Sycamore Hills Distribution Center Project

Draft Environmental Impact Report (DEIR)

Appendix C –Air Quality Analysis, Health Risk Assessment, Construction Health Risk Assessment Memorandum

Air Quality Analysis for the Sycamore Hills Distribution Project Riverside, California

Prepared for
Ruth Villalobos & Associates, Inc.
3602 Inland Empire Boulevard, Suite C310
Ontario, CA 91764

Prepared by
RECON Environmental, Inc.
3111 Camino del Rio North, Suite 600
San Diego, CA 92108
P 619.308.9333

RECON Number 9309
October 2, 2020

Jessica Fleming, Air Quality Analyst

TABLE OF CONTENTS

Acronyms and Abbreviations ..... **iii**

Executive Summary **1**

1.0 Introduction **2**

2.0 Project Description **3**

3.0 Regulatory Framework **7**

3.1 Federal Regulations 7
3.2 State Regulations 10
3.3 Regional Regulations 12

4.0 Environmental Setting **14**

4.1 Site Conditions 14
4.2 Regional Setting and Climate 14
4.3 Existing Air Quality 15
4.4 Health Effects 15

5.0 Significance Criteria **19**

5.1 General Conformity Rule 19
5.2 Regional Significance Thresholds 20
5.3 Localized Significance Thresholds 20

6.0 Air Quality Calculations **21**

6.1 Construction Regional Emissions 21
6.2 Operational Regional Emissions 24
6.3 Localized Significance Thresholds 26
6.4 Impact Analysis 30

7.0 Conclusions **36**

8.0 References Cited **36**

FIGURES

1: Regional Location 4
2: Project Location on Aerial Photograph 5
3: Site Plan 6

TABLE OF CONTENTS (cont.)

TABLES

1: Ambient Air Quality Standards 8
2: Summary of Air Quality Measurements Recorded at Rubidoux – Mission Boulevard Monitoring Station 16
3: General Conformity De Minimis Limits 19
4: SCAQMD Air Quality Significance Thresholds – Mass Daily Thresholds 20
5: Construction Phases and Equipment 23
6: Total Annual Construction Emissions Comparison to General Conformity De Minimis Levels 23
7: Maximum Daily Construction Emissions Comparison to SCAQMD Significance Thresholds 24
8: Project Trip Generation and Trip Length 25
9: Summary of Project Operational Emissions (pounds per day) 26
10: Maximum Disturbed Acres 27
11: Localized Construction Emissions 27
12: Localized Operational Emissions 29

ATTACHMENTS

1: CalEEMod Output Files
2: EMFAC2017 and AERMOD Data

Acronyms and Abbreviations

°F	degrees Fahrenheit
2016 AQMP	South Coast Air Quality Management District's 2016 Air Quality Management Plan
AAQS	Ambient Air Quality Standards
AB	Assembly Bill
APN	Assessor's Parcel Number
AQMP	Air Quality Management Plan
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
City	City of Riverside
CO	carbon monoxide
CO Protocol	Carbon Monoxide Protocol
CO_2	carbon dioxide
EMFAC2014	2014 Emission Factor model
EMFAC2017	2017 Emission Factor model
LOS	Level of Service
LST	Localized Significance Threshold
MATES	Multiple Air Toxics Exposure Study
NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act
NO_2	nitrogen dioxide
NO_X	oxides of nitrogen
Pb	lead
PM_{10}	particulate matter less than 10 microns in diameter
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter
project	Sycamore Hills Distribution Project
ROG	reactive organic gases
SCAQMD	South Coast Air Quality Management District
SIP	State Implementation Plan
SO_2	sulfur dioxide
SOx	oxides of sulfur
TAC	toxic air contaminant
U.S. EPA	U.S. Environmental Protection Agency
USC	United States Code
VOC	volatile organic compounds
WRCOG	Western Riverside Council of Governments

Executive Summary

This report evaluates potential local and regional air quality impacts associated with the proposed Sycamore Hills Distribution Center project (project) in city of Riverside, California, north of Alessandro Boulevard and east of Barton Street (Assessor Parcel Numbers 263-060-022, 263-060-024, 263-060-026). The project proposes subdividing the site into two parcels (Parcels 1 and 2), and three lettered parcels (Parcels A, B, and C). Each parcel is proposed to be developed with a high-cube transload short-term warehouse building (Buildings A and B). Building A, a 400,000-square-foot warehouse, would be constructed on Parcel 1. Building B, a 203,100-square-foot warehouse, would be constructed on Parcel 2. Associated improvements include parking, fire lanes, fencing and walls (including retaining walls), landscaping, and water quality treatment areas. Parcels A and Parcel B consist of existing Restricted Property of natural land. Parcel C would include a trailhead parking lot for access to the Sycamore Canyon Wilderness Park.

This analysis evaluates the significance of the proposed project in accordance with National Environmental Policy Act, the California Environmental Quality Act, and guidance from the South Coast Air Quality Management District (SCAQMD). The project was evaluated to determine if it would (1) be inconsistent with the applicable air quality plan, (2) result in cumulative impacts to air quality, (3) impact sensitive receptors, or (4) expose a substantial number of people to objectionable odors.

The SCAQMD prepared the 2016 Air Quality Management Plan (AQMP), which represents its contribution to the State Implementation Plan, to outline the district's strategy for achieving attainment of federal and state Ambient Air Quality Standards (AAQS). The 2016 AQMP provides an overview of air quality and sources of air pollution, and identifies the pollution-control measures needed to meet clean air standards. The project would be consistent with the land use and zoning designations and would support the development goals of the Sycamore Canyon Business Park Specific Plan. The project would also be consistent with the growth assumptions of the 2016 AQMP. Additionally, the project would not result in an air quality violation. Therefore, the project would not conflict with or obstruct the implementation of the 2016 AQMP or applicable portions of the State Implementation Plan (SIP).

Implementation of the project would result in air quality emissions associated with the construction and operation of the project. As calculated in this analysis, project construction and operation would not exceed the SCAQMD's thresholds of significance. Therefore, as project construction and operation emissions would be below these limits, project construction and operation would not result in regional emissions that would exceed the National AAQS (NAAQS) or California AAQS (CAAQS) or contribute to existing violations. Therefore, the project would result in a less than significant impact.

Project construction and operational emissions would not exceed the SCAQMD's Localized Significance Thresholds. Thus, the project would not result in localized emissions that

exceed the NAAQS or CAAQS or expose nearby sensitive receptors to unhealthy pollutant concentrations. The project would result in a less than significant local air quality impact.

The potential for an odor impact is dependent on a number of variables including the nature of the odor source, distance between the receptor and odor source, and local meteorological conditions. During construction, potential odor sources associated with the project include diesel exhaust associated with construction equipment. Diesel exhaust may be noticeable; however, construction activities would be temporary, and would dissipate without affecting a substantial number of people. The project does not include a use that is anticipated to generate substantial odors. Impacts would be less than significant.

1.0 Introduction

This report evaluates the significance of air quality impacts associated with the proposed Sycamore Hills Distribution Center project (project). This report characterizes existing conditions at the project site and in the region, identifies applicable rules and regulations, and assesses impacts to air quality from construction and operation of the proposed project. The significance of potential air quality impacts is assessed based on the air quality thresholds defined by the regional air quality management district, the South Coast Air Quality Management District (SCAQMD).

Air pollution affects all southern Californians. Effects can include increased respiratory infections, increased discomfort, missed days from work and school, and increased mortality. Polluted air also damages agriculture and our natural environment.

The state of California is divided geographically into 15 air basins for managing the air resources of the state on a regional basis. Areas within each air basin are considered to share the same air masses and, therefore, are expected to have similar ambient air quality. The project site is located within the South Coast Air Basin. The project area portion of the South Coast Air Basin is currently classified as a federal non-attainment area for ozone (O_3) and particulate matter less than 2.5 microns ($PM_{2.5}$), and a state non-attainment area for ozone, particulate matter less than 10 microns (PM_{10}), and $PM_{2.5}$.

Air quality impacts can result from the construction and operation of the project. Construction impacts are short term and result from fugitive dust, equipment exhaust, and indirect effects associated with construction workers and deliveries. Operational impacts can occur on two levels: regional impacts resulting from growth-inducing development, or local hot-spot effects stemming from sensitive receivers being placed close to highly congested roadways. In the case of this project, operational impacts would be primarily due to emissions to the South Coast Air Basin from mobile sources associated with vehicular travel along the roadways within the project area.

The analysis of impacts is based on federal and state Ambient Air Quality Standards (AAQS) and is assessed in accordance with the guidelines, policies, and standards established by the City of Riverside (City) and the SCAQMD. Project

compatibility with the adopted air quality plan for the area is also assessed. Measures are recommended, as required, to reduce potentially significant impacts.

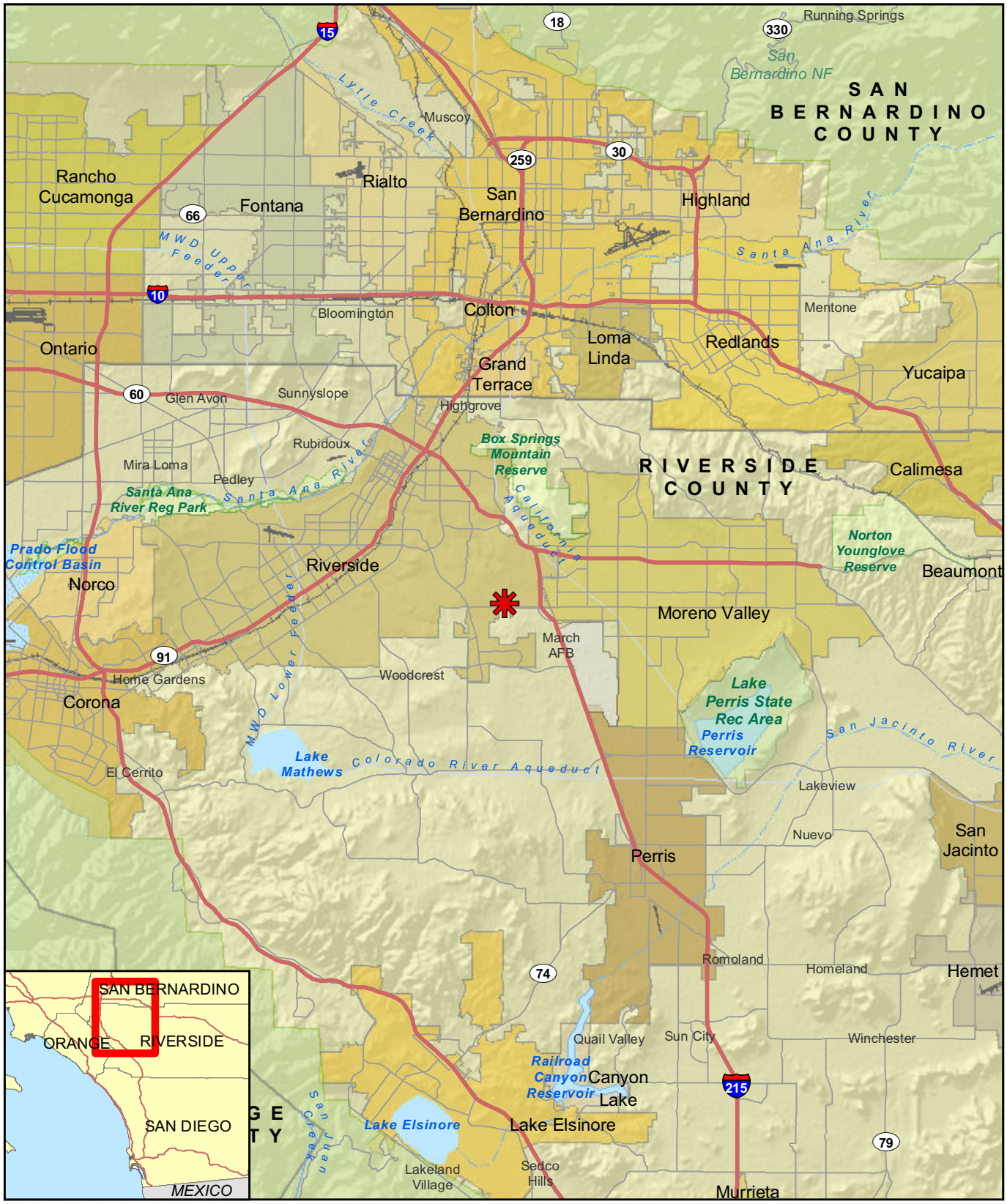
2.0 Project Description

The proposed project is to construct an industrial warehouse development on three parcels (Assessor Parcel Numbers 263-060-022, 263-060-024, 263-060-026), totaling 48.64 gross acres. The property is located at the northeast corner of Barton Street and Alessandro Boulevard in the City of Riverside, immediately south of the Sycamore Canyon Wilderness Park. The property is spread in an east to west direction with natural rolling land descending gradually from a west to east direction. There are two jurisdictional drainages on the site. The undeveloped parcels are covered with a low to moderate growth of vegetation cover consisting of natural grasses and weeds with some granitic rock outcrops. Figure 1 shows the regional location. Figure 2 shows an aerial photograph of the project site and vicinity.

The project proposes subdividing the site into two parcels (Parcels 1 and 2), and three lettered parcels (Parcels A, B, and C). Each parcel is proposed to be developed with a high cube transload short-term warehouse building (Buildings A and B). Building A, a 400,000-squarefoot warehouse, would be constructed on Parcel 1. Building B, a 203,100-square-foot warehouse, would be constructed on Parcel 2. Associated improvements include parking, fire lanes, fencing and walls (including retaining walls), landscaping, and water quality treatment areas.

Parcels A and Parcel B consist of existing Restricted Property of natural land, with a supporting jurisdictional feature, totaling approximately 11.6 acres. A 0.67-acre driveway would be constructed through the Restricted Property to provide street access from Alessandro Boulevard to Parcel 1, which would reduce the Restricted Property to 10.93 acres. However, 1.44 acres would be added to Parcel A to mitigate this loss, resulting in a total of 12.37 acres of Restricted Property (net gain of 0.77 acre). A Conservation Easement is proposed to be placed over the amended 12.37 acres of Restricted Property.

A trailhead parking lot is proposed on Parcel C, totaling 1.18 acres, for access to the Sycamore Canyon Wilderness Park. Improvements include a parking lot, sidewalk, shade structure, bike rack, drinking fountain, fencing, and a Fire Department and access gate. Parcel C will be dedicated to the City. Figure 3 shows the site plan.



Project Location

FIGURE 1

Regional Location

RECON

M:\JOBS5\9309\common_gis\fig1.mxd 12/17/2018 fmm

Image Source: Nearmap (flown September 2018)

Project Boundary

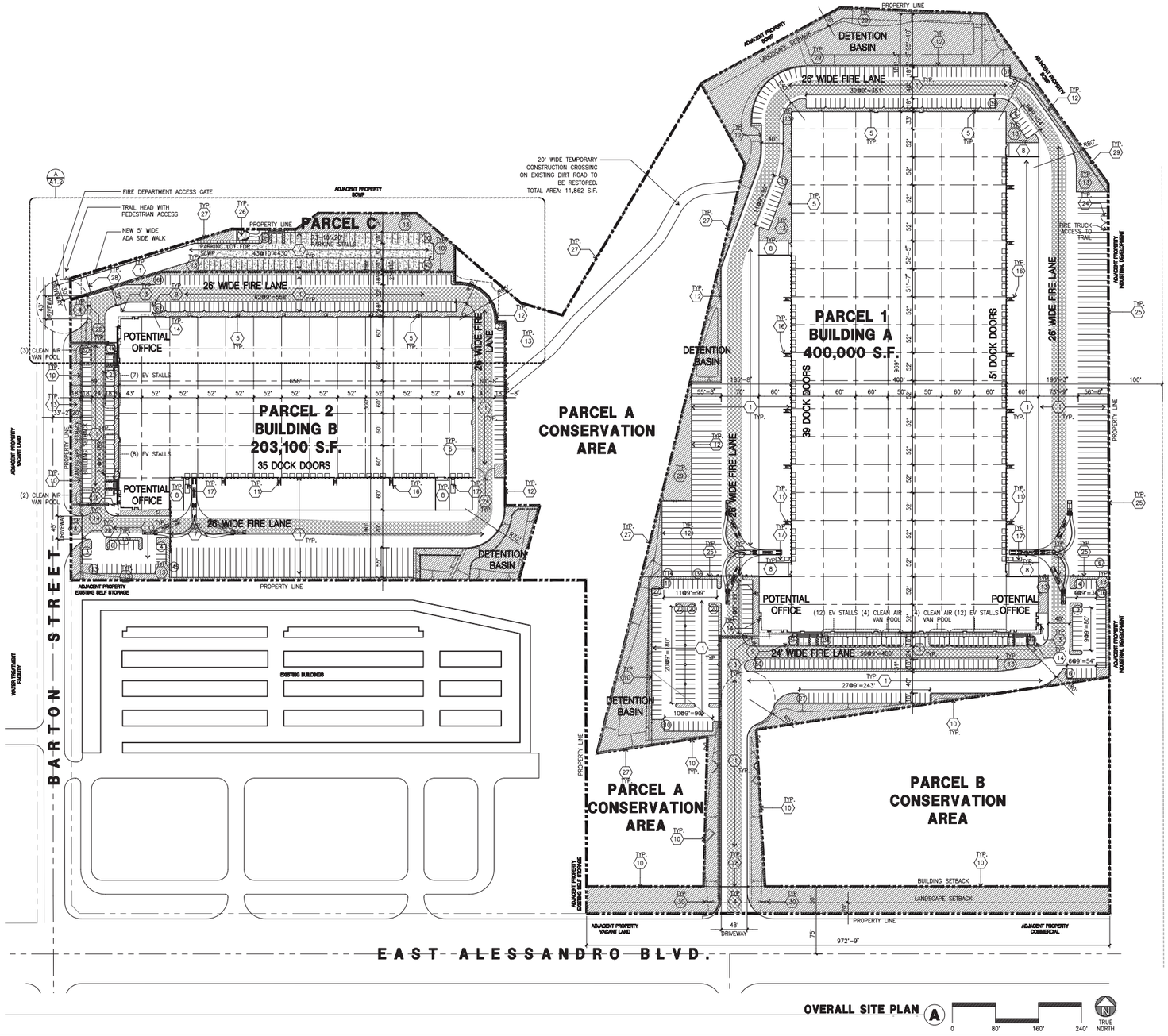
FIGURE 2

Project Location on Aerial Photograph

RECON

M:\JOBS5\9309\common_gis\fig2.mxd 12/17/2018 fmm

Map Source: HPA Architecture



RECON

M:\JOBS5\9309\nos\graphics\fig3.ai 12/09/19 fmm

FIGURE 3
Site Plan

3.0 Regulatory Framework

3.1 Federal Regulations

3.1.1 Ambient Air Quality Standards

AAQS represent the maximum levels of background pollution considered safe, with an adequate margin of safety, to protect the public health and welfare. The federal Clean Air Act (CAA) was enacted in 1970 and amended in 1977 and 1990 [42 United States Code (USC) 7401] for the purposes of protecting and enhancing the quality of the nation's air resources to benefit public health, welfare, and productivity. In 1971, in order to achieve the purposes of Section 109 of the CAA [42 USC 7409], the U.S. Environmental Protection Agency (U.S. EPA) developed primary and secondary National Ambient Air Quality Standards (NAAQS).

Six criteria pollutants of primary concern have been designated: ozone, carbon monoxide (CO), sulfur dioxide (SO_2), nitrogen dioxide (NO_2), lead (Pb), and respirable particulate matter (PM_{10} and $PM_{2.5}$). The primary NAAQS ". . . in the judgment of the Administrator, based on such criteria and allowing an adequate margin of safety, are requisite to protect the public health . . . " and the secondary standards ". . . protect the public welfare from any known or anticipated adverse effects associated with the presence of such air pollutant in the ambient air" [42 USC 7409(b)(2)]. The primary NAAQS were established, with a margin of safety, considering long-term exposure for the most sensitive groups in the general population (i.e., children, senior citizens, and people with breathing difficulties). The NAAQS are presented in Table 1 (California Air Resources Board [CARB] 2016).

An air basin is designated as either attainment or non-attainment for a particular pollutant. Once a non-attainment area has achieved the AAQS for a particular pollutant, it is re-designated as an attainment area for that pollutant. To be redesignated, the area must meet air quality standards for three consecutive years. After re-designation to attainment, the area is known as a maintenance area and must develop a 10-year plan for continuing to meet and maintain air quality standards, as well as satisfy other requirements of the federal CAA. The project area of the South Coast Air Basin is a non-attainment area for the federal ozone and $PM_{2.5}$ standards.

Table 1
Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[1]		National Standards[2]		
		Concentration[3]	Method[4]	Primary[3,5]	Secondary[3,6]	Method[7]
Ozone[8]	1 Hour	0.09 ppm (180 µg/m³)	Ultraviolet Photometry	–	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.07 ppm (137 µg/m³)		0.070 ppm (137 µg/m³)		
Respirable Particulate Matter (PM_{10})[9]	24 Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		–		
Fine Particulate Matter ($PM_{2.5}$)[9]	24 Hour	No Separate State Standard		35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12 µg/m³	15 µg/m³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m³)	Non-dispersive Infrared Photometry	35 ppm (40 mg/m³)	–	Non-dispersive Infrared Photometry
	8 Hour	9.0 ppm (10 mg/m³)		9 ppm (10 mg/m³)	–	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m³)		–	–	
Nitrogen Dioxide (NO_2)[10]	1 Hour	0.18 ppm (339 µg/m³)	Gas Phase Chemi-luminescence	100 ppb (188 µg/m³)	–	Gas Phase Chemi-luminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m³)		0.053 ppm (100 µg/m³)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[11]	1 Hour	0.25 ppm (655 µg/m³)	Ultraviolet Fluorescence	75 ppb (196 µg/m³)	–	Ultraviolet Fluorescence; Spectro-photometry (Pararosaniline Method)
	3 Hour	–		–	0.5 ppm (1,300 µg/m³)	
	24 Hour	0.04 ppm (105 µg/m³)		0.14 ppm (for certain areas)[11]	–	
	Annual Arithmetic Mean	–		0.030 ppm (for certain areas)[11]	–	
Lead[12,13]	30 Day Average	1.5 µg/m³	Atomic Absorption	–	–	High Volume Sampler and Atomic Absorption
	Calendar Quarter	–		1.5 µg/m³ (for certain areas)[12]	Same as Primary Standard	
	Rolling 3-Month Average	–		0.15 µg/m³		
Visibility Reducing Particles[14]	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m³	Ion Chroma-tography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m³)	Gas Chroma-tography			

See footnotes on next page.

Table 1
Ambient Air Quality Standards

ppm = parts per million; ppb = parts per billion; μg/m³ = micrograms per cubic meter; – = not applicable.

[1] California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, particulate matter (PM_{10}, $PM_{2.5}$, 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 PM_{10}, 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 $PM_{2.5}$, 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 Air Resources Board 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 October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

[9] On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 μg/m³ to 12.0 μg/m³. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 μg/m³, as was the annual secondary standards of 15 μg/m³. The existing 24-hour PM_{10} standards (primary and secondary) of 150 μg/m³ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

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

[11] On June 2, 2010, a new 1-hour SO_2 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 SO_2 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 non-attainment 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 ppb. California standards are in units of 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.

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

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

[14] In 1989, the 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.

SOURCE: CARB 2016.

3.1.2 General Conformity Rule

The General Conformity Rule requires that federal agencies demonstrate that actions would conform to the applicable State Implementation Plan (SIP), by either determining that the action is exempt from the General Conformity Rule requirements or subject to a formal conformity determination. This requires analysis of the total direct and indirect emissions of criteria pollutants and their precursors for which an area is designated non-attainment or covered by a maintenance plan. The total direct and indirect emissions are the net emission increases in the non-attainment or maintenance area caused by the action. The emissions must be reasonably foreseeable at the time the conformity determination is made. For indirect emissions, the federal agency also must be able to practicably control the emissions based upon the agency's continuing program responsibility. If the emissions resulting from an action would not exceed applicable General Conformity *de minimis* levels, then the action would conform to the applicable SIP and no further analysis would be required. If emissions resulting from an action would exceed applicable General Conformity *de minimis* levels, then a formal Air Quality Conformity Analysis would be required.

3.2 State Regulations

3.2.1 Criteria Pollutants

The CARB has developed the California Ambient Air Quality Standards (CAAQS) and generally has set more stringent limits on the criteria pollutants than the NAAQS (see Table 1). In addition to the federal criteria pollutants, the CAAQS also specify standards for visibility-reducing particles, sulfates, hydrogen sulfide, and vinyl chloride (see Table 1).

Similar to the federal CAA, the state classifies as either "attainment" or "non-attainment" areas for each pollutant based on the comparison of measured data with the CAAQS. The project area of the South Coast Air Basin is a non-attainment area for the state ozone, PM_{10}, and $PM_{2.5}$ standards.

3.2.2 Toxic Air Contaminants

The public's exposure to toxic air contaminants (TACs) is a significant public health issue in California. Diesel-exhaust particulate matter emissions have been established as TACs. In 1983, the California Legislature enacted a program to identify the health effects of TACs and to reduce exposure to these contaminants to protect the public health (Assembly Bill [AB] 1807: Health and Safety Code Sections 39650–39674). The Legislature established a two-step process to address the potential health effects from TACs. The first step is the risk assessment (or identification) phase. The second step is the risk management (or control) phase of the process.

The California Air Toxics Program establishes the process for the identification and control of TACs and includes provisions to make the public aware of significant toxic exposures and for reducing risk. Additionally, the Air Toxics "Hot Spots" Information and Assessment Act

(AB 2588, 1987, Connelly Bill) was enacted in 1987 and requires stationary sources to report the types and quantities of certain substances routinely released into the air.

The goals of the Air Toxics "Hot Spots" Act are to collect emission data, to identify facilities having localized impacts, to ascertain health risks, to notify nearby residents of significant risks, and to reduce those significant risks to acceptable levels.

The Children's Environmental Health Protection Act, California Senate Bill 25 (Chapter 731, Escutia, Statutes of 1999), focuses on children's exposure to air pollutants. The act requires CARB to review its air quality standards from a children's health perspective, evaluate the statewide air monitoring network, and develop any additional air toxic control measures needed to protect children's health. Locally, toxic air pollutants are regulated by the SCAQMD through Regulation XIV. Of particular concern statewide are diesel-exhaust particulate matter emissions. Diesel-exhaust particulate matter was established as a TAC in 1998, and is estimated to represent a majority of the cancer risk from TACs statewide (based on the statewide average). Diesel exhaust is a complex mixture of gases, vapors, and fine particles. This complexity makes the evaluation of health effects of diesel exhaust a complex scientific issue. Some of the chemicals in diesel exhaust, such as benzene and formaldehyde, have been previously identified as TACs by the CARB and are listed as carcinogens either under the state's Proposition 65 or under the federal Hazardous Air Pollutants program.

Following the identification of diesel particulate matter (DPM) as a TAC in 1998, CARB has worked on developing strategies and regulations aimed at reducing the risk from DPM. The overall strategy for achieving these reductions is found in the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles* (CARB 2000). A stated goal of the plan is to reduce the statewide cancer risk arising from exposure to DPM by 85 percent by 2020.

In April 2005, CARB published the *Air Quality and Land Use Handbook: A Community Health Perspective* (CARB 2005). The handbook makes recommendations directed at protecting sensitive land uses from air pollutant emissions while balancing a myriad of other land use issues (e.g., housing, transportation needs, economics, etc.). It notes that the handbook is not regulatory or binding on local agencies and recognizes that application takes a qualitative approach. As reflected in the CARB Handbook, there is currently no adopted standard for the significance of health effects from mobile sources. Therefore, the CARB has provided guidelines for the siting of land uses near heavily traveled roadways. Of pertinence to this study, the CARB guidelines indicate that siting new sensitive land uses within 500 feet of a freeway or urban roads with 100,000 or more vehicles/day should be avoided when possible.

As an ongoing process, CARB will continue to establish new programs and regulations for the control of diesel particulate and other air-toxics emissions as appropriate. The continued development and implementation of these programs and policies will ensure that the public's exposure to DPM will continue to decline.

3.2.3 State Implementation Plan

The State Implementation Plan (SIP) is a collection of documents that set forth the state's strategies for achieving the NAAQS. In California, the SIP is a compilation of new and previously submitted plans, programs (such as air quality management plans, monitoring, modeling, permitting, etc.), district rules, state regulations, and federal controls. The CARB is the lead agency for all purposes related to the SIP under state law. Local air districts and other agencies, such as the Department of Pesticide Regulation and the Bureau of Automotive Repair, prepare SIP elements and submit them to CARB for review and approval. The CARB then forwards SIP revisions to the U.S. EPA for approval and publication in the Federal Register. All of the items included in the California SIP are listed in the Code of Federal Regulations (CFR) at 40 CFR 52.220.

3.2.4 The California Environmental Quality Act

Section 15125(d) of the California Environmental Quality Act (CEQA) Guidelines requires discussion of any inconsistencies between the project and applicable general plans and regional plans, including the applicable air quality attainment or maintenance plan (or SIP).

3.3 Regional Regulations

3.3.1 South Coast Air Quality Management District

The SCAQMD is the air pollution control agency in the Basin. The role of the local SCAQMD is to protect the people and the environment of the Basin from the effects of air pollution. SCAQMD shares responsibility with CARB for ensuring that NAAQS and CAAQS are achieved and maintained within the South Coast Air Basin. As the SCAQMD is designated as a nonattainment area for state air quality standards for 8-hour ozone, PM_{10}, and $PM_{2.5}$, SCAQMD periodically prepares air quality management plans (AQMPs) outlining measures to reduce these pollutants. The most recent AQMP is the *2016 Air Quality Management Plan* (2016 AQMP).

3.3.2 SCAQMD Amicus Brief

A recent Supreme Court of California decision, *Sierra Club v. County of Fresno* (2019) 6 Cal.5th 502 ("Friant Ranch "; California Supreme Court 2019), found that the EIR prepared for the Friant Ranch Specific Plan was inadequate because it did not relate the expected adverse air quality impacts to likely health consequences, or explain why it is not feasible to provide such an analysis. In response, the SCAQMD has provided amicus briefs explaining the difficulties in providing correlation between regional pollutant emissions and human health. Since the project would result in emissions of criteria pollutants, the California Supreme Court decision and the SCAQMD's amicus briefs are relevant to the project.

The California Supreme Court conceded that an explanation of the connection between an individual project's pollutant emissions in excess of thresholds and human health effects may not be possible given the current state of environmental science modeling. However, the California Supreme Court concluded that the Friant Ranch Project EIR itself must explain, in a manner reasonably calculated to inform the public, the scope of what is and is not yet known about the effect of the project's significant and unavoidable air quality impacts on human health. The specific language provided by the Court is provided below.

> The EIR fails to provide an adequate discussion of health and safety problems that will be caused by the rise in various pollutants resulting from the Project's development. At this point, we cannot know whether the required additional analysis will disclose that the Project's effects on air quality are less than significant or unavoidable, or whether that analysis will require reassessment of proposed mitigation measures. Absent an analysis that reasonably informs the public how anticipated air quality effects will adversely affect human health, an EIR may still be sufficient if it adequately explains why it is not scientifically feasible at the time of drafting to provide such an analysis.

With regard to the analysis of air quality-related health impacts, the SCAQMD has stated that "EIRs must generally quantify a project's pollutant emissions, but in some cases it is not feasible to correlate these emissions to specific, quantifiable health impacts (e.g., premature mortality; hospital admissions)." In such cases, a general description of the adverse health impacts resulting from the pollutants at issue may be sufficient.

The SCAQMD has further stated that from a scientific standpoint, it takes a large amount of additional precursor emissions to cause a modeled increase in ambient ozone levels over an entire region. SCAQMD further acknowledges that it may be feasible to analyze air quality related health impacts for projects on a regional scale with very high emissions of oxides of nitrogen (NOx) and volatile organic compounds (VOCs), where impacts are regional. The example SCAQMD provided was for proposed Rule 1315, which authorized various newly permitted sources to use offsets from the SCAQMD's "internal bank" of emission reductions. The CEQA analysis accounted for essentially all of the increases in emissions due to new or modified sources in the District between 2010 and 2030, or approximately 6,620 pounds per day of NOx and 89,947 pounds per day of VOC, to expected health outcomes from ozone and particulate matter (e.g., 20 premature deaths per year and 89,947 school absences in the year 2030 due to ozone).

3.3.3 Multiple Air Toxics Exposure Study

The Multiple Air Toxics Exposure Study (MATES) is a monitoring and evaluation study conducted in the South Coast Air Basin. The MATES IV study, which is a an update of previous studies, includes a fixed site monitoring program with 10 stations, an inventory of TACs, and a modeling effort to characterize risk across the South Coast Air Basin. The purpose of the MATES IV fixed site monitoring is to characterize long-term regional air toxics levels in residential and commercial areas. MATES IV predicts that the excess cancer

risk for the project area is 754.23 in a million (SCAQMD 2015). The MATES IV study represents the baseline health risk for a cumulative analysis. The MATES V update is currently being conducted (SCAQMD 2017).

4.0 Environmental Setting

4.1 Site Conditions

The project site is currently undeveloped. A storage facility is located at the southwest project boundary, a water treatment plant is located to the west, the Alessandro Business Center is located to the east, and retail/commercial uses are located to the south. The Sycamore Canyon Wilderness Park is located directly north of the project site. The Sycamore Canyon Wilderness Park is approximately 1,500 acres of open space containing vital biological resources and wildlife habitat areas, including rare local species. Multi-family land uses are located southwest of the project site, and single-family uses are located south of the retail/commercial uses south of the project site. These single-family uses are within the jurisdiction of the County of Riverside.

4.2 Regional Setting and Climate

The project site is located approximately 37 miles northeast of the Pacific Ocean in the city of Riverside in northwestern Riverside County. Air quality in the County is influenced by both topographical and meteorological conditions. The project site is located in western Riverside County between the Santa Ana Mountains and the San Jacinto Mountains.

The project area, like other inland valley areas in southern California, has a Mediterranean climate characterized by warm, dry summers and mild, wet winters. The March Field climate monitoring station (ID 045326) is approximately 2.5 miles southeast of the project site and the Riverside Fire Station 3 climate monitoring station (ID 047470) is approximately 5 miles northwest of the project site. Based on measurements taken at these climate monitoring stations, the average annual precipitation is 8 to 10 inches, falling primarily from November to April (Western Regional Climate Center 2018). Annual temperatures in the project area average about 64 degrees Fahrenheit (°F), winter low temperatures average about 40°F, and summer high temperatures average about 92°F.

The dominant meteorological feature affecting the region is the Pacific High Pressure Zone, which produces the prevailing westerly to northwesterly winds. These winds tend to blow pollutants away from the coast toward the inland areas. Consequently, air quality near the coast is generally better than that which occurs at the base of the coastal mountain range.

The prevailing westerly wind pattern is sometimes interrupted by regional “Santa Ana” conditions. A Santa Ana occurs when a strong high pressure develops over the Nevada–Utah area and overcomes the prevailing westerly coastal winds, sending strong, steady, hot, dry northeasterly winds over the mountains and out to sea.

4.3 Existing Air Quality

As discussed, the State of California is divided geographically into 15 air basins for managing the air resources of the state on a regional basis. The project is located in the South Coast Air Basin. The South Coast Air Basin includes Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino counties. The Basin is designated as in attainment or unclassifiable attainment (expected to be meeting the standard despite a lack of monitoring data) for all federal air quality standards except 8-hour ozone and $PM_{2.5}$ standards. The South Coast Air Basin is designated as in nonattainment for state air quality standards for 8-hour ozone and $PM_{2.5}$, and additionally is in nonattainment of state PM_{10} standards.

Air quality is commonly expressed as the number of days in which air pollution levels exceed state standards set by CARB or federal standards set by the U.S. EPA. The SCAQMD maintains 41 active air quality monitoring sites located throughout the South Coast Air Basin including eight active sites in Riverside County. Air pollutant concentrations and meteorological information are continuously recorded at these stations. Measurements are then used by scientists to help forecast daily air pollution levels.

The Rubidoux–Mission Boulevard monitoring station, located at 5888 Mission Boulevard approximately 8 miles northwest of the project site, is the nearest monitoring station. The Rubidoux–Mission Boulevard monitoring station measures ozone, NO_2, PM_{10}, and $PM_{2.5}$. Table 2 provides a summary of measurements collected at the monitoring station for the years 2014 through 2018.

4.4 Health Effects

4.4.1 Ozone

Ozone is the primary component of smog. Ozone is not directly emitted into the air but is formed through complex chemical reactions between precursor emissions of NO_X and ROG in the presence of sunlight. The adverse health effects associated with exposure to ozone pertain primarily to the respiratory system. Scientific evidence indicates that ambient levels of ozone affect not only sensitive receptors, such as asthma sufferers and children, but healthy adults as well. Exposure to ozone has been found to significantly alter lung functions by increasing respiratory rates and pulmonary resistance, decreasing tidal volumes (the amount of air inhaled and exhaled), and impairing respiratory mechanics. Symptomatic responses include such symptoms as throat dryness, chest tightness, headache, and nausea. About half of smog-forming emissions come from automobiles.

Table 2
Summary of Air Quality Measurements Recorded at Rubidoux – Mission Boulevard Monitoring Station

Pollutant/Standard	2014	2015	2016	2017	2018
Ozone					
Days State 1-hour Standard Exceeded (0.09 ppm)	29	31	33	47	22
Days State 8-hour Standard Exceeded (0.07 ppm)	69	59	71	82	57
Days 2015 Federal 8-hour Standard Exceeded (0.07 ppm)	66	55	69	81	53
Days 2008 Federal 8-hour Standard Exceeded (0.075 ppm)	41	39	47	58	34
Max. 1-hr (ppm)	0.141	0.132	0.142	0.145	0.123
Max 8-hr (ppm)	0.104	0.105	0.104	0.118	0.101
NO_2					
Days State 1-hour Standard Exceeded (0.18 ppm)	0	0	0	0	0
Days Federal 1-hour Standard Exceeded (0.100 ppm)	0	0	0	0	0
Max 1-hr (ppm)	0.0599	0.0574	0.0731	0.0630	0.554
Annual Average (ppm)	0.015	0.014	0.014	0.014	0.014
CO					
Days State 1-hour Standard Exceeded (20 ppm)	0	0	0	Na	Na
Days State 8-hour Standard Exceeded (9.0 ppm)	0	0	0	Na	Na
Days Federal 1-hour Standard Exceeded (35 ppm)	0	0	0	Na	Na
Days Federal 8-hour Standard Exceeded (9.0 ppm)	0	0	0	Na	Na
Max. 1-hour (ppm)	2.0	2.5	1.7	Na	Na
Max. 8-hour (ppm)	1.9	1.7	1.3	Na	Na
PM_{10}*					
State Max. Daily ($\mu g/m^3$)	122.7	107.4	170.5	137.6	126.0
Measured Days State 24-hour Standard Exceeded (50 $\mu g/m^3$)	119	87	60	98	127
Calculated Days State 24-hour Standard Exceeded (50 $\mu g/m^3$)	124.7	92.2	Na	102.5	133.6
State Annual Average ($\mu g/m^3$)	44.8	40.0	Na	41.3	43.9
Federal Max. Daily ($\mu g/m^3$)	100.0	69.0	84.0	92.0	86.5
Measured Days Federal 24-hour Standard Exceeded (150 $\mu g/m^3$)	0	0	0	0	0
Calculated Days Federal 24-hour Standard Exceeded (150 $\mu g/m^3$)	0.0	0.0	0.0	0.0	0.0
Federal Annual Average ($\mu g/m^3$)	36.3	32.2	38.1	39.0	35.4
$PM_{2.5}$*					
State Max. Daily ($\mu g/m^3$)	50.6	61.1	60.8	50.3	68.3
State Annual Average ($\mu g/m^3$)	16.8	15.3	12.6	14.5	12.6
Federal Max. Daily ($\mu g/m^3$)	48.9	54.7	51.5	50.3	66.3
Federal Annual Average ($\mu g/m^3$)	Na	11.8	12.5	12.2	12.5
Measured Days Federal 24-hour Standard Exceeded (35 $\mu g/m^3$)	5	9	5	7	3
Calculated Days Federal 24-hour Standard Exceeded (35 $\mu g/m^3$)	Na	10.3	5.1	7.2	3.1

SOURCE: CARB 2020, SCAQMD 2018.
ppm = parts per million; $\mu g/m^3$ = micrograms per cubic meter; Na = Not available.
* Calculated days value. Calculated days are the estimated number of days that a measurement would have been greater than the level of the standard had measurements been collected every day. The number of days above the standard is not necessarily the number of violations of the standard for the year.

4.4.2 Carbon Monoxide

Carbon monoxide is a colorless, odorless gas that is formed when carbon in fuel is not burned completely. CO enters the bloodstream through the lungs by combining with hemoglobin, which normally supplies oxygen to the cells. However, CO combines with hemoglobin much more readily than oxygen does, resulting in a drastic reduction in the amount of oxygen available to the cells. Adverse health effects associated with exposure to CO concentrations include such symptoms as dizziness, headaches, and fatigue. CO exposure is especially harmful to individuals who suffer from cardiovascular and respiratory diseases (U.S. EPA 2016).

4.4.3 Nitrogen Dioxide

Nitrogen dioxide is a brownish, highly reactive gas that is present in all urban environments. The major human-made sources of NO_2 are combustion devices, such as boilers, gas turbines, and mobile and stationary reciprocating internal combustion engines. Inhalation is the most common route of exposure to NO_2. Because NO_2 has relatively low solubility in water, the principal site of toxicity is in the lower respiratory tract. The severity of the adverse health effects depends primarily on the concentration inhaled rather than the duration of exposure. An individual may experience a variety of acute symptoms, including coughing, difficulty with breathing, vomiting, headache, and eye irritation during or shortly after exposure. After a period of approximately 4 to 12 hours, an exposed individual may experience chemical pneumonitis or pulmonary edema with breathing abnormalities, cough, cyanosis, chest pain, and rapid heartbeat.

4.4.4 Sulfur Dioxide

Sulfur dioxide is a combustion product, with the primary source being power plants and heavy industries that use coal or oil as fuel. SO_2 is also a product of diesel engine combustion. The health effects of SO_2 include lung disease and breathing problems for people with asthma. SO_2 in the atmosphere contributes to the formation of acid rain.

4.4.5 Particulate Matter

Particulate matter is a complex mixture of microscopic solid or liquid particles including chemicals, soot, and dust. Anthropogenic sources of direct particulate emissions include crushing or grinding operations, dust stirred up by vehicle traffic, and combustion sources such as motor vehicles, power plants, wood burning, forest fires, agricultural burning and industrial processes. Additionally, indirect emissions may be formed when aerosols react with compounds found in the atmosphere.

Health studies have shown a significant association between exposure to particulate matter and premature death in people with heart or lung diseases. Other important effects include aggravation of respiratory and cardiovascular disease, lung disease, decreased lung

function, asthma attacks, and certain cardiovascular problems such as heart attacks and irregular heartbeat (U.S. EPA 2016).

As its properties vary based on the size of suspended particles, particulate matter is generally categorized as particulate matter with an aerodynamic diameter of 10 microns or less (PM_{10}) or particulate matter with an aerodynamic diameter of 2.5 microns or less ($PM_{2.5}$).

PM_{10}, occasionally referred to as "inhalable coarse particles," has an aerodynamic diameter of about one-seventh of the diameter of a human hair. High concentrations of PM_{10} are often found near roadways, construction, mining, or agricultural operations.

$PM_{2.5}$, occasionally referred to as "inhalable fine particles," has an aerodynamic diameter of about one-thirtieth of the diameter of a human hair. $PM_{2.5}$ is the main cause of haze in many parts of the United States. Federal standards applicable to $PM_{2.5}$ were first adopted in 1997.

4.4.6 Lead

Lead is a stable compound that persists and accumulates both in the environment and in animals. Fetuses, infants, and children are more sensitive than others to the adverse effects of lead exposure. Exposure to low levels of lead can adversely affect the development and function of the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased lead levels are associated with increased blood pressure. Lead poisoning can cause anemia, lethargy, seizures, and death; although it appears that there are no direct effects of lead on the respiratory system.

The lead used prior to the late 1980s in gasoline anti-knock additives represented a major source of lead emissions to the atmosphere. The U.S. EPA began working to reduce lead emissions soon after its inception, issuing the first reduction standards in l973, which called for a gradual phase down of lead to one tenth of a gram per gallon by l986. The average lead content in gasoline in 1973 was 2 to 3 grams per gallon or about 200,000 tons of lead a year. In 1975, passenger cars and light trucks were manufactured with a more elaborate emission control system, which included a catalytic converter that required lead-free fuel. In l995, leaded fuel accounted for only 0.6 percent of total gasoline sales and less than 2,000 tons of lead per year. Effective January 1, 1996, the CAA banned the sale of the small amount of leaded fuel that was still available in some parts of the country for use in on-road vehicles. Environmental exposure to lead has significantly decreased due to the near elimination of the use of leaded gasoline; metal processing is currently the primary source of lead emissions.

5.0 Significance Criteria

The significance thresholds used in this analysis were based, in part, on the CAA requirements, Appendix G of the CEQA Guidelines as well as guidance from the SCAQMD for assessing air quality impacts. The following thresholds were used to determine significance of air quality impacts associated with the project. Adverse air quality impacts would occur if implementation of the project would:

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

5.1 General Conformity Rule

The project site is located within the South Coast Air Basin, which is a federal non-attainment area for 8-hour ozone and $PM_{2.5}$, as well as a maintenance area for CO and PM_{10}. Therefore, the General Conformity Rule is applicable to the project emissions of CO and ozone precursors (reactive organic gases [ROG] and NO_X). The General Conformity *de minimis* levels applicable to the South Coast Air Basin are shown in Table 3.

Table 3
General Conformity De Minimis Limits

Pollutant	Designation Category	Emissions (Tons/Year)
Ozone Precursors (VOC or NO_X)	Non-attainment (Extreme)	10
Carbon Monoxide (CO)	Attainment (Maintenance)	100
Particulate Matter (PM_{10})	Attainment (Maintenance)	100
Particulate Matter ($PM_{2.5}$)	Non-attainment (Serious)	70

SOURCES: 40 CFR 93.53(b)(1) and 40 CFR 93.53(b)(2)
VOC = volatile organic compound

As discussed in Section 3.1.2, the General Conformity Rule requires that federal agencies demonstrate that actions would conform to the applicable SIP. Therefore the first significance criteria, whether the project would obstruct or conflict with the implementation of the applicable air quality plan, is addressed by the assessment of General Conformity Rule compliance. The applicable General Conformity *de minimis* levels are established based on the attainment status of the project region. Therefore the second significance criteria, whether the project would result in a cumulatively considerable net increase of any

criteria pollutant for which the project region is a non-attainment area, is also addressed by the assessment of General Conformity Rule compliance.

5.2 Regional Significance Thresholds

This air quality analysis is prepared to support the project's CEQA compliance. The project also requires discretionary approval from United States Army Corps of Engineers; therefore, the project is also evaluated in accordance with National Environmental Policy Act (NEPA). As the project is located within the South Coast Air Basin, the appropriate CEQA and NEPA criteria are those for the SCAQMD. As discussed previously, the SCAQMD is the air pollution control agency responsible for protecting the people and the environment of the South Coast Air Basin from the effects of air pollution. Accordingly, the City evaluates project air quality emissions based on the quantitative emission thresholds originally established in the SCAQMD's *CEQA Air Quality Handbook* (SCAQMD 1993). SCAQMD's significance thresholds for impacts to regional air quality are shown in Table 4.

Table 4
SCAQMD Air Quality Significance Thresholds – Mass Daily Thresholds

Pollutant	Emissions (pounds)	
	Construction	Operational
Oxides of Nitrogen (NO_X)	100	55
Volatile Organic Compounds (VOC)	75	55
Coarse Particulate Matter (PM_{10})	150	150
Fine Particulate Matter ($PM_{2.5}$)	55	55
Oxides of Sulfur (SO_X)	150	150
Carbon Monoxide (CO)	550	550
Lead (Pb)*	3	3

SOURCE: SCAQMD Air Quality Significance Thresholds (SCAQMD 2019).

5.3 Localized Significance Thresholds

The SCAQMD's Final Localized Significance Threshold (LST) Methodology was developed as a tool to assist lead agencies to analyze localized air quality impacts to sensitive receptors in the vicinity of the project (SCAQMD 2008). The LST Methodology outlines how to analyze localized impacts from common pollutants of concern including NO_2, CO, PM_{10}, and $PM_{2.5}$. Localized air quality impacts would occur if pollutant concentrations at sensitive receptors exceeded applicable NAAQS or CAAQS.

LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses. The significance of localized emissions impacts depends on whether ambient levels in the vicinity of any given project are above or below State standards. In the case of CO and NO_2, if ambient levels are below the standards, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of these standards. If

ambient levels already exceed a state or federal standard, then project emissions are considered significant if they increase ambient concentrations by a measurable amount. This would apply to PM_{10} and $PM_{2.5}$, both of which are non-attainment pollutants.

6.0 Air Quality Calculations

Construction impacts are short term and result from fugitive dust, equipment exhaust, and indirect effects associated with construction workers and deliveries. Operational impacts can occur on two levels: regional or local. In the case of this project, operational impacts are primarily due to emissions from project-related mobile sources associated with vehicular travel along the roadways. Operational emissions also consist of area sources that are direct sources of emissions located at the project site.

Construction and operation air emissions were calculated using California Emissions Estimator Model (CalEEMod) 2016.3.2 (California Air Pollution Control Officers Association [CAPCOA] 2017). The CalEEMod program is a tool used to estimate air emissions resulting from land development projects based on California-specific emission factors. The model estimates mass emissions from two basics sources: construction sources and operational sources (i.e., area, energy, and mobile sources).

Inputs to CalEEMod include such items as the air basin containing the project, land uses, trip generation rates, trip lengths, vehicle fleet mix (percentage of autos, medium truck, etc.), trip destination (i.e., percent of trips from home to work, etc.), duration of construction phases, construction equipment usage, grading areas, season, and ambient temperature, as well as other parameters. The CalEEMod output files contained in Attachment 1 indicate the specific outputs for each model run. Emissions of NO_X, CO, SO_2, PM_{10}, $PM_{2.5}$, and ROG are calculated. Emission factors are not available for lead, and consequently, lead emissions are not calculated. The South Coast Air Basin is currently in attainment of the federal and state lead standards. Furthermore, fuel used in construction equipment and most other vehicles is not leaded.

6.1 Construction Regional Emissions

Construction-related activities are temporary, short-term sources of emissions. Sources of construction-related emissions include:

- Fugitive dust from grading activities;
- Construction equipment exhaust; and
- Construction-related trips by workers, delivery trucks, and material-hauling trucks.

Construction-related emissions include emissions from dust raised during grading, exhaust from construction vehicles, and chemicals used during construction. Fugitive dust emissions vary greatly during construction and are dependent on the amount and type of activity, silt content of the soil, and the weather. Vehicles moving over paved and unpaved surfaces, excavation, earth movement, grading, and wind erosion from exposed surfaces are all sources of fugitive dust. Construction operations are subject to the requirements established by the SCAQMD including Rule 403, Fugitive Dust. Rule 403 requires the use of best available control measures for fugitive dust. This analysis assumes that standard

dust and emission control during grading operations would be implemented to reduce potential nuisance impacts and to ensure compliance with SCAQMD Rule 403, which is estimated to result in a 61 percent reduction in fugitive dust.

Heavy-duty construction equipment is usually diesel powered. Standard construction equipment includes dozers, rollers, scrapers, dewatering pumps, backhoes, loaders, paving equipment, delivery/haul trucks, jacking equipment, welding machines, pile drivers, and so on. Specific construction phasing and equipment parameters are not available at this time. However, CalEEMod can estimate the required construction equipment when project-specific information is unavailable. The estimates are based on surveys, performed by the SCAQMD and the Sacramento Metropolitan Air Quality Management District, of typical construction projects that provide a basis for scaling equipment needs and schedule with a project's size. Air emission estimates in CalEEMod are based on the duration of construction phases; construction equipment type, quantity, and usage; grading area; season; and ambient temperature, among other parameters. Construction emissions were modeled assuming site preparation/grading would last three months, and the remaining construction activities (building, paving, landscaping, architectural coatings) would last approximately one year for a total construction duration of 15 months. During the grading phase, soil quantities would be balanced on-site between the two building areas with no net import or export.

Table 5 summarizes the anticipated construction phases, duration, and equipment for total project construction (Buildings A and B).

Table 6 shows the maximum annual project (Buildings A and B) construction emissions in tons per year and compares emissions to the General Conformity *de minimis* levels. Table 7 shows the total projected (Buildings A and B) construction maximum daily emission levels for each criteria pollutant and compares emissions to the SCAQMD regional significance thresholds. The CalEEMod output files for construction emissions are contained in Attachment 1.

Table 5 Construction Phases and Equipment		
Equipment	Quantity	Daily Operation Time (Hours)
Site Preparation (18 days)		
Rubber Tired Dozers	3	8
Tractors/Loaders/Backhoes	4	8
Grading (47 days)		
Excavators	2	8
Graders	1	8
Rubber Tired Dozers	1	8
Scrapers	2	8
Tractors/Loaders/Backhoes	2	8
Building Construction (243 days)		
Cranes	1	7
Forklifts	3	8
Generator Sets	1	8
Tractors/Loaders/Backhoes	3	7
Welders	1	8
Architectural Coatings (111 days)		
Air Compressor	1	6
Paving (18 days)		
Pavers	2	8
Paving Equipment	2	8
Rollers	2	8
NOTE: Each phase would also include vehicles associated with work commutes, dump trucks for hauling, and trucks for deliveries.		

Table 6 Total Annual Construction Emissions Comparison to General Conformity De Minimis Levels						
Construction	Emissions (tons per year)					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Year 2021 Emission (tons/year)	0.35	3.29	2.78	0.01	0.51	0.25
Year 2022 Emissions (tons/year)	1.77	1.61	1.95	0.01	0.33	0.13
Total Emissions (tons)	**2.12**	**4.91**	**4.73**	**0.01**	**0.83**	**0.38**
Maximum Annual Emissions (tons/year)	**1.77**	**3.29**	**2.78**	**0.01**	**0.51**	**0.25**
De Minimis Levels	*10*	*10*	*100*	--	*100*	*70*

Table 7 Maximum Daily Construction Emissions Comparison to SCAQMD Significance Thresholds						
Construction	Emissions (pounds per day)					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Site Preparation	4	41	22	<1	9	6
Grading	4	46	32	<1	6	3
Building Construction/ Architectural Coatings[1]	32	29	34	<1	6	2
Paving/ Architectural Coatings[1]	32	46	34	<1	2	1
Maximum Daily Emissions[2]	**32**	**46**	**34**	**<1**	**9**	**6**
SCAQMD Regional Threshold	*75*	*100*	*550*	*150*	*150*	*55*

[1]The architectural coatings phase of construction was modeled simultaneously with building construction and parking lot paving emissions.
[2]Emissions were rounded to the nearest whole number. Emissions reported as <1 indicate that emissions were calculated to be less than 0.5 pound per day.

As shown in Table 6, total maximum annual construction emissions associated with all phases of construction of the project would be below the applicable annual General Conformity *de minimis* levels and would conform to the applicable SIP. No further analysis would be required and no adverse air quality impacts would occur.

As shown in Table 7, maximum daily construction emissions for each separate phase of construction of the project would be less than the daily SCAQMD regional thresholds for all criteria pollutants. Note that none of the construction phases would overlap.

6.2 Operational Regional Emissions

Mobile source emissions would originate from traffic generated by the project. Area source emissions would result from the use of natural gas, consumer products, as well as applying architectural coatings and landscaping activities. Based on the entitlements and construction schedule for the project, it is anticipated that the soonest operational year would be 2023; therefore, operational emissions were modeled for year 2023.

Mobile source operational emissions are based on the trip rate, trip length, and vehicle mix. Total passenger vehicle and truck trip generation was obtained from the traffic report prepared for the project (Urban Crossroads 2019). The trip lengths for passenger vehicles and trucks were obtained from the trip length analysis prepared for the project (Urban Crossroads 2020).

By default, mobile emissions in CalEEMod are calculated using CARB's 2014 Emission Factor model (EMFAC2014). The U.S. EPA recently approved the use of CARB's 2017 Emission Factor model (EMFAC2017). However, this had not yet been incorporated into CalEEMod, and there is no standardized approach to modifying the emission factors

included in CalEEMod. Generally, vehicles have become cleaner over time; therefore, the mobile emissions would not be higher if CalEEMod were adjusted using EMFAC2017 emission factors. For the operational LST analysis discussed later in Section 6.3.2, the emission calculations for on-site truck activity were calculated using the newer EMFAC2017 emission factors.

The project-specific trip generation and trip length data is summarized in Table 8.

Table 8
Project Trip Generation and Trip Length

Vehicle Type	Daily Trip Generation (Average Daily Traffic)	Trip Length (miles)
Passenger Cars	573	24.2
Trucks	274	38.7
2 axle	46	38.7
3 axle	57	38.7
4+-axle	171	38.7
Total	**847**	**--**

SOURCE: Urban Crossroads 2019 and 2020

Area sources are direct sources of emissions located at the project site. Area source emissions associated with the project include consumer products, natural gas used in space and water heating, architectural coatings, and landscaping equipment. Hearths (fireplaces) and woodstoves are also a source of area emissions; however, the project would not include hearths or woodstoves. Consumer products are chemically formulated products used by household and institutional consumers, including, but not limited to, detergents, cleaning compounds, polishes, floor finishes, disinfectants, sanitizers, and aerosol paints but not including other paint products, furniture coatings, or architectural coatings. Emissions due to consumer products are calculated using total building area and product emission factors. Emissions are generated from the combustion of natural gas used in space and water heating. Emissions are based on the Residential Appliance Saturation Survey, which is a comprehensive energy use assessment that includes the end use for various climate zones in California.

For architectural coatings, emissions result from evaporation of solvents contained in surface coatings such as in paints and primers. Emissions are based on the building surface area, architectural coating emission factors, and a reapplication rate of 10 percent of area per year. Landscaping maintenance includes fuel combustion emission from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers as well as air compressors, generators, and pumps. Emission calculations take into account building area, equipment emission factors, and the number of days that landscaping equipment is likely to operate.

Table 9 provides a summary of the operational emissions generated by the project. CalEEMod output files for project operation are contained in Attachment 1. As shown, project-generated emissions are projected to be less than the SCAQMD's significance thresholds for all criteria pollutants.

Table 9 Summary of Project Operational Emissions (pounds per day)						
Source	Emissions					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
WINTER						
Area Sources	14	<1	<1	<1	<1	<1
Energy Sources	<1	<1	<1	<1	<1	<1
Mobile Sources – Passenger Cars	1	1	17	<1	10	3
Mobile Sources – Trucks	2	37	17	<1	10	3
Total	**17**	**38**	**34**	**<1**	**19**	**6**
Significance Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Exceed Threshold?	*No*	*No*	*No*	*No*	*No*	*No*
SUMMER						
Area Sources	14	<1	<1	<1	<1	<1
Energy Sources	<1	<1	<1	<1	<1	<1
Mobile Sources – Passenger Cars	1	1	19	<1	10	3
Mobile Sources – Trucks	2	36	16	<1	10	3
Total	**17**	**37**	**36**	**<1**	**19**	**6**
Significance Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Exceed Threshold?	*No*	*No*	*No*	*No*	*No*	*No*
NOTE: Emissions were rounded to the nearest whole number. Emissions reported as <1 indicate that emissions were calculated to be less than 0.5 pound per day.						

6.3 Localized Significance Thresholds

6.3.1 Construction Localized Significance Thresholds Calculations

The project site is located within Riverside Source Receptor Area 23. LSTs apply to on-site air emissions of CO, NO_2, PM_{10}, and $PM_{2.5}$. Based on the SCAQMD's *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds* (Fact Sheet), the appropriate methodology for determining localized impacts that could occur as a result of project-related construction, should follow these steps:

- Use CalEEMod to determine the maximum daily on-site emissions that will occur during construction activity.
- The SCAQMD's Fact Sheet is used to determine the maximum site acreage that is actively disturbed based on the construction equipment fleet and equipment hours as estimated in CalEEMod.
- If the total calculated acreage is less than or equal to five acres, then the SCAQMD's screening look-up tables may be utilized to determine the potential for significant impacts. The look-up tables establish a maximum daily emissions threshold in pounds per day to be directly compared to CalEEMod emission results.

- If the total acreage disturbed is greater than five acres per day, then the SCAQMD recommends dispersion modeling to be conducted to determine the actual pollutant concentrations for applicable LSTs.

Additionally, the LST Methodology states that only on-site emissions should be compared to LSTs. Therefore, off-site emissions associated with worker travel, materials deliveries, and other mobiles sources are not evaluated against LSTs.

The maximum on-site daily emissions for CO, NO_X, PM_{10}, and $PM_{2.5}$ for construction activity are compared to the applicable screening thresholds based on construction site acreage and the distance to the closest sensitive receptor, which is approximately 200 meters south of the development area. To determine the maximum daily disturbed acreage for use in the SCAQMD's LST look-up tables, the maximum acres per day were developed from the CalEEMod Users Guide. Based on the CalEEMod Users Guide, the proposed project is anticipated to disturb approximately 5 acres per day during the rough grading phase of construction (Table 10). As such, the 5-acre screening table should be utilized to evaluate emissions against LSTs. The grading phase is used, as it uses the greatest amount of heavy construction equipment, which represents a conservative, i.e., "worst-case" analytical scenario for purposes of construction LSTs.

Table 10
Maximum Disturbed Acres

Phase	Equipment	Pieces	Acres/Piece	Total Daily Acres
Grading	Excavators	2	0.5	1
	Graders	1	0.5	0.5
	Rubber Tired Dozers	1	0.5	0.5
	Scrapers	2	1	2
	Tractors/Loaders/Backhoes	2	0.5	1
Total Acres				5

SOURCE: CAPCOA 2016.

The maximum daily localized emissions from project construction and LSTs are presented in Table 11.

Table 11
Localized Construction Emissions

	CO	NO_X	PM_{10}	$PM_{2.5}$
Maximum Daily On-site Emission	33	39	9	5
LST Threshold	*6,860*	*488*	*75*	*31*
Threshold Exceeded?	No	No	No	No

As shown in Table 11, maximum localized construction emissions would not exceed any of the SCAQMD recommended localized screening thresholds.

6.3.2 Operational Localized Significance Thresholds Calculations

Once operational, on-site sources of emissions associated with the project would be passenger cars arriving at and departing from the facility, and trucks maneuvering on-site and idling at the proposed loading docks. The site plan identifies 49 loading docks on the east side of Building A, 39 loading docks on the west side of Building A, and 34 loading docks on the south side of Building B. The project would also include the operation of up to three non-diesel yard trucks used to move freight around the warehouse. For the operational LST analysis, on-site passenger car and truck travel and idling emissions were modeled in the AERMOD dispersion model using emission factors for CO, NO_2, PM_{10}, and $PM_{2.5}$ generated by EMFAC2017. The EMFAC2017 model generates emission factors in terms of grams per vehicle activity and vehicle category. Each on-site idling and travel route was modeled as a line volume source in AERMOD assuming that vehicles would travel at 5 mph while maneuvering on site, and each truck would idle for 15 minutes. Although the project is required to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of idling (SCAQMD 2009). As such, this analysis estimated truck idling at 15 minutes, consistent with SCAQMD's recommendation. The yard trucks were also modeled as sources operating throughout the project site. Surface and upper air meteorological data from the Riverside Airport monitoring station was used in the AERMOD model.

The SCAQMD has established that impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the State AAQS. For CO and NO_2, the emissions contribution from the project is added to ambient concentrations and the total is then compared to the most stringent applicable state and/or federal ambient air quality standards. $PM_{2.5}$ and PM_{10} impacts are treated differently than CO and NO_2, since nearly the entire district exceeds the state or federal $PM_{2.5}$ and PM_{10} standards. $PM_{2.5}$ and PM_{10} impacts from operational activities are derived based on the allowable change in concentration thresholds. Because the entire district is nonattainment for $PM_{2.5}$ and PM_{10}, determining background concentrations for these pollutants is unnecessary.

Applicable localized thresholds are as follows (SCAQMD 2015b):

- California State 1-hour CO standard of 20.0 ppm;
- California State 8-hour CO standard of 9.0 ppm;
- California State 1-hour NO_2 standard of 0.18 ppm;
- California State Annual NO_2 standard of 0.03 ppm;
- SCAQMD 24-hour operational PM_{10} LST of 2.5 $\mu g/m^3$;
- SCAQMD Annual operational PM_{10} LST of 1.0 $\mu g/m^3$; and
- SCAQMD 24-hour operational $PM_{2.5}$ LST of 2.5 $\mu g/m^3$.

EMFAC2017 and AERMOD calculation data is contained in Attachment 2. Localized operational emissions are summarized in Table 12.

Table 12 Localized Operational Emissions							
	CO (ppm)		NO_X (ppm)		PM_{10} (µg/m³)		$PM_{2.5}$ (µg/m³)
	Averaging Time						
	1-Hr	8-Hr	1-Hr	Annual	24-Hrs	Annual	24-Hrs
Peak Localized Emission Concentration	0.066	0.044	0.033	0.006	0.044	0.022	0.043
Background Concentration[1]	2.50	1.90	0.073	0.015	--	--	--
Total Concentration	**2.566**	**1.944**	**0.106**	**0.021**	**0.044**	**0.022**	**0.043**
LST Threshold	*20*	*9*	*0.18*	*0.03*	*2.5*	*1*	*2.5*
Threshold Exceeded?	No	No	No	No	No	No	No
[1]Highest concentration from the last three years of available data (see Table 2).							

As shown in Table 12, maximum localized operational emissions would not exceed any of the SCAQMD recommended localized screening thresholds.

6.3.3 Carbon Monoxide Hot Spots

A CO hot spot is an area of localized CO pollution that is caused by severe vehicle congestion on major roadways, typically near intersections. CO hot spots have the potential to violate state and federal CO standards at intersections, even if the broader basin is in attainment for federal and state levels. The California Department of Transportation Project-Level Carbon Monoxide Protocol (CO Protocol; U.C. Davis Institute of Transportation Studies 1997) indicates that CO hot spots occur nearly exclusively at signalized intersections operating at level of service (LOS) E or F. Accordingly, the CO Protocol recommends detailed air quality dispersion modeling for projects that may worsen traffic flow at any signalized intersections operating at LOS E or F.

Due to increased requirements for cleaner vehicles, equipment, and fuels, CO levels in the state have dropped substantially. All air basins are attainment or maintenance areas for CO. Therefore, more recent screening procedures based on more current methodologies have been developed. The SMAQMD developed a screening threshold in 2011, which states that any project involving an intersection experiencing 31,600 vehicles per hour or more will require detailed analysis. In addition, the Bay Area Air Quality Management District developed a screening threshold in 2010 which states that any project involving an intersection experiencing 44,000 vehicles per hour would require detailed analysis. This analysis conservatively assesses potential CO hot spots using the SMAQMD screening threshold of 31,600 vehicles per hour.

Based on the traffic report prepared for the project, in horizon year 2040 with the project, the following signalized intersections are anticipated to operate at LOS E or F:

- Sycamore Canyon Boulevard at Alessandro Boulevard (LOS F AM and PM)
- Interstate 215 northbound ramps at Alessandro Boulevard (LOS E AM and PM)

However, the traffic volumes at these intersections would be well less than 31,600 vehicles per hour. All other signalized intersections are projected to operate at LOS D or better. Therefore, the project is not anticipated to result in a CO hot spot.

6.4 Impact Analysis

1. *Would the project conflict with or obstruct implementation of the applicable air quality plan?*

As stated previously, the South Coast Air Basin is designated as in attainment or unclassifiable attainment (expected to be meeting the standard despite a lack of monitoring data) for all federal air quality standards except for the 8-hour ozone and $PM_{2.5}$ standards. The South Coast Air Basin is also designated as in nonattainment for state air quality standards for 8-hour ozone and $PM_{2.5}$, and additionally is in nonattainment of state PM_{10} standards. The regional air quality plan, the 2016 AQMP, outlines measures to reduce emissions of ozone and $PM_{2.5}$. Whereas reducing PM concentrations is achieved by reducing emissions of $PM_{2.5}$ to the atmosphere, reducing ozone concentrations is achieved by reducing the precursors of photochemical formation of ozone, VOC, and NO_X.

The growth forecasting for the AQMP is based in part on the land uses established by local general plans. Thus, if a project is consistent with land use as designated in the local general plan, it can normally be considered consistent with the AQMP. Projects that propose a different land use than is identified in the local general plan may also be considered consistent with the AQMP if the proposed land use is less intensive than buildout under the current designation. For projects that propose a land use that is more intensive than the current designation, analysis that is more detailed is required to assess conformance with the AQMP.

The project site is designated as Business/Office Park (B/OP) in the General Plan, and is zoned BMP-SP – Business and Manufacturing Park (BMP) and Specific Plan (Sycamore Canyon Business Park Specific Plan – Industrial) Overlay Zones. Permitted land uses include light industrial, distribution and warehousing, and product assembly. The project would be consistent with the land use and zoning designations. It would therefore be consistent with the growth assumptions of the 2016 AQMP.

Another factor used to determine if a project would conflict with implementation of the AQMP is determining if the project would result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay the timely attainment of air quality standards (NAAQS and CAAQS) or interim emissions reductions specified in the AQMP. NAAQS and CAAQS violations could occur if project emissions would exceed regional significance thresholds or LSTs. As shown in Tables 6 and 8, construction and operational emissions would be less than the regional significance thresholds. Additionally, as shown in Tables 10 and 11, construction and operational emissions would be less than the LSTs. Therefore, the project would not result in an air quality violation. The project would not conflict with or obstruct the implementation of the AQMP or applicable portions of the SIP.

2. *Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?*

As discussed in Section 4.3, Existing Air Quality, the Basin is classified as in attainment for all criterion pollutants except for ozone, PM_{10}, and $PM_{2.5}$. The Basin is designated as a nonattainment area for federal AAQS for the 8-hour ozone and $PM_{2.5}$ standards, and is in nonattainment area under state PM_{10} standards. Ozone is not emitted directly, but is a result of atmospheric activity on precursors. NO_X and ROG are known as the chief "precursors" of ozone. These compounds react in the presence of sunlight to produce ozone.

As shown in Tables 7 and 9, emissions of ozone precursors (ROG and NO_X), PM_{10}, and $PM_{2.5}$ from construction and operation would be below the SCAQMD's thresholds of significance. These thresholds were developed based on the CAA *de minimis* level, which are designed to provide limits below which project emissions from an individual project would not significantly affect regional air quality or the timely attainment of the NAAQS and CAAQS. Additionally, as shown in Tables 11 and 12, maximum localized construction and operational emissions would not exceed any of the SCAQMD recommended localized screening thresholds. Therefore, the project would not result in a cumulatively considerable net increase in emissions of ozone, PM_{10}, or $PM_{2.5}$, and impacts would be less than significant.

3. *Would the project expose sensitive receptors to substantial pollutant concentrations?*

A sensitive receptor is a person in the population who is more susceptible to health effects due to exposure to an air contaminant than is the population at large. Examples of sensitive receptor locations in the community include residences, schools, playgrounds, childcare centers, churches, athletic facilities, retirement homes, and long-term health care facilities. The sensitive receptors nearest to the project site include single and multi-family residences to the south and southeast of the project site. The project was analyzed for its potential to result in significant health risk impacts resulting from short-term construction and long-term operational emissions.

Results of the LST analysis indicate that the project would not exceed the SCAQMD LSTs during construction (see Table 11). Results of the LST analysis also indicate that the project would not exceed the SCAQMD LSTs during operational activity (see Table 12). The LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable NAAQS or CAAQS at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses. LSTs were developed in response to environmental justice and health concerns raised by the public regarding exposure of individuals to criteria pollutants in local communities. To address the issue of localized significance, the SCAQMD adopted LSTs that show whether a project would cause or contribute to localized air quality impacts and thereby cause or contribute to potential localized adverse health effects. Because construction and operational activity would not result in an exceedance of the SCAQMD's LSTs, sensitive receptors would not be exposed to

substantial pollutant concentrations during project construction or operation, and, therefore, would not cause or contribute to potential localized adverse health effects.

Additionally, the project was evaluated for consistency with the Western Riverside Council of Governments (WRCOG) *Good Neighbor Guidelines for Site New and/or Modified Warehouse/Distribution Facilities* (Good Neighbor Guidelines; WRCOG 2005) as well as the City's own *Good Neighbor Guidelines for Siting New and/or Modified Warehouse Distribution Facilities* (Good Neighbor Guidelines; City of Riverside 2008). Both Good Neighbor Guidelines were designed to help minimize the impacts of DPM from on-road trucks associated with warehouses and distribution centers on existing communities and sensitive receptors located in the region. The City's Good Neighbor Guidelines are similar to the WRCOG Guidelines, with the City's being tailored to the City's unique characteristics and specific needs. These guidelines include the following goals that can be implemented at the regional level:

- Minimize exposure to diesel emissions to neighbors that are situated in close proximity to the warehouse/distribution center;
  - Recommended strategy: Design facilities to allow for the queuing of truck on-site and away from sensitive receptors. Conversely, prevent the queuing of trucks on streets or elsewhere outside of facility in compliance with Title 10 – Vehicles and Traffic – Chapter 10.44 – Stopping, Standing and Parking.

    Project consistency: Based on the project location and design, no truck queuing would occur next to sensitive receptors, which are located south of Alessandro Boulevard. Truck queuing would not occur outside the facility.
  - Recommended strategy: To the extent possible, locate driveways, loading docks and internal circulation route away from residential uses or any other sensitive receptors.

    Project consistency: Driveways, loading docks, and internal circulation routes are not adjacent to sensitive receptors. Further, as calculated in this analysis, emissions due to on-site operations would not expose sensitive receptors to substantial pollutant concentrations.
  - Recommended strategy: Conduct SCAQMD URBEMIS and EMFAC computer models as appropriate, to initially evaluate warehouse and distribution projects on a case by case basis to determine the significance of air quality impacts and whether air quality thresholds would be exceeded as a result of the project. Where thresholds are exceeded, a more detailed air quality specialist is required to be prepared and submitted by the project applicant.

    Project consistency: As calculated and concluded in this analysis, the project would not result in significant air quality impacts.
  - Recommended strategy: Enforce compliance with Riverside Municipal Code Section 19.880 – "Transportation Demand Management Regulations". This section of the Code requires trip reduction plans to be submitted for all businesses, including warehouses, with over one hundred employees to reduce

work-related vehicles trips by six and one half percent from the number of trips related to the project.

Project consistency: The project would include transportation demand management measures that would reduce emissions associated with employee trips. These include access to public transit (Routes 20 and 208), bicycle parking, clean air/van pool parking spaces, and electric vehicle parking.

- Eliminate diesel trucks from unnecessarily traversing through residential neighborhoods;
  - Recommended strategy: Require warehouse/distribution centers to establish a specific truck route between the warehouse/distribution center and the State Route 60 and Interstate 215 freeways for City approval as part of the Design Review process. In addition, a haul route plan for construction activities should also be provided as part of the Design Review process.

    Project consistency: The project site is located one mile west of Interstate 215, with direct access via Alessandro Boulevard which is an existing truck route.
  - Recommended strategy: Require warehouse/distribution centers to clearly specify all entrance and exit points on the site plan submitted for City review and approval.

    Project consistency: The project site plans indicate all entrance and exit points.
  - Recommended strategy: Require warehouse/distribution centers to provide on-site signage for directional guidance to trucks entering and exiting the facility.

    Project consistency: On-site signage for directional guidance will be provided.
  - Recommended strategy: Require warehouse/distribution centers to provide signage or flyers that advise truck drivers of the closest restaurants, fueling stations, truck repair facilities, lodging and entertainment.

    Project consistency: The future tenants are unknown at this time; however, this information is readily available to truck drivers.
- Eliminate trucks from using residential areas and repairing vehicles on the streets;
  - Recommended strategy: Enforce compliance with Riverside Municipal Code Section 10.44.155 – "Parking of certain commercial vehicles, trailers and semi-trailers prohibited; exceptions", Section 10.44.160 – "Parking of certain commercial vehicles prohibited in residential districts" and Section 10.44.040 "Parking for certain purposes prohibited".

    Project consistency: The project would comply with all Municipal Code requirements. No trucks would be parked off-site.
- Reduce and/or eliminate diesel idling within the warehouse/distribution center;
  - Recommended strategy: Promote the installation of on-site electric hook-ups to eliminate the idling of main and auxiliary engines during loading and unloading

of cargo and when trucks are not in use – especially where Transportation Refrigeration Units are proposed to be used.

Project consistency: The project would not include Transportation Refrigeration Units. All trucks would be required to comply with the CARB idling limit of 5 minutes.

- Recommended strategy: Implement General Plan 2025 Program Final Program Environmental Impact Report, Mitigation Measure MM Air 12. This Mitigation Measure requires that all new truck terminals, warehouses and other shipping facilities requiring the use of refrigerated trucks and with more than 50 truck trips per day shall provide electrical hookups for the refrigerated units to reduce idling and its associated air quality pollutants. Additionally, future tenant improvements involving conversion of a warehouse for refrigeration storage shall include electrical hookups for refrigerated units.

  Project consistency: The project would not include Transportation Refrigeration Units or refrigeration storage.

- Recommended strategy: Require signage (posted inside and outside of the warehouse facility) to inform truck drivers of CARB regulations, idling limits, authorized truck route, and designated truck parking locations. Post signs requesting truck drivers to turn off engines when not in use and restrict idling within facilities to less than 5 minutes.

  Project consistency: The project would include signage regarding idling limits, truck routes, and parking.

Additionally, the City's Guidelines recommend the enforcement of the Riverside Municipal Code.

The City is currently in the process of updating the Riverside Good Neighbor Guidelines. The updated guidelines include new limits of operations and require on-site electrical loading dock hook ups. The updated Good Neighbor Guidelines have not yet been adopted, but as proposed at the time of this report, the project would be in compliance with the proposed updates.

4. *Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?*

During construction, diesel equipment may generate some nuisance odors. Sensitive receptors near the project site include residential uses approximately 300 feet south of the project site; however, exposure to odors associated with project construction would be short term and temporary in nature. It should also be noted that all construction equipment is subject to the CARB In-Use Off-Road Diesel-Fueled Fleets Regulation. This regulation, which applies to all off-road diesel vehicles 25 horsepower or greater, 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. Implementation of this measure reduces construction exhaust

emissions, thereby also reducing construction equipment odors. Additionally, SCAQMD Rule 402 addresses nuisance emissions, including odors. Rule 402 states "A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property." Due to the distance to the residential receptors, implementation of CARB regulations, the short-term nature of construction, and enforcement of Rule 402, construction odor impacts would be less than significant.

The following list provides some common types of facilities that are known producers of objectionable odors (Bay Area Air Quality Management District 2010). This list of facilities is not meant to be all-inclusive.

- Wastewater Treatment Plant
- Wastewater Pumping Facilities
- Sanitary Landfill
- Transfer Station
- Composting Facility
- Petroleum Refinery
- Asphalt Batch Plant
- Chemical Manufacturing
- Fiberglass Manufacturing
- Painting/Coating Operations
- Rendering Plant
- Coffee Roaster
- Food Processing Facility
- Confined Animal Facility/Feed Lot/Dairy
- Green Waste and Recycling Operations
- Metal Smelting Plants

The project does not include any of these uses that are typically associated with odor complaints. The project does not propose any uses or activities that would result in potentially significant operational-source odor impacts. The project proposes the operation of a high-cube warehouse, which is not included on CARB's list of facilities that are known to be prone to generate odors. During operation of the project, odors could also be emitted from trucks maneuvering on-site and idling at the proposed loading docks. However, all trucks would be required to comply with CARB's idling limit of 5 minutes, and these trucks would not produce a significant amount of odors. Consistent with City requirements, all project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with solid waste regulations, thereby precluding substantial generation of odors due to temporary holding of refuse on-site. The project is not expected to generate significant objectionable odors affecting a substantial number of people. Impacts would be less than significant.

7.0 Conclusions

The project's potential to result in impacts to air quality was assessed in accordance with the guidelines, policies, and standards established by the City and the SCAQMD. The SCAQMD prepared the 2016 AQMP, which represents its contribution to the SIP, to outline the district's strategy for achieving attainment of federal and state AAQS. The 2016 AQMP provides an overview of air quality and sources of air pollution, and identifies the pollution-control measures needed to meet clean air standards. The project would be consistent with the land use and zoning designations and would support the development goals of the Sycamore Canyon Business Park Specific Plan. The project would also be consistent with the growth assumptions of the 2016 AQMP. Additionally, the project would not result in an air quality violation. Therefore, the project would not conflict with or obstruct the implementation of the 2016 AQMP or applicable portions of the SIP.

Implementation of the project would result in air quality emissions associated with the construction and operation of the project. As shown in Tables 7 and 9, project construction and operation would not exceed the SCAQMD's thresholds of significance. Therefore, as project operation emissions would be below these limits, project operation would not result in regional emissions that would exceed the NAAQS or CAAQS or contribute to existing violations. Therefore, the project would result in a less than significant impact.

As shown in Tables 11 and 12, project construction and operational emissions would not exceed the SCAQMD's LSTs. Thus, the project would not result in localized emissions that exceed the NAAQS or CAAQS or expose nearby sensitive receptors to unhealthy pollutant concentrations. The project would result in a less than significant local air quality impact.

The potential for an odor impact is dependent on a number of variables including the nature of the odor source, distance between the receptor and odor source, and local meteorological conditions. During construction, potential odor sources associated with the project include diesel exhaust associated with construction equipment. Diesel exhaust may be noticeable; however, construction activities would be temporary, and would dissipate without affecting a substantial number of people. The project does not include a use that is anticipated to generate substantial odors. Impacts would be less than significant.

8.0 References Cited

Bay Area Air Quality Management District
2010 California Environmental Quality Act Air Quality Guidelines. May.

California Air Pollution Control Officers Association (CAPCOA)
2017 California Emissions Estimator model (CalEEMod). User's Guide Version 2016.3.2. October.

California Air Resources Board (CARB)

2000 Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles. California Air Resources Board. Stationary Source Division, Mobile Source Control Division. October.

2005 Air Quality and Land Use Handbook: A Community Health Perspective. California Air Resources Board. April.

2016 Ambient Air Quality Standards. California Air Resources Board. October 1.

2020 California Air Quality Data Statistics. California Air Resources Board Internet Site. http://www.arb.ca.gov/adam/welcome.html. Accessed January 13, 2020.

California Supreme Court

2019 *Sierra Club v. County of Fresno* (2019) 6 Cal.5th 502.

South Coast Air Quality Management District (SCAQMD)

1993 SCAQMD CEQA Air Handbook. November.

2008 Final Localized Significance Threshold Methodology. July.

2009 James Koizumi, Planning, Rule Development & Area Sources. May 6, 2009.

2015 Multiple Air Toxics Exposure Study in the South Coast Air Basin Final Report. Accessed at http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-iv. May 2015.

2017 MATES V Multiple Air Toxics Exposure Study. Available at http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-v .

2018 Air Quality and Data Forecasts, Historical Data By Year. Accessed at http://www.aqmd.gov/home/air-quality/air-quality-data-studies/historical-data-by-year. December 12, 2018

2019 SCAQMD Air Quality Significance Thresholds. Updated April 2019.

U.S. Environmental Protection Agency (EPA)

2016 U.S. Environmental Protection Agency Website Criteria Air Pollutants, Particulate Matter. Accessed at https://www3.epa.gov/airquality/particlepollution/index.html. Last updated February 23, 2016.

University of California, Davis Institute of Transportation Studies

1997 Transportation Project-Level Carbon Monoxide Protocol. December. Davis, CA.

Urban Crossroads
2019 High-Cube Warehouse Project Trip Generation Summary. February 1, 2019.

2020 Sycamore Hills Distribution Center Vehicle Miles Traveled (VMT)/Trip Length Analysis. July 29, 2020.

Western Regional Climate Center
2018 March Field and Riverside Fire Station 3 Monthly Climate Summaries. Accessed at https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca7470 and https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca5326. December 6, 2018.

Western Riverside Council of Governments (WRCOG)
2005 *Good Neighbor Guidelines for Site New and/or Modified Warehouse/Distribution Facilities*. Regional Air Quality Task Force. September 12, 2005.

ATTACHMENTS

ATTACHMENT 1

CalEEMod Output

9309 Sycamore Hills Distribution Center - Passenger Cars

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	603.10	1000sqft	16.00	603,100.00	0
Other Asphalt Surfaces	16.00	Acre	16.00	696,960.00	0
Parking Lot	5.00	Acre	5.00	217,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2023
Utility Company	Riverside Public Utilities				
CO2 Intensity (lb/MWhr)	1051.61	**CH4 Intensity (lb/MWhr)**	0.023	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

9309 Sycamore Hills Distribution Center - Passenger Cars - South Coast Air Basin, Annual

Project Characteristics - RPS - 33% goal by 2020, 18.4% accounted for in CalEEMod

Land Use - 37 acre site
603,100 sf

Construction Phase - Grading/Prliminary Road Construction - 3 months
Building Permit/Building Construction - 12 months

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - CalEEMod applies same worker/vendor trip rates to parking/asphalt surfaces as it does to office/industrial building construction, resulting in overestimate of actual trips. Default trips adjusted to reflect builing construction of buildings only

Grading -

Architectural Coating - SCAQMD Rule 1113 - Building Envelope and Non-Flat Coating limit = 50 g/L

Vehicle Trips - 847 ADT
Passenger cars - 573 (0.95 trips/ksf)
24.2 mile trip length

Area Coating -

Energy Use -

Water And Wastewater - CalGreen requires 20% reduction in indoor water use (111,573,500 gallons)

Construction Off-road Equipment Mitigation - 61% fugitive dust reduction associated with watering

Waste Mitigation -

Fleet Mix - Passenger cars only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstructionPhase	NumDays	55.00	111.00
tblConstructionPhase	NumDays	740.00	243.00

9309 Sycamore Hills Distribution Center - Passenger Cars - South Coast Air Basin, Annual

tblConstructionPhase	NumDays	75.00	47.00
tblConstructionPhase	NumDays	55.00	18.00
tblConstructionPhase	NumDays	30.00	18.00
tblConstructionPhase	PhaseEndDate	11/27/2024	6/30/2022
tblConstructionPhase	PhaseEndDate	6/26/2024	6/6/2022
tblConstructionPhase	PhaseEndDate	8/25/2021	6/30/2021
tblConstructionPhase	PhaseEndDate	9/11/2024	6/30/2022
tblConstructionPhase	PhaseEndDate	5/12/2021	4/26/2021
tblConstructionPhase	PhaseStartDate	9/12/2024	1/27/2022
tblConstructionPhase	PhaseStartDate	8/26/2021	7/1/2021
tblConstructionPhase	PhaseStartDate	5/13/2021	4/27/2021
tblConstructionPhase	PhaseStartDate	6/27/2024	6/7/2022
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	1.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.8470e-003	0.00
tblFleetMix	MCY	4.8220e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.6900e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.1100e-003	0.00
tblFleetMix	SBUS	7.1000e-004	0.00
tblFleetMix	UBUS	1.7690e-003	0.00
tblLandUse	LotAcreage	13.85	16.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023

tblProjectCharacteristics	CO2IntensityFactor	1325.65	1051.61
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	VendorTripNumber	249.00	99.00
tblTripsAndVMT	WorkerTripNumber	638.00	253.00
tblVehicleTrips	CC_TL	8.40	24.20
tblVehicleTrips	CNW_TL	6.90	24.20
tblVehicleTrips	CW_TL	16.60	24.20
tblVehicleTrips	ST_TR	1.68	0.95
tblVehicleTrips	SU_TR	1.68	0.95
tblVehicleTrips	WD_TR	1.68	0.95
tblWater	IndoorWaterUseRate	139,466,875.00	111,573,500.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3498	3.2944	2.7754	7.0400e-003	0.5977	0.1311	0.7288	0.2363	0.1219	0.3582	0.0000	635.4736	635.4736	0.1027	0.0000	638.0416
2022	1.7663	1.6114	1.9537	5.4000e-003	0.2681	0.0572	0.3253	0.0720	0.0540	0.1260	0.0000	489.3229	489.3229	0.0508	0.0000	490.5933
Maximum	**1.7663**	**3.2944**	**2.7754**	**7.0400e-003**	**0.5977**	**0.1311**	**0.7288**	**0.2363**	**0.1219**	**0.3582**	**0.0000**	**635.4736**	**635.4736**	**0.1027**	**0.0000**	**638.0416**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3498	3.2944	2.7754	7.0400e-003	0.3742	0.1311	0.5053	0.1302	0.1219	0.2521	0.0000	635.4732	635.4732	0.1027	0.0000	638.0413
2022	1.7663	1.6114	1.9537	5.4000e-003	0.2681	0.0572	0.3253	0.0720	0.0540	0.1260	0.0000	489.3228	489.3228	0.0508	0.0000	490.5931
Maximum	**1.7663**	**3.2944**	**2.7754**	**7.0400e-003**	**0.3742**	**0.1311**	**0.5053**	**0.1302**	**0.1219**	**0.2521**	**0.0000**	**635.4732**	**635.4732**	**0.1027**	**0.0000**	**638.0413**

	ROG	**NOx**	**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**	**25.82**	**0.00**	**21.20**	**34.41**	**0.00**	**21.91**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

9309 Sycamore Hills Distribution Center - Passenger Cars - South Coast Air Basin, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**4-1-2021**	**6-30-2021**	1.5909	1.5909
2	**7-1-2021**	**9-30-2021**	1.0134	1.0134
3	**10-1-2021**	**12-31-2021**	1.0189	1.0189
4	**1-1-2022**	**3-31-2022**	1.5970	1.5970
5	**4-1-2022**	**6-30-2022**	1.7787	1.7787
		Highest	1.7787	1.7787

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	2.5314	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0155	0.0155	4.0000e-005	0.0000	0.0165
Energy	6.6000e-003	0.0600	0.0504	3.6000e-004		4.5600e-003	4.5600e-003		4.5600e-003	4.5600e-003	0.0000	780.6198	780.6198	0.0169	4.6000e-003	782.4126
Mobile	0.1150	0.2458	3.1992	0.0133	1.7549	0.0107	1.7656	0.4659	9.8300e-003	0.4757	0.0000	1,203.5080	1,203.5080	0.0211	0.0000	1,204.0349
Waste						0.0000	0.0000		0.0000	0.0000	115.0776	0.0000	115.0776	6.8009	0.0000	285.0999
Water						0.0000	0.0000		0.0000	0.0000	35.3971	692.9882	728.3853	3.6508	0.0891	846.2185
Total	**2.6530**	**0.3059**	**3.2575**	**0.0137**	**1.7549**	**0.0153**	**1.7702**	**0.4659**	**0.0144**	**0.4803**	**150.4747**	**2,677.1315**	**2,827.6062**	**10.4897**	**0.0937**	**3,117.7824**

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	2.5314	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0155	0.0155	4.0000e-005	0.0000	0.0165
Energy	6.6000e-003	0.0600	0.0504	3.6000e-004		4.5600e-003	4.5600e-003		4.5600e-003	4.5600e-003	0.0000	780.6198	780.6198	0.0169	4.6000e-003	782.4126
Mobile	0.1150	0.2458	3.1992	0.0133	1.7549	0.0107	1.7656	0.4659	9.8300e-003	0.4757	0.0000	1,203.5080	1,203.5080	0.0211	0.0000	1,204.0349
Waste						0.0000	0.0000		0.0000	0.0000	86.3082	0.0000	86.3082	5.1007	0.0000	213.8249
Water						0.0000	0.0000		0.0000	0.0000	35.3971	692.9882	728.3853	3.6508	0.0891	846.2185
Total	**2.6530**	**0.3059**	**3.2575**	**0.0137**	**1.7549**	**0.0153**	**1.7702**	**0.4659**	**0.0144**	**0.4803**	**121.7053**	**2,677.1315**	**2,798.8368**	**8.7895**	**0.0937**	**3,046.5075**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**19.12**	**0.00**	**1.02**	**16.21**	**0.00**	**2.29**

3.0 Construction Detail

Construction Phase

9309 Sycamore Hills Distribution Center - Passenger Cars - South Coast Air Basin, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2021	4/26/2021	5	18	
2	Grading	Grading	4/27/2021	6/30/2021	5	47	
3	Building Construction	Building Construction	7/1/2021	6/6/2022	5	243	
4	Paving	Paving	6/7/2022	6/30/2022	5	18	
5	Architectural Coatings	Architectural Coating	1/27/2022	6/30/2022	5	111	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 117.5

Acres of Paving: 21

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 904,650; Non-Residential Outdoor: 301,550; Striped Parking Area: 54,886 (Architectural Coating – sqft)

OffRoad Equipment

9309 Sycamore Hills Distribution Center - Passenger Cars - South Coast Air Basin, Annual

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	253.00	99.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coatings	1	128.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1626	0.0000	0.1626	0.0894	0.0000	0.0894	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0350	0.3645	0.1904	3.4000e-004		0.0184	0.0184		0.0169	0.0169	0.0000	30.0922	30.0922	9.7300e-003	0.0000	30.3355
Total	**0.0350**	**0.3645**	**0.1904**	**3.4000e-004**	**0.1626**	**0.0184**	**0.1810**	**0.0894**	**0.0169**	**0.1063**	**0.0000**	**30.0922**	**30.0922**	**9.7300e-003**	**0.0000**	**30.3355**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	5.0000e-004	5.6500e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.5498	1.5498	4.0000e-005	0.0000	1.5508
Total	**6.7000e-004**	**5.0000e-004**	**5.6500e-003**	**2.0000e-005**	**1.7800e-003**	**1.0000e-005**	**1.7900e-003**	**4.7000e-004**	**1.0000e-005**	**4.8000e-004**	**0.0000**	**1.5498**	**1.5498**	**4.0000e-005**	**0.0000**	**1.5508**

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					0.0634	0.0000	0.0634	0.0349	0.0000	0.0349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0350	0.3645	0.1904	3.4000e-004		0.0184	0.0184		0.0169	0.0169	0.0000	30.0921	30.0921	9.7300e-003	0.0000	30.3354
Total	**0.0350**	**0.3645**	**0.1904**	**3.4000e-004**	**0.0634**	**0.0184**	**0.0818**	**0.0349**	**0.0169**	**0.0518**	**0.0000**	**30.0921**	**30.0921**	**9.7300e-003**	**0.0000**	**30.3354**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	5.0000e-004	5.6500e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.5498	1.5498	4.0000e-005	0.0000	1.5508
Total	**6.7000e-004**	**5.0000e-004**	**5.6500e-003**	**2.0000e-005**	**1.7800e-003**	**1.0000e-005**	**1.7900e-003**	**4.7000e-004**	**1.0000e-005**	**4.8000e-004**	**0.0000**	**1.5498**	**1.5498**	**4.0000e-005**	**0.0000**	**1.5508**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2038	0.0000	0.2038	0.0845	0.0000	0.0845	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0985	1.0904	0.7256	1.4600e-003		0.0467	0.0467		0.0429	0.0429	0.0000	128.0632	128.0632	0.0414	0.0000	129.0987
Total	**0.0985**	**1.0904**	**0.7256**	**1.4600e-003**	**0.2038**	**0.0467**	**0.2505**	**0.0845**	**0.0429**	**0.1274**	**0.0000**	**128.0632**	**128.0632**	**0.0414**	**0.0000**	**129.0987**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9500e-003	1.4500e-003	0.0164	5.0000e-005	5.1600e-003	4.0000e-005	5.2000e-003	1.3700e-003	4.0000e-005	1.4100e-003	0.0000	4.4963	4.4963	1.2000e-004	0.0000	4.4993
Total	**1.9500e-003**	**1.4500e-003**	**0.0164**	**5.0000e-005**	**5.1600e-003**	**4.0000e-005**	**5.2000e-003**	**1.3700e-003**	**4.0000e-005**	**1.4100e-003**	**0.0000**	**4.4963**	**4.4963**	**1.2000e-004**	**0.0000**	**4.4993**

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					0.0795	0.0000	0.0795	0.0330	0.0000	0.0330	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0985	1.0904	0.7256	1.4600e-003		0.0467	0.0467		0.0429	0.0429	0.0000	128.0631	128.0631	0.0414	0.0000	129.0985
Total	**0.0985**	**1.0904**	**0.7256**	**1.4600e-003**	**0.0795**	**0.0467**	**0.1262**	**0.0330**	**0.0429**	**0.0759**	**0.0000**	**128.0631**	**128.0631**	**0.0414**	**0.0000**	**129.0985**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9500e-003	1.4500e-003	0.0164	5.0000e-005	5.1600e-003	4.0000e-005	5.2000e-003	1.3700e-003	4.0000e-005	1.4100e-003	0.0000	4.4963	4.4963	1.2000e-004	0.0000	4.4993
Total	**1.9500e-003**	**1.4500e-003**	**0.0164**	**5.0000e-005**	**5.1600e-003**	**4.0000e-005**	**5.2000e-003**	**1.3700e-003**	**4.0000e-005**	**1.4100e-003**	**0.0000**	**4.4963**	**4.4963**	**1.2000e-004**	**0.0000**	**4.4993**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1255	1.1505	1.0940	1.7800e-003		0.0633	0.0633		0.0595	0.0595	0.0000	152.8806	152.8806	0.0369	0.0000	153.8027
Total	**0.1255**	**1.1505**	**1.0940**	**1.7800e-003**		**0.0633**	**0.0633**		**0.0595**	**0.0595**	**0.0000**	**152.8806**	**152.8806**	**0.0369**	**0.0000**	**153.8027**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0188	0.6356	0.1606	1.6300e-003	0.0412	1.2900e-003	0.0425	0.0119	1.2400e-003	0.0131	0.0000	158.6498	158.6498	0.0102	0.0000	158.9055
Worker	0.0694	0.0515	0.5828	1.7700e-003	0.1832	1.3800e-003	0.1846	0.0487	1.2700e-003	0.0499	0.0000	159.7418	159.7418	4.3000e-003	0.0000	159.8492
Total	**0.0882**	**0.6871**	**0.7434**	**3.4000e-003**	**0.2244**	**2.6700e-003**	**0.2271**	**0.0605**	**2.5100e-003**	**0.0631**	**0.0000**	**318.3916**	**318.3916**	**0.0145**	**0.0000**	**318.7547**

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	0.1255	1.1505	1.0940	1.7800e-003		0.0633	0.0633		0.0595	0.0595	0.0000	152.8804	152.8804	0.0369	0.0000	153.8025
Total	**0.1255**	**1.1505**	**1.0940**	**1.7800e-003**		**0.0633**	**0.0633**		**0.0595**	**0.0595**	**0.0000**	**152.8804**	**152.8804**	**0.0369**	**0.0000**	**153.8025**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0188	0.6356	0.1606	1.6300e-003	0.0412	1.2900e-003	0.0425	0.0119	1.2400e-003	0.0131	0.0000	158.6498	158.6498	0.0102	0.0000	158.9055
Worker	0.0694	0.0515	0.5828	1.7700e-003	0.1832	1.3800e-003	0.1846	0.0487	1.2700e-003	0.0499	0.0000	159.7418	159.7418	4.3000e-003	0.0000	159.8492
Total	**0.0882**	**0.6871**	**0.7434**	**3.4000e-003**	**0.2244**	**2.6700e-003**	**0.2271**	**0.0605**	**2.5100e-003**	**0.0631**	**0.0000**	**318.3916**	**318.3916**	**0.0145**	**0.0000**	**318.7547**

3.4 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	0.0947	0.8667	0.9082	1.4900e-003		0.0449	0.0449		0.0422	0.0422	0.0000	128.6075	128.6075	0.0308	0.0000	129.3778
Total	**0.0947**	**0.8667**	**0.9082**	**1.4900e-003**		**0.0449**	**0.0449**		**0.0422**	**0.0422**	**0.0000**	**128.6075**	**128.6075**	**0.0308**	**0.0000**	**129.3778**

3.4 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	0.0148	0.5071	0.1279	1.3600e-003	0.0346	9.5000e-004	0.0356	9.9900e-003	9.1000e-004	0.0109	0.0000	132.2316	132.2316	8.3000e-003	0.0000	132.4391
Worker	0.0548	0.0391	0.4525	1.4300e-003	0.1541	1.1300e-003	0.1552	0.0409	1.0400e-003	0.0420	0.0000	129.5169	129.5169	3.2700e-003	0.0000	129.5986
Total	**0.0696**	**0.5463**	**0.5804**	**2.7900e-003**	**0.1887**	**2.0800e-003**	**0.1908**	**0.0509**	**1.9500e-003**	**0.0529**	**0.0000**	**261.7485**	**261.7485**	**0.0116**	**0.0000**	**262.0377**

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	0.0947	0.8667	0.9082	1.4900e-003		0.0449	0.0449		0.0422	0.0422	0.0000	128.6074	128.6074	0.0308	0.0000	129.3776
Total	**0.0947**	**0.8667**	**0.9082**	**1.4900e-003**		**0.0449**	**0.0449**		**0.0422**	**0.0422**	**0.0000**	**128.6074**	**128.6074**	**0.0308**	**0.0000**	**129.3776**

3.4 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	0.0148	0.5071	0.1279	1.3600e-003	0.0346	9.5000e-004	0.0356	9.9900e-003	9.1000e-004	0.0109	0.0000	132.2316	132.2316	8.3000e-003	0.0000	132.4391
Worker	0.0548	0.0391	0.4525	1.4300e-003	0.1541	1.1300e-003	0.1552	0.0409	1.0400e-003	0.0420	0.0000	129.5169	129.5169	3.2700e-003	0.0000	129.5986
Total	**0.0696**	**0.5463**	**0.5804**	**2.7900e-003**	**0.1887**	**2.0800e-003**	**0.1908**	**0.0509**	**1.9500e-003**	**0.0529**	**0.0000**	**261.7485**	**261.7485**	**0.0116**	**0.0000**	**262.0377**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.9300e-003	0.1001	0.1312	2.1000e-004		5.1100e-003	5.1100e-003		4.7000e-003	4.7000e-003	0.0000	18.0248	18.0248	5.8300e-003	0.0000	18.1705
Paving	0.0275					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0374**	**0.1001**	**0.1312**	**2.1000e-004**		**5.1100e-003**	**5.1100e-003**		**4.7000e-003**	**4.7000e-003**	**0.0000**	**18.0248**	**18.0248**	**5.8300e-003**	**0.0000**	**18.1705**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	3.8000e-004	4.3500e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2452	1.2452	3.0000e-005	0.0000	1.2460
Total	**5.3000e-004**	**3.8000e-004**	**4.3500e-003**	**1.0000e-005**	**1.4800e-003**	**1.0000e-005**	**1.4900e-003**	**3.9000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**1.2452**	**1.2452**	**3.0000e-005**	**0.0000**	**1.2460**

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	9.9300e-003	0.1001	0.1312	2.1000e-004		5.1100e-003	5.1100e-003		4.7000e-003	4.7000e-003	0.0000	18.0248	18.0248	5.8300e-003	0.0000	18.1705
Paving	0.0275					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0374**	**0.1001**	**0.1312**	**2.1000e-004**		**5.1100e-003**	**5.1100e-003**		**4.7000e-003**	**4.7000e-003**	**0.0000**	**18.0248**	**18.0248**	**5.8300e-003**	**0.0000**	**18.1705**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	3.8000e-004	4.3500e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2452	1.2452	3.0000e-005	0.0000	1.2460
Total	**5.3000e-004**	**3.8000e-004**	**4.3500e-003**	**1.0000e-005**	**1.4800e-003**	**1.0000e-005**	**1.4900e-003**	**3.9000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**1.2452**	**1.2452**	**3.0000e-005**	**0.0000**	**1.2460**

3.6 Architectural Coatings - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5249					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.0782	0.1007	1.6000e-004		4.5400e-003	4.5400e-003		4.5400e-003	4.5400e-003	0.0000	14.1706	14.1706	9.2000e-004	0.0000	14.1936
Total	**1.5362**	**0.0782**	**0.1007**	**1.6000e-004**		**4.5400e-003**	**4.5400e-003**		**4.5400e-003**	**4.5400e-003**	**0.0000**	**14.1706**	**14.1706**	**9.2000e-004**	**0.0000**	**14.1936**

3.6 Architectural Coatings - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0277	0.0198	0.2289	7.2000e-004	0.0779	5.7000e-004	0.0785	0.0207	5.3000e-004	0.0212	0.0000	65.5264	65.5264	1.6500e-003	0.0000	65.5677
Total	**0.0277**	**0.0198**	**0.2289**	**7.2000e-004**	**0.0779**	**5.7000e-004**	**0.0785**	**0.0207**	**5.3000e-004**	**0.0212**	**0.0000**	**65.5264**	**65.5264**	**1.6500e-003**	**0.0000**	**65.5677**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5249					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.0782	0.1007	1.6000e-004		4.5400e-003	4.5400e-003		4.5400e-003	4.5400e-003	0.0000	14.1705	14.1705	9.2000e-004	0.0000	14.1936
Total	**1.5362**	**0.0782**	**0.1007**	**1.6000e-004**		**4.5400e-003**	**4.5400e-003**		**4.5400e-003**	**4.5400e-003**	**0.0000**	**14.1705**	**14.1705**	**9.2000e-004**	**0.0000**	**14.1936**

3.6 Architectural Coatings - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0277	0.0198	0.2289	7.2000e-004	0.0779	5.7000e-004	0.0785	0.0207	5.3000e-004	0.0212	0.0000	65.5264	65.5264	1.6500e-003	0.0000	65.5677
Total	**0.0277**	**0.0198**	**0.2289**	**7.2000e-004**	**0.0779**	**5.7000e-004**	**0.0785**	**0.0207**	**5.3000e-004**	**0.0212**	**0.0000**	**65.5264**	**65.5264**	**1.6500e-003**	**0.0000**	**65.5677**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1150	0.2458	3.1992	0.0133	1.7549	0.0107	1.7656	0.4659	9.8300e-003	0.4757	0.0000	1,203.5080	1,203.5080	0.0211	0.0000	1,204.0349
Unmitigated	0.1150	0.2458	3.1992	0.0133	1.7549	0.0107	1.7656	0.4659	9.8300e-003	0.4757	0.0000	1,203.5080	1,203.5080	0.0211	0.0000	1,204.0349

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	572.95	572.95	572.95	4,706,914	4,706,914
Total	572.95	572.95	572.95	4,706,914	4,706,914

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 Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	24.20	24.20	24.20	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 Asphalt Surfaces	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Parking Lot	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Unrefrigerated Warehouse-No Rail	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

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	715.2869	715.2869	0.0156	3.4000e-003	716.6914
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	715.2869	715.2869	0.0156	3.4000e-003	716.6914
NaturalGas Mitigated	6.6000e-003	0.0600	0.0504	3.6000e-004		4.5600e-003	4.5600e-003		4.5600e-003	4.5600e-003	0.0000	65.3329	65.3329	1.2500e-003	1.2000e-003	65.7212
NaturalGas Unmitigated	6.6000e-003	0.0600	0.0504	3.6000e-004		4.5600e-003	4.5600e-003		4.5600e-003	4.5600e-003	0.0000	65.3329	65.3329	1.2500e-003	1.2000e-003	65.7212

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 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	1.22429e+006	6.6000e-003	0.0600	0.0504	3.6000e-004		4.5600e-003	4.5600e-003		4.5600e-003	4.5600e-003	0.0000	65.3329	65.3329	1.2500e-003	1.2000e-003	65.7212
Total		**6.6000e-003**	**0.0600**	**0.0504**	**3.6000e-004**		**4.5600e-003**	**4.5600e-003**		**4.5600e-003**	**4.5600e-003**	**0.0000**	**65.3329**	**65.3329**	**1.2500e-003**	**1.2000e-003**	**65.7212**

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 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	1.22429e+006	6.6000e-003	0.0600	0.0504	3.6000e-004		4.5600e-003	4.5600e-003		4.5600e-003	4.5600e-003	0.0000	65.3329	65.3329	1.2500e-003	1.2000e-003	65.7212
Total		**6.6000e-003**	**0.0600**	**0.0504**	**3.6000e-004**		**4.5600e-003**	**4.5600e-003**		**4.5600e-003**	**4.5600e-003**	**0.0000**	**65.3329**	**65.3329**	**1.2500e-003**	**1.2000e-003**	**65.7212**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76230	36.3619	8.0000e-004	1.7000e-004	36.4333
Unrefrigerated Warehouse-No Rail	1.42332e+006	678.9250	0.0149	3.2300e-003	680.2581
Total		**715.2869**	**0.0157**	**3.4000e-003**	**716.6914**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76230	36.3619	8.0000e-004	1.7000e-004	36.4333
Unrefrigerated Warehouse-No Rail	1.42332e+006	678.9250	0.0149	3.2300e-003	680.2581
Total		**715.2869**	**0.0157**	**3.4000e-003**	**716.6914**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.5314	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0155	0.0155	4.0000e-005	0.0000	0.0165
Unmitigated	2.5314	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0155	0.0155	4.0000e-005	0.0000	0.0165

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	0.2923					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.2384					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.4000e-004	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0155	0.0155	4.0000e-005	0.0000	0.0165
Total	**2.5314**	**7.0000e-005**	**7.9600e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0155**	**0.0155**	**4.0000e-005**	**0.0000**	**0.0165**

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	0.2923					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.2384					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.4000e-004	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0155	0.0155	4.0000e-005	0.0000	0.0165
Total	**2.5314**	**7.0000e-005**	**7.9600e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0155**	**0.0155**	**4.0000e-005**	**0.0000**	**0.0165**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	728.3853	3.6508	0.0891	846.2185
Unmitigated	728.3853	3.6508	0.0891	846.2185

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other 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	111.574 / 0	728.3853	3.6508	0.0891	846.2185
Total		**728.3853**	**3.6508**	**0.0891**	**846.2185**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other 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	111.574 / 0	728.3853	3.6508	0.0891	846.2185
Total		**728.3853**	**3.6508**	**0.0891**	**846.2185**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	86.3082	5.1007	0.0000	213.8249
Unmitigated	115.0776	6.8009	0.0000	285.0999

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other 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	566.91	115.0776	6.8009	0.0000	285.0999
Total		**115.0776**	**6.8009**	**0.0000**	**285.0999**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other 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	425.183	86.3082	5.1007	0.0000	213.8249
Total		**86.3082**	**5.1007**	**0.0000**	**213.8249**

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

9309 Sycamore Hills Distribution Center - Trucks

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	603.10	1000sqft	16.00	603,100.00	0
Other Asphalt Surfaces	16.00	Acre	16.00	696,960.00	0
Parking Lot	5.00	Acre	5.00	217,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2023
Utility Company	Riverside Public Utilities				
CO2 Intensity (lb/MWhr)	1051.61	**CH4 Intensity (lb/MWhr)**	0.023	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

9309 Sycamore Hills Distribution Center - Trucks - South Coast Air Basin, Annual

Project Characteristics - RPS - 33% goal by 2020, 18.4% accounted for in CalEEMod

Land Use - 37 acre site
603,100 sf

Construction Phase - Grading/Prliminary Road Construction - 3 months
Building Permit/Building Construction - 12 months

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - CalEEMod applies same worker/vendor trip rates to parking/asphalt surfaces as it does to office/industrial building construction, resulting in overestimate of actual trips. Default trips adjusted to reflect builing construction of buildings only

Grading -

Architectural Coating - SCAQMD Rule 1113 - Building Envelope and Non-Flat Coating limit = 50 g/L

Vehicle Trips - 847 ADT
Trucks - 274 (0.45 trips/ksf)
38.7 mile trip length

Area Coating -

Energy Use -

Water And Wastewater - CalGreen requires 20% reduction in indoor water use (111,573,500 gallons)

Construction Off-road Equipment Mitigation - 61% fugitive dust reduction associated with watering

Waste Mitigation -

Fleet Mix - Trucks only, mix per TIA

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstructionPhase	NumDays	55.00	111.00
tblConstructionPhase	NumDays	740.00	243.00

9309 Sycamore Hills Distribution Center - Trucks - South Coast Air Basin, Annual

tblConstructionPhase	NumDays	75.00	47.00
tblConstructionPhase	NumDays	55.00	18.00
tblConstructionPhase	NumDays	30.00	18.00
tblConstructionPhase	PhaseEndDate	11/27/2024	6/30/2022
tblConstructionPhase	PhaseEndDate	6/26/2024	6/6/2022
tblConstructionPhase	PhaseEndDate	8/25/2021	6/30/2021
tblConstructionPhase	PhaseEndDate	9/11/2024	6/30/2022
tblConstructionPhase	PhaseEndDate	5/12/2021	4/26/2021
tblConstructionPhase	PhaseStartDate	9/12/2024	1/27/2022
tblConstructionPhase	PhaseStartDate	8/26/2021	7/1/2021
tblConstructionPhase	PhaseStartDate	5/13/2021	4/27/2021
tblConstructionPhase	PhaseStartDate	6/27/2024	6/7/2022
tblFleetMix	HHD	0.03	0.37
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.17
tblFleetMix	LHD2	5.8470e-003	0.21
tblFleetMix	MCY	4.8220e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.6900e-004	0.00
tblFleetMix	MHD	0.02	0.25
tblFleetMix	OBUS	2.1100e-003	0.00
tblFleetMix	SBUS	7.1000e-004	0.00
tblFleetMix	UBUS	1.7690e-003	0.00
tblLandUse	LotAcreage	13.85	16.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023

tblProjectCharacteristics	CO2IntensityFactor	1325.65	1051.61
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	VendorTripNumber	249.00	99.00
tblTripsAndVMT	WorkerTripNumber	638.00	253.00
tblVehicleTrips	CC_TL	8.40	38.70
tblVehicleTrips	CNW_TL	6.90	38.70
tblVehicleTrips	CW_TL	16.60	38.70
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.68	0.45
tblVehicleTrips	SU_TR	1.68	0.45
tblVehicleTrips	WD_TR	1.68	0.45
tblWater	IndoorWaterUseRate	139,466,875.00	111,573,500.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3498	3.2944	2.7754	7.0400e-003	0.5977	0.1311	0.7288	0.2363	0.1219	0.3582	0.0000	635.4736	635.4736	0.1027	0.0000	638.0416
2022	1.7663	1.6114	1.9537	5.4000e-003	0.2681	0.0572	0.3253	0.0720	0.0540	0.1260	0.0000	489.3229	489.3229	0.0508	0.0000	490.5933
Maximum	**1.7663**	**3.2944**	**2.7754**	**7.0400e-003**	**0.5977**	**0.1311**	**0.7288**	**0.2363**	**0.1219**	**0.3582**	**0.0000**	**635.4736**	**635.4736**	**0.1027**	**0.0000**	**638.0416**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3498	3.2944	2.7754	7.0400e-003	0.3742	0.1311	0.5053	0.1302	0.1219	0.2521	0.0000	635.4732	635.4732	0.1027	0.0000	638.0413
2022	1.7663	1.6114	1.9537	5.4000e-003	0.2681	0.0572	0.3253	0.0720	0.0540	0.1260	0.0000	489.3228	489.3228	0.0508	0.0000	490.5931
Maximum	**1.7663**	**3.2944**	**2.7754**	**7.0400e-003**	**0.3742**	**0.1311**	**0.5053**	**0.1302**	**0.1219**	**0.2521**	**0.0000**	**635.4732**	**635.4732**	**0.1027**	**0.0000**	**638.0413**

	ROG	**NOx**	**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**	**25.82**	**0.00**	**21.20**	**34.41**	**0.00**	**21.91**	**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	**4-1-2021**	**6-30-2021**	1.5909	1.5909
2	**7-1-2021**	**9-30-2021**	1.0134	1.0134
3	**10-1-2021**	**12-31-2021**	1.0189	1.0189
4	**1-1-2022**	**3-31-2022**	1.5970	1.5970
5	**4-1-2022**	**6-30-2022**	1.7787	1.7787
		Highest	1.7787	1.7787

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	2.5314	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0155	0.0155	4.0000e-005	0.0000	0.0165
Energy	6.6000e-003	0.0600	0.0504	3.6000e-004		4.5600e-003	4.5600e-003		4.5600e-003	4.5600e-003	0.0000	780.6198	780.6198	0.0169	4.6000e-003	782.4126
Mobile	0.2951	6.7559	3.0128	0.0447	1.6875	0.0277	1.7152	0.4817	0.0265	0.5082	0.0000	4,316.1997	4,316.1997	0.1678	0.0000	4,320.3946
Waste						0.0000	0.0000		0.0000	0.0000	115.0776	0.0000	115.0776	6.8009	0.0000	285.0999
Water						0.0000	0.0000		0.0000	0.0000	35.3971	692.9882	728.3853	3.6508	0.0891	846.2185
Total	**2.8331**	**6.8160**	**3.0712**	**0.0451**	**1.6875**	**0.0323**	**1.7198**	**0.4817**	**0.0311**	**0.5128**	**150.4747**	**5,789.8232**	**5,940.2979**	**10.6364**	**0.0937**	**6,234.1421**

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	2.5314	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0155	0.0155	4.0000e-005	0.0000	0.0165
Energy	6.6000e-003	0.0600	0.0504	3.6000e-004		4.5600e-003	4.5600e-003		4.5600e-003	4.5600e-003	0.0000	780.6198	780.6198	0.0169	4.6000e-003	782.4126
Mobile	0.2951	6.7559	3.0128	0.0447	1.6875	0.0277	1.7152	0.4817	0.0265	0.5082	0.0000	4,316.1997	4,316.1997	0.1678	0.0000	4,320.3946
Waste						0.0000	0.0000		0.0000	0.0000	86.3082	0.0000	86.3082	5.1007	0.0000	213.8249
Water						0.0000	0.0000		0.0000	0.0000	35.3971	692.9882	728.3853	3.6508	0.0891	846.2185
Total	**2.8331**	**6.8160**	**3.0712**	**0.0451**	**1.6875**	**0.0323**	**1.7198**	**0.4817**	**0.0311**	**0.5128**	**121.7053**	**5,789.8232**	**5,911.5285**	**8.9362**	**0.0937**	**6,162.8672**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**19.12**	**0.00**	**0.48**	**15.98**	**0.00**	**1.14**

3.0 Construction Detail

Construction Phase

9309 Sycamore Hills Distribution Center - Trucks - South Coast Air Basin, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2021	4/26/2021	5	18	
2	Grading	Grading	4/27/2021	6/30/2021	5	47	
3	Building Construction	Building Construction	7/1/2021	6/6/2022	5	243	
4	Paving	Paving	6/7/2022	6/30/2022	5	18	
5	Architectural Coatings	Architectural Coating	1/27/2022	6/30/2022	5	111	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 117.5

Acres of Paving: 21

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 904,650; Non-Residential Outdoor: 301,550; Striped Parking Area: 54,886 (Architectural Coating – sqft)

OffRoad Equipment

9309 Sycamore Hills Distribution Center - Trucks - South Coast Air Basin, Annual

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	253.00	99.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coatings	1	128.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1626	0.0000	0.1626	0.0894	0.0000	0.0894	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0350	0.3645	0.1904	3.4000e-004		0.0184	0.0184		0.0169	0.0169	0.0000	30.0922	30.0922	9.7300e-003	0.0000	30.3355
Total	**0.0350**	**0.3645**	**0.1904**	**3.4000e-004**	**0.1626**	**0.0184**	**0.1810**	**0.0894**	**0.0169**	**0.1063**	**0.0000**	**30.0922**	**30.0922**	**9.7300e-003**	**0.0000**	**30.3355**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	5.0000e-004	5.6500e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.5498	1.5498	4.0000e-005	0.0000	1.5508
Total	**6.7000e-004**	**5.0000e-004**	**5.6500e-003**	**2.0000e-005**	**1.7800e-003**	**1.0000e-005**	**1.7900e-003**	**4.7000e-004**	**1.0000e-005**	**4.8000e-004**	**0.0000**	**1.5498**	**1.5498**	**4.0000e-005**	**0.0000**	**1.5508**

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					0.0634	0.0000	0.0634	0.0349	0.0000	0.0349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0350	0.3645	0.1904	3.4000e-004		0.0184	0.0184		0.0169	0.0169	0.0000	30.0921	30.0921	9.7300e-003	0.0000	30.3354
Total	**0.0350**	**0.3645**	**0.1904**	**3.4000e-004**	**0.0634**	**0.0184**	**0.0818**	**0.0349**	**0.0169**	**0.0518**	**0.0000**	**30.0921**	**30.0921**	**9.7300e-003**	**0.0000**	**30.3354**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	5.0000e-004	5.6500e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.5498	1.5498	4.0000e-005	0.0000	1.5508
Total	**6.7000e-004**	**5.0000e-004**	**5.6500e-003**	**2.0000e-005**	**1.7800e-003**	**1.0000e-005**	**1.7900e-003**	**4.7000e-004**	**1.0000e-005**	**4.8000e-004**	**0.0000**	**1.5498**	**1.5498**	**4.0000e-005**	**0.0000**	**1.5508**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2038	0.0000	0.2038	0.0845	0.0000	0.0845	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0985	1.0904	0.7256	1.4600e-003		0.0467	0.0467		0.0429	0.0429	0.0000	128.0632	128.0632	0.0414	0.0000	129.0987
Total	**0.0985**	**1.0904**	**0.7256**	**1.4600e-003**	**0.2038**	**0.0467**	**0.2505**	**0.0845**	**0.0429**	**0.1274**	**0.0000**	**128.0632**	**128.0632**	**0.0414**	**0.0000**	**129.0987**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9500e-003	1.4500e-003	0.0164	5.0000e-005	5.1600e-003	4.0000e-005	5.2000e-003	1.3700e-003	4.0000e-005	1.4100e-003	0.0000	4.4963	4.4963	1.2000e-004	0.0000	4.4993
Total	**1.9500e-003**	**1.4500e-003**	**0.0164**	**5.0000e-005**	**5.1600e-003**	**4.0000e-005**	**5.2000e-003**	**1.3700e-003**	**4.0000e-005**	**1.4100e-003**	**0.0000**	**4.4963**	**4.4963**	**1.2000e-004**	**0.0000**	**4.4993**

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					0.0795	0.0000	0.0795	0.0330	0.0000	0.0330	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0985	1.0904	0.7256	1.4600e-003		0.0467	0.0467		0.0429	0.0429	0.0000	128.0631	128.0631	0.0414	0.0000	129.0985
Total	**0.0985**	**1.0904**	**0.7256**	**1.4600e-003**	**0.0795**	**0.0467**	**0.1262**	**0.0330**	**0.0429**	**0.0759**	**0.0000**	**128.0631**	**128.0631**	**0.0414**	**0.0000**	**129.0985**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9500e-003	1.4500e-003	0.0164	5.0000e-005	5.1600e-003	4.0000e-005	5.2000e-003	1.3700e-003	4.0000e-005	1.4100e-003	0.0000	4.4963	4.4963	1.2000e-004	0.0000	4.4993
Total	**1.9500e-003**	**1.4500e-003**	**0.0164**	**5.0000e-005**	**5.1600e-003**	**4.0000e-005**	**5.2000e-003**	**1.3700e-003**	**4.0000e-005**	**1.4100e-003**	**0.0000**	**4.4963**	**4.4963**	**1.2000e-004**	**0.0000**	**4.4993**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1255	1.1505	1.0940	1.7800e-003		0.0633	0.0633		0.0595	0.0595	0.0000	152.8806	152.8806	0.0369	0.0000	153.8027
Total	**0.1255**	**1.1505**	**1.0940**	**1.7800e-003**		**0.0633**	**0.0633**		**0.0595**	**0.0595**	**0.0000**	**152.8806**	**152.8806**	**0.0369**	**0.0000**	**153.8027**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0188	0.6356	0.1606	1.6300e-003	0.0412	1.2900e-003	0.0425	0.0119	1.2400e-003	0.0131	0.0000	158.6498	158.6498	0.0102	0.0000	158.9055
Worker	0.0694	0.0515	0.5828	1.7700e-003	0.1832	1.3800e-003	0.1846	0.0487	1.2700e-003	0.0499	0.0000	159.7418	159.7418	4.3000e-003	0.0000	159.8492
Total	**0.0882**	**0.6871**	**0.7434**	**3.4000e-003**	**0.2244**	**2.6700e-003**	**0.2271**	**0.0605**	**2.5100e-003**	**0.0631**	**0.0000**	**318.3916**	**318.3916**	**0.0145**	**0.0000**	**318.7547**

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	0.1255	1.1505	1.0940	1.7800e-003		0.0633	0.0633		0.0595	0.0595	0.0000	152.8804	152.8804	0.0369	0.0000	153.8025
Total	**0.1255**	**1.1505**	**1.0940**	**1.7800e-003**		**0.0633**	**0.0633**		**0.0595**	**0.0595**	**0.0000**	**152.8804**	**152.8804**	**0.0369**	**0.0000**	**153.8025**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0188	0.6356	0.1606	1.6300e-003	0.0412	1.2900e-003	0.0425	0.0119	1.2400e-003	0.0131	0.0000	158.6498	158.6498	0.0102	0.0000	158.9055
Worker	0.0694	0.0515	0.5828	1.7700e-003	0.1832	1.3800e-003	0.1846	0.0487	1.2700e-003	0.0499	0.0000	159.7418	159.7418	4.3000e-003	0.0000	159.8492
Total	**0.0882**	**0.6871**	**0.7434**	**3.4000e-003**	**0.2244**	**2.6700e-003**	**0.2271**	**0.0605**	**2.5100e-003**	**0.0631**	**0.0000**	**318.3916**	**318.3916**	**0.0145**	**0.0000**	**318.7547**

3.4 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	0.0947	0.8667	0.9082	1.4900e-003		0.0449	0.0449		0.0422	0.0422	0.0000	128.6075	128.6075	0.0308	0.0000	129.3778
Total	**0.0947**	**0.8667**	**0.9082**	**1.4900e-003**		**0.0449**	**0.0449**		**0.0422**	**0.0422**	**0.0000**	**128.6075**	**128.6075**	**0.0308**	**0.0000**	**129.3778**

3.4 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	0.0148	0.5071	0.1279	1.3600e-003	0.0346	9.5000e-004	0.0356	9.9900e-003	9.1000e-004	0.0109	0.0000	132.2316	132.2316	8.3000e-003	0.0000	132.4391
Worker	0.0548	0.0391	0.4525	1.4300e-003	0.1541	1.1300e-003	0.1552	0.0409	1.0400e-003	0.0420	0.0000	129.5169	129.5169	3.2700e-003	0.0000	129.5986
Total	**0.0696**	**0.5463**	**0.5804**	**2.7900e-003**	**0.1887**	**2.0800e-003**	**0.1908**	**0.0509**	**1.9500e-003**	**0.0529**	**0.0000**	**261.7485**	**261.7485**	**0.0116**	**0.0000**	**262.0377**

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	0.0947	0.8667	0.9082	1.4900e-003		0.0449	0.0449		0.0422	0.0422	0.0000	128.6074	128.6074	0.0308	0.0000	129.3776
Total	**0.0947**	**0.8667**	**0.9082**	**1.4900e-003**		**0.0449**	**0.0449**		**0.0422**	**0.0422**	**0.0000**	**128.6074**	**128.6074**	**0.0308**	**0.0000**	**129.3776**

3.4 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	0.0148	0.5071	0.1279	1.3600e-003	0.0346	9.5000e-004	0.0356	9.9900e-003	9.1000e-004	0.0109	0.0000	132.2316	132.2316	8.3000e-003	0.0000	132.4391
Worker	0.0548	0.0391	0.4525	1.4300e-003	0.1541	1.1300e-003	0.1552	0.0409	1.0400e-003	0.0420	0.0000	129.5169	129.5169	3.2700e-003	0.0000	129.5986
Total	**0.0696**	**0.5463**	**0.5804**	**2.7900e-003**	**0.1887**	**2.0800e-003**	**0.1908**	**0.0509**	**1.9500e-003**	**0.0529**	**0.0000**	**261.7485**	**261.7485**	**0.0116**	**0.0000**	**262.0377**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.9300e-003	0.1001	0.1312	2.1000e-004		5.1100e-003	5.1100e-003		4.7000e-003	4.7000e-003	0.0000	18.0248	18.0248	5.8300e-003	0.0000	18.1705
Paving	0.0275					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0374**	**0.1001**	**0.1312**	**2.1000e-004**		**5.1100e-003**	**5.1100e-003**		**4.7000e-003**	**4.7000e-003**	**0.0000**	**18.0248**	**18.0248**	**5.8300e-003**	**0.0000**	**18.1705**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	3.8000e-004	4.3500e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2452	1.2452	3.0000e-005	0.0000	1.2460
Total	**5.3000e-004**	**3.8000e-004**	**4.3500e-003**	**1.0000e-005**	**1.4800e-003**	**1.0000e-005**	**1.4900e-003**	**3.9000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**1.2452**	**1.2452**	**3.0000e-005**	**0.0000**	**1.2460**

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	9.9300e-003	0.1001	0.1312	2.1000e-004		5.1100e-003	5.1100e-003		4.7000e-003	4.7000e-003	0.0000	18.0248	18.0248	5.8300e-003	0.0000	18.1705
Paving	0.0275					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0374**	**0.1001**	**0.1312**	**2.1000e-004**		**5.1100e-003**	**5.1100e-003**		**4.7000e-003**	**4.7000e-003**	**0.0000**	**18.0248**	**18.0248**	**5.8300e-003**	**0.0000**	**18.1705**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	3.8000e-004	4.3500e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2452	1.2452	3.0000e-005	0.0000	1.2460
Total	**5.3000e-004**	**3.8000e-004**	**4.3500e-003**	**1.0000e-005**	**1.4800e-003**	**1.0000e-005**	**1.4900e-003**	**3.9000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**1.2452**	**1.2452**	**3.0000e-005**	**0.0000**	**1.2460**

3.6 Architectural Coatings - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5249					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.0782	0.1007	1.6000e-004		4.5400e-003	4.5400e-003		4.5400e-003	4.5400e-003	0.0000	14.1706	14.1706	9.2000e-004	0.0000	14.1936
Total	**1.5362**	**0.0782**	**0.1007**	**1.6000e-004**		**4.5400e-003**	**4.5400e-003**		**4.5400e-003**	**4.5400e-003**	**0.0000**	**14.1706**	**14.1706**	**9.2000e-004**	**0.0000**	**14.1936**

3.6 Architectural Coatings - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0277	0.0198	0.2289	7.2000e-004	0.0779	5.7000e-004	0.0785	0.0207	5.3000e-004	0.0212	0.0000	65.5264	65.5264	1.6500e-003	0.0000	65.5677
Total	**0.0277**	**0.0198**	**0.2289**	**7.2000e-004**	**0.0779**	**5.7000e-004**	**0.0785**	**0.0207**	**5.3000e-004**	**0.0212**	**0.0000**	**65.5264**	**65.5264**	**1.6500e-003**	**0.0000**	**65.5677**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5249					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.0782	0.1007	1.6000e-004		4.5400e-003	4.5400e-003		4.5400e-003	4.5400e-003	0.0000	14.1705	14.1705	9.2000e-004	0.0000	14.1936
Total	**1.5362**	**0.0782**	**0.1007**	**1.6000e-004**		**4.5400e-003**	**4.5400e-003**		**4.5400e-003**	**4.5400e-003**	**0.0000**	**14.1705**	**14.1705**	**9.2000e-004**	**0.0000**	**14.1936**

3.6 Architectural Coatings - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0277	0.0198	0.2289	7.2000e-004	0.0779	5.7000e-004	0.0785	0.0207	5.3000e-004	0.0212	0.0000	65.5264	65.5264	1.6500e-003	0.0000	65.5677
Total	**0.0277**	**0.0198**	**0.2289**	**7.2000e-004**	**0.0779**	**5.7000e-004**	**0.0785**	**0.0207**	**5.3000e-004**	**0.0212**	**0.0000**	**65.5264**	**65.5264**	**1.6500e-003**	**0.0000**	**65.5677**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2951	6.7559	3.0128	0.0447	1.6875	0.0277	1.7152	0.4817	0.0265	0.5082	0.0000	4,316.1997	4,316.1997	0.1678	0.0000	4,320.3946
Unmitigated	0.2951	6.7559	3.0128	0.0447	1.6875	0.0277	1.7152	0.4817	0.0265	0.5082	0.0000	4,316.1997	4,316.1997	0.1678	0.0000	4,320.3946

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	271.40	271.40	271.40	3,823,087	3,823,087
Total	271.40	271.40	271.40	3,823,087	3,823,087

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 Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	38.70	38.70	38.70	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Parking Lot	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.167900	0.208000	0.254600	0.369500	0.000000	0.000000	0.000000	0.000000	0.000000

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	715.2869	715.2869	0.0156	3.4000e-003	716.6914
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	715.2869	715.2869	0.0156	3.4000e-003	716.6914
NaturalGas Mitigated	6.6000e-003	0.0600	0.0504	3.6000e-004		4.5600e-003	4.5600e-003		4.5600e-003	4.5600e-003	0.0000	65.3329	65.3329	1.2500e-003	1.2000e-003	65.7212
NaturalGas Unmitigated	6.6000e-003	0.0600	0.0504	3.6000e-004		4.5600e-003	4.5600e-003		4.5600e-003	4.5600e-003	0.0000	65.3329	65.3329	1.2500e-003	1.2000e-003	65.7212

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 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	1.22429e+006	6.6000e-003	0.0600	0.0504	3.6000e-004		4.5600e-003	4.5600e-003		4.5600e-003	4.5600e-003	0.0000	65.3329	65.3329	1.2500e-003	1.2000e-003	65.7212
Total		**6.6000e-003**	**0.0600**	**0.0504**	**3.6000e-004**		**4.5600e-003**	**4.5600e-003**		**4.5600e-003**	**4.5600e-003**	**0.0000**	**65.3329**	**65.3329**	**1.2500e-003**	**1.2000e-003**	**65.7212**

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 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	1.22429e+006	6.6000e-003	0.0600	0.0504	3.6000e-004		4.5600e-003	4.5600e-003		4.5600e-003	4.5600e-003	0.0000	65.3329	65.3329	1.2500e-003	1.2000e-003	65.7212
Total		**6.6000e-003**	**0.0600**	**0.0504**	**3.6000e-004**		**4.5600e-003**	**4.5600e-003**		**4.5600e-003**	**4.5600e-003**	**0.0000**	**65.3329**	**65.3329**	**1.2500e-003**	**1.2000e-003**	**65.7212**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76230	36.3619	8.0000e-004	1.7000e-004	36.4333
Unrefrigerated Warehouse-No Rail	1.42332e+006	678.9250	0.0149	3.2300e-003	680.2581
Total		**715.2869**	**0.0157**	**3.4000e-003**	**716.6914**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76230	36.3619	8.0000e-004	1.7000e-004	36.4333
Unrefrigerated Warehouse-No Rail	1.42332e+006	678.9250	0.0149	3.2300e-003	680.2581
Total		**715.2869**	**0.0157**	**3.4000e-003**	**716.6914**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.5314	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0155	0.0155	4.0000e-005	0.0000	0.0165
Unmitigated	2.5314	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0155	0.0155	4.0000e-005	0.0000	0.0165

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	0.2923					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.2384					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.4000e-004	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0155	0.0155	4.0000e-005	0.0000	0.0165
Total	**2.5314**	**7.0000e-005**	**7.9600e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0155**	**0.0155**	**4.0000e-005**	**0.0000**	**0.0165**

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	0.2923					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.2384					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.4000e-004	7.0000e-005	7.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0155	0.0155	4.0000e-005	0.0000	0.0165
Total	**2.5314**	**7.0000e-005**	**7.9600e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0155**	**0.0155**	**4.0000e-005**	**0.0000**	**0.0165**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	728.3853	3.6508	0.0891	846.2185
Unmitigated	728.3853	3.6508	0.0891	846.2185

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other 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	111.574 / 0	728.3853	3.6508	0.0891	846.2185
Total		**728.3853**	**3.6508**	**0.0891**	**846.2185**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other 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	111.574 / 0	728.3853	3.6508	0.0891	846.2185
Total		**728.3853**	**3.6508**	**0.0891**	**846.2185**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	86.3082	5.1007	0.0000	213.8249
Unmitigated	115.0776	6.8009	0.0000	285.0999

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other 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	566.91	115.0776	6.8009	0.0000	285.0999
Total		**115.0776**	**6.8009**	**0.0000**	**285.0999**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other 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	425.183	86.3082	5.1007	0.0000	213.8249
Total		**86.3082**	**5.1007**	**0.0000**	**213.8249**

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

9309 Sycamore Hills Distribution Center - Passenger Cars

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	603.10	1000sqft	16.00	603,100.00	0
Other Asphalt Surfaces	16.00	Acre	16.00	696,960.00	0
Parking Lot	5.00	Acre	5.00	217,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2023
Utility Company	Riverside Public Utilities				
CO2 Intensity (lb/MWhr)	1051.61	**CH4 Intensity (lb/MWhr)**	0.023	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

9309 Sycamore Hills Distribution Center - Passenger Cars - South Coast Air Basin, Summer

Project Characteristics - RPS - 33% goal by 2020, 18.4% accounted for in CalEEMod

Land Use - 37 acre site
603,100 sf

Construction Phase - Grading/Prliminary Road Construction - 3 months
Building Permit/Building Construction - 12 months

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - CalEEMod applies same worker/vendor trip rates to parking/asphalt surfaces as it does to office/industrial building construction, resulting in overestimate of actual trips. Default trips adjusted to reflect builing construction of buildings only

Grading -

Architectural Coating - SCAQMD Rule 1113 - Building Envelope and Non-Flat Coating limit = 50 g/L

Vehicle Trips - 847 ADT
Passenger cars - 573 (0.95 trips/ksf)
24.2 mile trip length

Area Coating -

Energy Use -

Water And Wastewater - CalGreen requires 20% reduction in indoor water use (111,573,500 gallons)

Construction Off-road Equipment Mitigation - 61% fugitive dust reduction associated with watering

Waste Mitigation -

Fleet Mix - Passenger cars only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstructionPhase	NumDays	55.00	111.00
tblConstructionPhase	NumDays	740.00	243.00

9309 Sycamore Hills Distribution Center - Passenger Cars - South Coast Air Basin, Summer

tblConstructionPhase	NumDays	75.00	47.00
tblConstructionPhase	NumDays	55.00	18.00
tblConstructionPhase	NumDays	30.00	18.00
tblConstructionPhase	PhaseEndDate	11/27/2024	6/30/2022
tblConstructionPhase	PhaseEndDate	6/26/2024	6/6/2022
tblConstructionPhase	PhaseEndDate	8/25/2021	6/30/2021
tblConstructionPhase	PhaseEndDate	9/11/2024	6/30/2022
tblConstructionPhase	PhaseEndDate	5/12/2021	4/26/2021
tblConstructionPhase	PhaseStartDate	9/12/2024	1/27/2022
tblConstructionPhase	PhaseStartDate	8/26/2021	7/1/2021
tblConstructionPhase	PhaseStartDate	5/13/2021	4/27/2021
tblConstructionPhase	PhaseStartDate	6/27/2024	6/7/2022
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	1.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.8470e-003	0.00
tblFleetMix	MCY	4.8220e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.6900e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.1100e-003	0.00
tblFleetMix	SBUS	7.1000e-004	0.00
tblFleetMix	UBUS	1.7690e-003	0.00
tblLandUse	LotAcreage	13.85	16.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023

tblProjectCharacteristics	CO2IntensityFactor	1325.65	1051.61
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	VendorTripNumber	249.00	99.00
tblTripsAndVMT	WorkerTripNumber	638.00	253.00
tblVehicleTrips	CC_TL	8.40	24.20
tblVehicleTrips	CNW_TL	6.90	24.20
tblVehicleTrips	CW_TL	16.60	24.20
tblVehicleTrips	ST_TR	1.68	0.95
tblVehicleTrips	SU_TR	1.68	0.95
tblVehicleTrips	WD_TR	1.68	0.95
tblWater	IndoorWaterUseRate	139,466,875.00	111,573,500.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2749	46.4544	31.6294	0.0801	18.2675	2.0460	20.3134	9.9840	1.8823	11.8663	0.0000	8,034.1797	8,034.1797	1.9488	0.0000	8,055.6107
2022	32.4008	26.9691	33.5857	0.0955	4.8922	0.9382	5.8304	1.3118	0.8872	2.1990	0.0000	9,558.9195	9,558.9195	0.8931	0.0000	9,581.2465
Maximum	**32.4008**	**46.4544**	**33.5857**	**0.0955**	**18.2675**	**2.0460**	**20.3134**	**9.9840**	**1.8823**	**11.8663**	**0.0000**	**9,558.9195**	**9,558.9195**	**1.9488**	**0.0000**	**9,581.2465**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2749	46.4544	31.6294	0.0801	7.2470	2.0460	9.2930	3.9263	1.8823	5.8086	0.0000	8,034.1797	8,034.1797	1.9488	0.0000	8,055.6107
2022	32.4008	26.9691	33.5857	0.0955	4.8922	0.9382	5.8304	1.3118	0.8872	2.1990	0.0000	9,558.9195	9,558.9195	0.8931	0.0000	9,581.2465
Maximum	**32.4008**	**46.4544**	**33.5857**	**0.0955**	**7.2470**	**2.0460**	**9.2930**	**3.9263**	**1.8823**	**5.8086**	**0.0000**	**9,558.9195**	**9,558.9195**	**1.9488**	**0.0000**	**9,581.2465**

	ROG	**NOx**	**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**	**47.58**	**0.00**	**42.15**	**53.63**	**0.00**	**43.07**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	13.8727	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Energy	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
Mobile	0.6922	1.2008	19.2963	0.0769	9.8239	0.0587	9.8826	2.6042	0.0541	2.6583		7,674.0726	7,674.0726	0.1357		7,677.4638
Total	**14.6011**	**1.5302**	**19.6363**	**0.0789**	**9.8239**	**0.0839**	**9.9078**	**2.6042**	**0.0793**	**2.6835**		**8,068.8242**	**8,068.8242**	**0.1436**	**7.2300e-003**	**8,074.5694**

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	13.8727	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Energy	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
Mobile	0.6922	1.2008	19.2963	0.0769	9.8239	0.0587	9.8826	2.6042	0.0541	2.6583		7,674.0726	7,674.0726	0.1357		7,677.4638
Total	**14.6011**	**1.5302**	**19.6363**	**0.0789**	**9.8239**	**0.0839**	**9.9078**	**2.6042**	**0.0793**	**2.6835**		**8,068.8242**	**8,068.8242**	**0.1436**	**7.2300e-003**	**8,074.5694**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2021	4/26/2021	5	18	
2	Grading	Grading	4/27/2021	6/30/2021	5	47	
3	Building Construction	Building Construction	7/1/2021	6/6/2022	5	243	
4	Paving	Paving	6/7/2022	6/30/2022	5	18	
5	Architectural Coatings	Architectural Coating	1/27/2022	6/30/2022	5	111	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 117.5

Acres of Paving: 21

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 904,650; Non-Residential Outdoor: 301,550; Striped Parking Area: 54,886 (Architectural Coating – sqft)

OffRoad Equipment

9309 Sycamore Hills Distribution Center - Passenger Cars - South Coast Air Basin, Summer

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	253.00	99.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coatings	1	128.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0753	0.0491	0.6758	2.0000e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		199.2417	199.2417	5.3700e-003		199.3759
Total	**0.0753**	**0.0491**	**0.6758**	**2.0000e-003**	**0.2012**	**1.4900e-003**	**0.2027**	**0.0534**	**1.3700e-003**	**0.0547**		**199.2417**	**199.2417**	**5.3700e-003**		**199.3759**

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**7.0458**	**2.0445**	**9.0903**	**3.8730**	**1.8809**	**5.7539**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0753	0.0491	0.6758	2.0000e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		199.2417	199.2417	5.3700e-003		199.3759
Total	**0.0753**	**0.0491**	**0.6758**	**2.0000e-003**	**0.2012**	**1.4900e-003**	**0.2027**	**0.0534**	**1.3700e-003**	**0.0547**		**199.2417**	**199.2417**	**5.3700e-003**		**199.3759**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0837	0.0546	0.7509	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.3797	221.3797	5.9700e-003		221.5288
Total	**0.0837**	**0.0546**	**0.7509**	**2.2200e-003**	**0.2236**	**1.6500e-003**	**0.2252**	**0.0593**	**1.5200e-003**	**0.0608**		**221.3797**	**221.3797**	**5.9700e-003**		**221.5288**

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					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**3.3826**	**1.9853**	**5.3679**	**1.4026**	**1.8265**	**3.2292**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0837	0.0546	0.7509	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.3797	221.3797	5.9700e-003		221.5288
Total	**0.0837**	**0.0546**	**0.7509**	**2.2200e-003**	**0.2236**	**1.6500e-003**	**0.2252**	**0.0593**	**1.5200e-003**	**0.0608**		**221.3797**	**221.3797**	**5.9700e-003**		**221.5288**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

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

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2785	9.4810	2.3021	0.0251	0.6335	0.0194	0.6528	0.1824	0.0185	0.2009		2,680.3631	2,680.3631	0.1658		2,684.5068
Worker	1.0588	0.6906	9.4994	0.0281	2.8279	0.0209	2.8489	0.7500	0.0193	0.7693		2,800.4527	2,800.4527	0.0755		2,802.3396
Total	**1.3374**	**10.1716**	**11.8015**	**0.0532**	**3.4614**	**0.0403**	**3.5017**	**0.9323**	**0.0378**	**0.9701**		**5,480.8158**	**5,480.8158**	**0.2412**		**5,486.8464**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2785	9.4810	2.3021	0.0251	0.6335	0.0194	0.6528	0.1824	0.0185	0.2009		2,680.3631	2,680.3631	0.1658		2,684.5068
Worker	1.0588	0.6906	9.4994	0.0281	2.8279	0.0209	2.8489	0.7500	0.0193	0.7693		2,800.4527	2,800.4527	0.0755		2,802.3396
Total	**1.3374**	**10.1716**	**11.8015**	**0.0532**	**3.4614**	**0.0403**	**3.5017**	**0.9323**	**0.0378**	**0.9701**		**5,480.8158**	**5,480.8158**	**0.2412**		**5,486.8464**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

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

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2614	9.0054	2.1797	0.0248	0.6335	0.0168	0.6503	0.1824	0.0161	0.1985		2,656.8653	2,656.8653	0.1601		2,660.8666
Worker	0.9933	0.6239	8.7846	0.0271	2.8279	0.0203	2.8483	0.7500	0.0187	0.7687		2,700.1758	2,700.1758	0.0682		2,701.8816
Total	**1.2547**	**9.6293**	**10.9643**	**0.0519**	**3.4614**	**0.0372**	**3.4986**	**0.9323**	**0.0348**	**0.9672**		**5,357.0410**	**5,357.0410**	**0.2283**		**5,362.7482**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2614	9.0054	2.1797	0.0248	0.6335	0.0168	0.6503	0.1824	0.0161	0.1985		2,656.8653	2,656.8653	0.1601		2,660.8666
Worker	0.9933	0.6239	8.7846	0.0271	2.8279	0.0203	2.8483	0.7500	0.0187	0.7687		2,700.1758	2,700.1758	0.0682		2,701.8816
Total	**1.2547**	**9.6293**	**10.9643**	**0.0519**	**3.4614**	**0.0372**	**3.4986**	**0.9323**	**0.0348**	**0.9672**		**5,357.0410**	**5,357.0410**	**0.2283**		**5,362.7482**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	3.0567					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.1595**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0370	0.5208	1.6100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		160.0895	160.0895	4.0500e-003		160.1906
Total	**0.0589**	**0.0370**	**0.5208**	**1.6100e-003**	**0.1677**	**1.2100e-003**	**0.1689**	**0.0445**	**1.1100e-003**	**0.0456**		**160.0895**	**160.0895**	**4.0500e-003**		**160.1906**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	3.0567					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.1595**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0370	0.5208	1.6100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		160.0895	160.0895	4.0500e-003		160.1906
Total	**0.0589**	**0.0370**	**0.5208**	**1.6100e-003**	**0.1677**	**1.2100e-003**	**0.1689**	**0.0445**	**1.1100e-003**	**0.0456**		**160.0895**	**160.0895**	**4.0500e-003**		**160.1906**

3.6 Architectural Coatings - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.4754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**27.6799**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coatings - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5026	0.3157	4.4444	0.0137	1.4307	0.0103	1.4410	0.3794	9.4700e-003	0.3889		1,366.0968	1,366.0968	0.0345		1,366.9599
Total	**0.5026**	**0.3157**	**4.4444**	**0.0137**	**1.4307**	**0.0103**	**1.4410**	**0.3794**	**9.4700e-003**	**0.3889**		**1,366.0968**	**1,366.0968**	**0.0345**		**1,366.9599**

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	27.4754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**27.6799**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coatings - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5026	0.3157	4.4444	0.0137	1.4307	0.0103	1.4410	0.3794	9.4700e-003	0.3889		1,366.0968	1,366.0968	0.0345		1,366.9599
Total	**0.5026**	**0.3157**	**4.4444**	**0.0137**	**1.4307**	**0.0103**	**1.4410**	**0.3794**	**9.4700e-003**	**0.3889**		**1,366.0968**	**1,366.0968**	**0.0345**		**1,366.9599**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6922	1.2008	19.2963	0.0769	9.8239	0.0587	9.8826	2.6042	0.0541	2.6583		7,674.0726	7,674.0726	0.1357		7,677.4638
Unmitigated	0.6922	1.2008	19.2963	0.0769	9.8239	0.0587	9.8826	2.6042	0.0541	2.6583		7,674.0726	7,674.0726	0.1357		7,677.4638

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	572.95	572.95	572.95	4,706,914	4,706,914
Total	572.95	572.95	572.95	4,706,914	4,706,914

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 Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	24.20	24.20	24.20	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 Asphalt Surfaces	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Parking Lot	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Unrefrigerated Warehouse-No Rail	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
NaturalGas Unmitigated	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600

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 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	3354.23	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
Total		**0.0362**	**0.3289**	**0.2762**	**1.9700e-003**		**0.0250**	**0.0250**		**0.0250**	**0.0250**		**394.6150**	**394.6150**	**7.5600e-003**	**7.2300e-003**	**396.9600**

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 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	3.35423	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
Total		**0.0362**	**0.3289**	**0.2762**	**1.9700e-003**		**0.0250**	**0.0250**		**0.0250**	**0.0250**		**394.6150**	**394.6150**	**7.5600e-003**	**7.2300e-003**	**396.9600**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	13.8727	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Unmitigated	13.8727	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455

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	1.6014					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.2654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.9000e-003	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Total	**13.8727**	**5.8000e-004**	**0.0637**	**0.0000**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**		**0.1366**	**0.1366**	**3.6000e-004**		**0.1455**

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	1.6014					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.2654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.9000e-003	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Total	**13.8727**	**5.8000e-004**	**0.0637**	**0.0000**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**		**0.1366**	**0.1366**	**3.6000e-004**		**0.1455**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

9309 Sycamore Hills Distribution Center - Trucks

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	603.10	1000sqft	16.00	603,100.00	0
Other Asphalt Surfaces	16.00	Acre	16.00	696,960.00	0
Parking Lot	5.00	Acre	5.00	217,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2023
Utility Company	Riverside Public Utilities				
CO2 Intensity (lb/MWhr)	1051.61	**CH4 Intensity (lb/MWhr)**	0.023	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

9309 Sycamore Hills Distribution Center - Trucks - South Coast Air Basin, Summer

Project Characteristics - RPS - 33% goal by 2020, 18.4% accounted for in CalEEMod

Land Use - 37 acre site
603,100 sf

Construction Phase - Grading/Prliminary Road Construction - 3 months
Building Permit/Building Construction - 12 months

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - CalEEMod applies same worker/vendor trip rates to parking/asphalt surfaces as it does to office/industrial building construction, resulting in overestimate of actual trips. Default trips adjusted to reflect builing construction of buildings only

Grading -

Architectural Coating - SCAQMD Rule 1113 - Building Envelope and Non-Flat Coating limit = 50 g/L

Vehicle Trips - 847 ADT
Trucks - 274 (0.45 trips/ksf)
38.7 mile trip length

Area Coating -

Energy Use -

Water And Wastewater - CalGreen requires 20% reduction in indoor water use (111,573,500 gallons)

Construction Off-road Equipment Mitigation - 61% fugitive dust reduction associated with watering

Waste Mitigation -

Fleet Mix - Trucks only, mix per TIA

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstructionPhase	NumDays	55.00	111.00
tblConstructionPhase	NumDays	740.00	243.00

9309 Sycamore Hills Distribution Center - Trucks - South Coast Air Basin, Summer

tblConstructionPhase	NumDays	75.00	47.00
tblConstructionPhase	NumDays	55.00	18.00
tblConstructionPhase	NumDays	30.00	18.00
tblConstructionPhase	PhaseEndDate	11/27/2024	6/30/2022
tblConstructionPhase	PhaseEndDate	6/26/2024	6/6/2022
tblConstructionPhase	PhaseEndDate	8/25/2021	6/30/2021
tblConstructionPhase	PhaseEndDate	9/11/2024	6/30/2022
tblConstructionPhase	PhaseEndDate	5/12/2021	4/26/2021
tblConstructionPhase	PhaseStartDate	9/12/2024	1/27/2022
tblConstructionPhase	PhaseStartDate	8/26/2021	7/1/2021
tblConstructionPhase	PhaseStartDate	5/13/2021	4/27/2021
tblConstructionPhase	PhaseStartDate	6/27/2024	6/7/2022
tblFleetMix	HHD	0.03	0.37
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.17
tblFleetMix	LHD2	5.8470e-003	0.21
tblFleetMix	MCY	4.8220e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.6900e-004	0.00
tblFleetMix	MHD	0.02	0.25
tblFleetMix	OBUS	2.1100e-003	0.00
tblFleetMix	SBUS	7.1000e-004	0.00
tblFleetMix	UBUS	1.7690e-003	0.00
tblLandUse	LotAcreage	13.85	16.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023

tblProjectCharacteristics	CO2IntensityFactor	1325.65	1051.61
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	VendorTripNumber	249.00	99.00
tblTripsAndVMT	WorkerTripNumber	638.00	253.00
tblVehicleTrips	CC_TL	8.40	38.70
tblVehicleTrips	CNW_TL	6.90	38.70
tblVehicleTrips	CW_TL	16.60	38.70
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.68	0.45
tblVehicleTrips	SU_TR	1.68	0.45
tblVehicleTrips	WD_TR	1.68	0.45
tblWater	IndoorWaterUseRate	139,466,875.00	111,573,500.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2749	46.4544	31.6294	0.0801	18.2675	2.0460	20.3134	9.9840	1.8823	11.8663	0.0000	8,034.1797	8,034.1797	1.9488	0.0000	8,055.6107
2022	32.4008	26.9691	33.5857	0.0955	4.8922	0.9382	5.8304	1.3118	0.8872	2.1990	0.0000	9,558.9195	9,558.9195	0.8931	0.0000	9,581.2465
Maximum	**32.4008**	**46.4544**	**33.5857**	**0.0955**	**18.2675**	**2.0460**	**20.3134**	**9.9840**	**1.8823**	**11.8663**	**0.0000**	**9,558.9195**	**9,558.9195**	**1.9488**	**0.0000**	**9,581.2465**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2749	46.4544	31.6294	0.0801	7.2470	2.0460	9.2930	3.9263	1.8823	5.8086	0.0000	8,034.1797	8,034.1797	1.9488	0.0000	8,055.6107
2022	32.4008	26.9691	33.5857	0.0955	4.8922	0.9382	5.8304	1.3118	0.8872	2.1990	0.0000	9,558.9195	9,558.9195	0.8931	0.0000	9,581.2465
Maximum	**32.4008**	**46.4544**	**33.5857**	**0.0955**	**7.2470**	**2.0460**	**9.2930**	**3.9263**	**1.8823**	**5.8086**	**0.0000**	**9,558.9195**	**9,558.9195**	**1.9488**	**0.0000**	**9,581.2465**

	ROG	**NOx**	**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**	**47.58**	**0.00**	**42.15**	**53.63**	**0.00**	**43.07**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	13.8727	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Energy	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
Mobile	1.6148	35.6706	16.4870	0.2465	9.4194	0.1522	9.5715	2.6828	0.1454	2.8282		26,231.3235	26,231.3235	1.0112		26,256.6037
Total	**15.5237**	**36.0001**	**16.8269**	**0.2485**	**9.4194**	**0.1774**	**9.5967**	**2.6828**	**0.1706**	**2.8535**		**26,626.0751**	**26,626.0751**	**1.0191**	**7.2300e-003**	**26,653.7092**

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	13.8727	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Energy	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
Mobile	1.6148	35.6706	16.4870	0.2465	9.4194	0.1522	9.5715	2.6828	0.1454	2.8282		26,231.3235	26,231.3235	1.0112		26,256.6037
Total	**15.5237**	**36.0001**	**16.8269**	**0.2485**	**9.4194**	**0.1774**	**9.5967**	**2.6828**	**0.1706**	**2.8535**		**26,626.0751**	**26,626.0751**	**1.0191**	**7.2300e-003**	**26,653.7092**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2021	4/26/2021	5	18	
2	Grading	Grading	4/27/2021	6/30/2021	5	47	
3	Building Construction	Building Construction	7/1/2021	6/6/2022	5	243	
4	Paving	Paving	6/7/2022	6/30/2022	5	18	
5	Architectural Coatings	Architectural Coating	1/27/2022	6/30/2022	5	111	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 117.5

Acres of Paving: 21

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 904,650; Non-Residential Outdoor: 301,550; Striped Parking Area: 54,886 (Architectural Coating – sqft)

OffRoad Equipment

9309 Sycamore Hills Distribution Center - Trucks - South Coast Air Basin, Summer

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	253.00	99.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coatings	1	128.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0753	0.0491	0.6758	2.0000e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		199.2417	199.2417	5.3700e-003		199.3759
Total	**0.0753**	**0.0491**	**0.6758**	**2.0000e-003**	**0.2012**	**1.4900e-003**	**0.2027**	**0.0534**	**1.3700e-003**	**0.0547**		**199.2417**	**199.2417**	**5.3700e-003**		**199.3759**

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**7.0458**	**2.0445**	**9.0903**	**3.8730**	**1.8809**	**5.7539**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0753	0.0491	0.6758	2.0000e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		199.2417	199.2417	5.3700e-003		199.3759
Total	**0.0753**	**0.0491**	**0.6758**	**2.0000e-003**	**0.2012**	**1.4900e-003**	**0.2027**	**0.0534**	**1.3700e-003**	**0.0547**		**199.2417**	**199.2417**	**5.3700e-003**		**199.3759**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0837	0.0546	0.7509	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.3797	221.3797	5.9700e-003		221.5288
Total	**0.0837**	**0.0546**	**0.7509**	**2.2200e-003**	**0.2236**	**1.6500e-003**	**0.2252**	**0.0593**	**1.5200e-003**	**0.0608**		**221.3797**	**221.3797**	**5.9700e-003**		**221.5288**

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					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**3.3826**	**1.9853**	**5.3679**	**1.4026**	**1.8265**	**3.2292**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0837	0.0546	0.7509	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.3797	221.3797	5.9700e-003		221.5288
Total	**0.0837**	**0.0546**	**0.7509**	**2.2200e-003**	**0.2236**	**1.6500e-003**	**0.2252**	**0.0593**	**1.5200e-003**	**0.0608**		**221.3797**	**221.3797**	**5.9700e-003**		**221.5288**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

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

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2785	9.4810	2.3021	0.0251	0.6335	0.0194	0.6528	0.1824	0.0185	0.2009		2,680.3631	2,680.3631	0.1658		2,684.5068
Worker	1.0588	0.6906	9.4994	0.0281	2.8279	0.0209	2.8489	0.7500	0.0193	0.7693		2,800.4527	2,800.4527	0.0755		2,802.3396
Total	**1.3374**	**10.1716**	**11.8015**	**0.0532**	**3.4614**	**0.0403**	**3.5017**	**0.9323**	**0.0378**	**0.9701**		**5,480.8158**	**5,480.8158**	**0.2412**		**5,486.8464**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2785	9.4810	2.3021	0.0251	0.6335	0.0194	0.6528	0.1824	0.0185	0.2009		2,680.3631	2,680.3631	0.1658		2,684.5068
Worker	1.0588	0.6906	9.4994	0.0281	2.8279	0.0209	2.8489	0.7500	0.0193	0.7693		2,800.4527	2,800.4527	0.0755		2,802.3396
Total	**1.3374**	**10.1716**	**11.8015**	**0.0532**	**3.4614**	**0.0403**	**3.5017**	**0.9323**	**0.0378**	**0.9701**		**5,480.8158**	**5,480.8158**	**0.2412**		**5,486.8464**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

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

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2614	9.0054	2.1797	0.0248	0.6335	0.0168	0.6503	0.1824	0.0161	0.1985		2,656.8653	2,656.8653	0.1601		2,660.8666
Worker	0.9933	0.6239	8.7846	0.0271	2.8279	0.0203	2.8483	0.7500	0.0187	0.7687		2,700.1758	2,700.1758	0.0682		2,701.8816
Total	**1.2547**	**9.6293**	**10.9643**	**0.0519**	**3.4614**	**0.0372**	**3.4986**	**0.9323**	**0.0348**	**0.9672**		**5,357.0410**	**5,357.0410**	**0.2283**		**5,362.7482**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2614	9.0054	2.1797	0.0248	0.6335	0.0168	0.6503	0.1824	0.0161	0.1985		2,656.8653	2,656.8653	0.1601		2,660.8666
Worker	0.9933	0.6239	8.7846	0.0271	2.8279	0.0203	2.8483	0.7500	0.0187	0.7687		2,700.1758	2,700.1758	0.0682		2,701.8816
Total	**1.2547**	**9.6293**	**10.9643**	**0.0519**	**3.4614**	**0.0372**	**3.4986**	**0.9323**	**0.0348**	**0.9672**		**5,357.0410**	**5,357.0410**	**0.2283**		**5,362.7482**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	3.0567					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.1595**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0370	0.5208	1.6100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		160.0895	160.0895	4.0500e-003		160.1906
Total	**0.0589**	**0.0370**	**0.5208**	**1.6100e-003**	**0.1677**	**1.2100e-003**	**0.1689**	**0.0445**	**1.1100e-003**	**0.0456**		**160.0895**	**160.0895**	**4.0500e-003**		**160.1906**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	3.0567					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.1595**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0370	0.5208	1.6100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		160.0895	160.0895	4.0500e-003		160.1906
Total	**0.0589**	**0.0370**	**0.5208**	**1.6100e-003**	**0.1677**	**1.2100e-003**	**0.1689**	**0.0445**	**1.1100e-003**	**0.0456**		**160.0895**	**160.0895**	**4.0500e-003**		**160.1906**

3.6 Architectural Coatings - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.4754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**27.6799**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coatings - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5026	0.3157	4.4444	0.0137	1.4307	0.0103	1.4410	0.3794	9.4700e-003	0.3889		1,366.0968	1,366.0968	0.0345		1,366.9599
Total	**0.5026**	**0.3157**	**4.4444**	**0.0137**	**1.4307**	**0.0103**	**1.4410**	**0.3794**	**9.4700e-003**	**0.3889**		**1,366.0968**	**1,366.0968**	**0.0345**		**1,366.9599**

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	27.4754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**27.6799**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coatings - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5026	0.3157	4.4444	0.0137	1.4307	0.0103	1.4410	0.3794	9.4700e-003	0.3889		1,366.0968	1,366.0968	0.0345		1,366.9599
Total	**0.5026**	**0.3157**	**4.4444**	**0.0137**	**1.4307**	**0.0103**	**1.4410**	**0.3794**	**9.4700e-003**	**0.3889**		**1,366.0968**	**1,366.0968**	**0.0345**		**1,366.9599**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.6148	35.6706	16.4870	0.2465	9.4194	0.1522	9.5715	2.6828	0.1454	2.8282		26,231.3235	26,231.3235	1.0112		26,256.6037
Unmitigated	1.6148	35.6706	16.4870	0.2465	9.4194	0.1522	9.5715	2.6828	0.1454	2.8282		26,231.3235	26,231.3235	1.0112		26,256.6037

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	271.40	271.40	271.40	3,823,087	3,823,087
Total	271.40	271.40	271.40	3,823,087	3,823,087

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 Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	38.70	38.70	38.70	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Parking Lot	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.167900	0.208000	0.254600	0.369500	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
NaturalGas Unmitigated	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600

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 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	3354.23	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
Total		**0.0362**	**0.3289**	**0.2762**	**1.9700e-003**		**0.0250**	**0.0250**		**0.0250**	**0.0250**		**394.6150**	**394.6150**	**7.5600e-003**	**7.2300e-003**	**396.9600**

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 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	3.35423	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
Total		**0.0362**	**0.3289**	**0.2762**	**1.9700e-003**		**0.0250**	**0.0250**		**0.0250**	**0.0250**		**394.6150**	**394.6150**	**7.5600e-003**	**7.2300e-003**	**396.9600**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	13.8727	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Unmitigated	13.8727	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455

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	1.6014					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.2654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.9000e-003	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Total	**13.8727**	**5.8000e-004**	**0.0637**	**0.0000**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**		**0.1366**	**0.1366**	**3.6000e-004**		**0.1455**

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	1.6014					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.2654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.9000e-003	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Total	**13.8727**	**5.8000e-004**	**0.0637**	**0.0000**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**		**0.1366**	**0.1366**	**3.6000e-004**		**0.1455**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

9309 Sycamore Hills Distribution Center - Passenger Cars

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	603.10	1000sqft	16.00	603,100.00	0
Other Asphalt Surfaces	16.00	Acre	16.00	696,960.00	0
Parking Lot	5.00	Acre	5.00	217,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2023
Utility Company	Riverside Public Utilities				
CO2 Intensity (lb/MWhr)	1051.61	**CH4 Intensity (lb/MWhr)**	0.023	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

9309 Sycamore Hills Distribution Center - Passenger Cars - South Coast Air Basin, Winter

Project Characteristics - RPS - 33% goal by 2020, 18.4% accounted for in CalEEMod

Land Use - 37 acre site
603,100 sf

Construction Phase - Grading/Prliminary Road Construction - 3 months
Building Permit/Building Construction - 12 months

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - CalEEMod applies same worker/vendor trip rates to parking/asphalt surfaces as it does to office/industrial building construction, resulting in overestimate of actual trips. Default trips adjusted to reflect builing construction of buildings only

Grading -

Architectural Coating - SCAQMD Rule 1113 - Building Envelope and Non-Flat Coating limit = 50 g/L

Vehicle Trips - 847 ADT
Passenger cars - 573 (0.95 trips/ksf)
24.2 mile trip length

Area Coating -

Energy Use -

Water And Wastewater - CalGreen requires 20% reduction in indoor water use (111,573,500 gallons)

Construction Off-road Equipment Mitigation - 61% fugitive dust reduction associated with watering

Waste Mitigation -

Fleet Mix - Passenger cars only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstructionPhase	NumDays	55.00	111.00
tblConstructionPhase	NumDays	740.00	243.00

9309 Sycamore Hills Distribution Center - Passenger Cars - South Coast Air Basin, Winter

tblConstructionPhase	NumDays	75.00	47.00
tblConstructionPhase	NumDays	55.00	18.00
tblConstructionPhase	NumDays	30.00	18.00
tblConstructionPhase	PhaseEndDate	11/27/2024	6/30/2022
tblConstructionPhase	PhaseEndDate	6/26/2024	6/6/2022
tblConstructionPhase	PhaseEndDate	8/25/2021	6/30/2021
tblConstructionPhase	PhaseEndDate	9/11/2024	6/30/2022
tblConstructionPhase	PhaseEndDate	5/12/2021	4/26/2021
tblConstructionPhase	PhaseStartDate	9/12/2024	1/27/2022
tblConstructionPhase	PhaseStartDate	8/26/2021	7/1/2021
tblConstructionPhase	PhaseStartDate	5/13/2021	4/27/2021
tblConstructionPhase	PhaseStartDate	6/27/2024	6/7/2022
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	1.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.8470e-003	0.00
tblFleetMix	MCY	4.8220e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.6900e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.1100e-003	0.00
tblFleetMix	SBUS	7.1000e-004	0.00
tblFleetMix	UBUS	1.7690e-003	0.00
tblLandUse	LotAcreage	13.85	16.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023

tblProjectCharacteristics	CO2IntensityFactor	1325.65	1051.61
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	VendorTripNumber	249.00	99.00
tblTripsAndVMT	WorkerTripNumber	638.00	253.00
tblVehicleTrips	CC_TL	8.40	24.20
tblVehicleTrips	CNW_TL	6.90	24.20
tblVehicleTrips	CW_TL	16.60	24.20
tblVehicleTrips	ST_TR	1.68	0.95
tblVehicleTrips	SU_TR	1.68	0.95
tblVehicleTrips	WD_TR	1.68	0.95
tblWater	IndoorWaterUseRate	139,466,875.00	111,573,500.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2834	46.4598	31.5582	0.0777	18.2675	2.0460	20.3134	9.9840	1.8823	11.8663	0.0000	7,787.2868	7,787.2868	1.9484	0.0000	7,808.8816
2022	32.4596	27.0334	32.5542	0.0923	4.8922	0.9387	5.8309	1.3118	0.8877	2.1995	0.0000	9,233.6299	9,233.6299	0.8973	0.0000	9,256.0617
Maximum	**32.4596**	**46.4598**	**32.5542**	**0.0923**	**18.2675**	**2.0460**	**20.3134**	**9.9840**	**1.8823**	**11.8663**	**0.0000**	**9,233.6299**	**9,233.6299**	**1.9484**	**0.0000**	**9,256.0617**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2834	46.4598	31.5582	0.0777	7.2470	2.0460	9.2930	3.9263	1.8823	5.8086	0.0000	7,787.2868	7,787.2868	1.9484	0.0000	7,808.8816
2022	32.4596	27.0334	32.5542	0.0923	4.8922	0.9387	5.8309	1.3118	0.8877	2.1995	0.0000	9,233.6299	9,233.6299	0.8973	0.0000	9,256.0617
Maximum	**32.4596**	**46.4598**	**32.5542**	**0.0923**	**7.2470**	**2.0460**	**9.2930**	**3.9263**	**1.8823**	**5.8086**	**0.0000**	**9,233.6299**	**9,233.6299**	**1.9484**	**0.0000**	**9,256.0617**

	ROG	**NOx**	**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**	**47.58**	**0.00**	**42.15**	**53.63**	**0.00**	**43.07**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	13.8727	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Energy	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
Mobile	0.6402	1.3108	17.0546	0.0719	9.8239	0.0587	9.8826	2.6042	0.0541	2.6583		7,182.1385	7,182.1385	0.1255		7,185.2757
Total	**14.5491**	**1.6402**	**17.3945**	**0.0739**	**9.8239**	**0.0839**	**9.9078**	**2.6042**	**0.0793**	**2.6835**		**7,576.8901**	**7,576.8901**	**0.1334**	**7.2300e-003**	**7,582.3813**

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	13.8727	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Energy	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
Mobile	0.6402	1.3108	17.0546	0.0719	9.8239	0.0587	9.8826	2.6042	0.0541	2.6583		7,182.1385	7,182.1385	0.1255		7,185.2757
Total	**14.5491**	**1.6402**	**17.3945**	**0.0739**	**9.8239**	**0.0839**	**9.9078**	**2.6042**	**0.0793**	**2.6835**		**7,576.8901**	**7,576.8901**	**0.1334**	**7.2300e-003**	**7,582.3813**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2021	4/26/2021	5	18	
2	Grading	Grading	4/27/2021	6/30/2021	5	47	
3	Building Construction	Building Construction	7/1/2021	6/6/2022	5	243	
4	Paving	Paving	6/7/2022	6/30/2022	5	18	
5	Architectural Coatings	Architectural Coating	1/27/2022	6/30/2022	5	111	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 117.5

Acres of Paving: 21

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 904,650; Non-Residential Outdoor: 301,550; Striped Parking Area: 54,886 (Architectural Coating – sqft)

OffRoad Equipment

9309 Sycamore Hills Distribution Center - Passenger Cars - South Coast Air Basin, Winter

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	253.00	99.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coatings	1	128.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0830	0.0540	0.6118	1.8800e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		186.8672	186.8672	5.0300e-003		186.9929
Total	**0.0830**	**0.0540**	**0.6118**	**1.8800e-003**	**0.2012**	**1.4900e-003**	**0.2027**	**0.0534**	**1.3700e-003**	**0.0547**		**186.8672**	**186.8672**	**5.0300e-003**		**186.9929**

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**7.0458**	**2.0445**	**9.0903**	**3.8730**	**1.8809**	**5.7539**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0830	0.0540	0.6118	1.8800e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		186.8672	186.8672	5.0300e-003		186.9929
Total	**0.0830**	**0.0540**	**0.6118**	**1.8800e-003**	**0.2012**	**1.4900e-003**	**0.2027**	**0.0534**	**1.3700e-003**	**0.0547**		**186.8672**	**186.8672**	**5.0300e-003**		**186.9929**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0922	0.0600	0.6797	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.6302	207.6302	5.5800e-003		207.7698
Total	**0.0922**	**0.0600**	**0.6797**	**2.0800e-003**	**0.2236**	**1.6500e-003**	**0.2252**	**0.0593**	**1.5200e-003**	**0.0608**		**207.6302**	**207.6302**	**5.5800e-003**		**207.7698**

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					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**3.3826**	**1.9853**	**5.3679**	**1.4026**	**1.8265**	**3.2292**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0922	0.0600	0.6797	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.6302	207.6302	5.5800e-003		207.7698
Total	**0.0922**	**0.0600**	**0.6797**	**2.0800e-003**	**0.2236**	**1.6500e-003**	**0.2252**	**0.0593**	**1.5200e-003**	**0.0608**		**207.6302**	**207.6302**	**5.5800e-003**		**207.7698**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

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

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2926	9.4586	2.5590	0.0244	0.6335	0.0200	0.6534	0.1824	0.0191	0.2015		2,607.4004	2,607.4004	0.1771		2,611.8288
Worker	1.1668	0.7584	8.5986	0.0264	2.8279	0.0209	2.8489	0.7500	0.0193	0.7693		2,626.5224	2,626.5224	0.0706		2,628.2885
Total	**1.4594**	**10.2171**	**11.1577**	**0.0507**	**3.4614**	**0.0409**	**3.5023**	**0.9323**	**0.0384**	**0.9707**		**5,233.9229**	**5,233.9229**	**0.2478**		**5,240.1173**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2926	9.4586	2.5590	0.0244	0.6335	0.0200	0.6534	0.1824	0.0191	0.2015		2,607.4004	2,607.4004	0.1771		2,611.8288
Worker	1.1668	0.7584	8.5986	0.0264	2.8279	0.0209	2.8489	0.7500	0.0193	0.7693		2,626.5224	2,626.5224	0.0706		2,628.2885
Total	**1.4594**	**10.2171**	**11.1577**	**0.0507**	**3.4614**	**0.0409**	**3.5023**	**0.9323**	**0.0384**	**0.9707**		**5,233.9229**	**5,233.9229**	**0.2478**		**5,240.1173**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

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

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2747	8.9777	2.4237	0.0241	0.6335	0.0174	0.6509	0.1824	0.0166	0.1990		2,584.1189	2,584.1189	0.1709		2,588.3919
Worker	1.0974	0.6850	7.9376	0.0254	2.8279	0.0203	2.8483	0.7500	0.0187	0.7687		2,532.4765	2,532.4765	0.0638		2,534.0716
Total	**1.3721**	**9.6627**	**10.3613**	**0.0495**	**3.4614**	**0.0377**	**3.4991**	**0.9323**	**0.0354**	**0.9677**		**5,116.5953**	**5,116.5953**	**0.2347**		**5,122.4634**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2747	8.9777	2.4237	0.0241	0.6335	0.0174	0.6509	0.1824	0.0166	0.1990		2,584.1189	2,584.1189	0.1709		2,588.3919
Worker	1.0974	0.6850	7.9376	0.0254	2.8279	0.0203	2.8483	0.7500	0.0187	0.7687		2,532.4765	2,532.4765	0.0638		2,534.0716
Total	**1.3721**	**9.6627**	**10.3613**	**0.0495**	**3.4614**	**0.0377**	**3.4991**	**0.9323**	**0.0354**	**0.9677**		**5,116.5953**	**5,116.5953**	**0.2347**		**5,122.4634**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	3.0567					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.1595**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0406	0.4706	1.5100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		150.1468	150.1468	3.7800e-003		150.2414
Total	**0.0651**	**0.0406**	**0.4706**	**1.5100e-003**	**0.1677**	**1.2100e-003**	**0.1689**	**0.0445**	**1.1100e-003**	**0.0456**		**150.1468**	**150.1468**	**3.7800e-003**		**150.2414**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	3.0567					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.1595**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0406	0.4706	1.5100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		150.1468	150.1468	3.7800e-003		150.2414
Total	**0.0651**	**0.0406**	**0.4706**	**1.5100e-003**	**0.1677**	**1.2100e-003**	**0.1689**	**0.0445**	**1.1100e-003**	**0.0456**		**150.1468**	**150.1468**	**3.7800e-003**		**150.2414**

3.6 Architectural Coatings - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.4754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**27.6799**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coatings - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5552	0.3466	4.0159	0.0129	1.4307	0.0103	1.4410	0.3794	9.4700e-003	0.3889		1,281.2529	1,281.2529	0.0323		1,282.0599
Total	**0.5552**	**0.3466**	**4.0159**	**0.0129**	**1.4307**	**0.0103**	**1.4410**	**0.3794**	**9.4700e-003**	**0.3889**		**1,281.2529**	**1,281.2529**	**0.0323**		**1,282.0599**

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	27.4754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**27.6799**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coatings - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5552	0.3466	4.0159	0.0129	1.4307	0.0103	1.4410	0.3794	9.4700e-003	0.3889		1,281.2529	1,281.2529	0.0323		1,282.0599
Total	**0.5552**	**0.3466**	**4.0159**	**0.0129**	**1.4307**	**0.0103**	**1.4410**	**0.3794**	**9.4700e-003**	**0.3889**		**1,281.2529**	**1,281.2529**	**0.0323**		**1,282.0599**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6402	1.3108	17.0546	0.0719	9.8239	0.0587	9.8826	2.6042	0.0541	2.6583		7,182.1385	7,182.1385	0.1255		7,185.2757
Unmitigated	0.6402	1.3108	17.0546	0.0719	9.8239	0.0587	9.8826	2.6042	0.0541	2.6583		7,182.1385	7,182.1385	0.1255		7,185.2757

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	572.95	572.95	572.95	4,706,914	4,706,914
Total	572.95	572.95	572.95	4,706,914	4,706,914

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 Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	24.20	24.20	24.20	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 Asphalt Surfaces	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Parking Lot	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Unrefrigerated Warehouse-No Rail	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
NaturalGas Unmitigated	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600

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 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	3354.23	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
Total		**0.0362**	**0.3289**	**0.2762**	**1.9700e-003**		**0.0250**	**0.0250**		**0.0250**	**0.0250**		**394.6150**	**394.6150**	**7.5600e-003**	**7.2300e-003**	**396.9600**

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 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	3.35423	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
Total		**0.0362**	**0.3289**	**0.2762**	**1.9700e-003**		**0.0250**	**0.0250**		**0.0250**	**0.0250**		**394.6150**	**394.6150**	**7.5600e-003**	**7.2300e-003**	**396.9600**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	13.8727	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Unmitigated	13.8727	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455

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	1.6014					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.2654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.9000e-003	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Total	**13.8727**	**5.8000e-004**	**0.0637**	**0.0000**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**		**0.1366**	**0.1366**	**3.6000e-004**		**0.1455**

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	1.6014					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.2654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.9000e-003	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Total	**13.8727**	**5.8000e-004**	**0.0637**	**0.0000**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**		**0.1366**	**0.1366**	**3.6000e-004**		**0.1455**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

9309 Sycamore Hills Distribution Center - Trucks

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	603.10	1000sqft	16.00	603,100.00	0
Other Asphalt Surfaces	16.00	Acre	16.00	696,960.00	0
Parking Lot	5.00	Acre	5.00	217,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2023
Utility Company	Riverside Public Utilities				
CO2 Intensity (lb/MWhr)	1051.61	**CH4 Intensity (lb/MWhr)**	0.023	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

9309 Sycamore Hills Distribution Center - Trucks - South Coast Air Basin, Winter

Project Characteristics - RPS - 33% goal by 2020, 18.4% accounted for in CalEEMod

Land Use - 37 acre site
603,100 sf

Construction Phase - Grading/Prliminary Road Construction - 3 months
Building Permit/Building Construction - 12 months

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - CalEEMod applies same worker/vendor trip rates to parking/asphalt surfaces as it does to office/industrial building construction, resulting in overestimate of actual trips. Default trips adjusted to reflect builing construction of buildings only

Grading -

Architectural Coating - SCAQMD Rule 1113 - Building Envelope and Non-Flat Coating limit = 50 g/L

Vehicle Trips - 847 ADT
Trucks - 274 (0.45 trips/ksf)
38.7 mile trip length

Area Coating -

Energy Use -

Water And Wastewater - CalGreen requires 20% reduction in indoor water use (111,573,500 gallons)

Construction Off-road Equipment Mitigation - 61% fugitive dust reduction associated with watering

Waste Mitigation -

Fleet Mix - Trucks only, mix per TIA

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstructionPhase	NumDays	55.00	111.00
tblConstructionPhase	NumDays	740.00	243.00

9309 Sycamore Hills Distribution Center - Trucks - South Coast Air Basin, Winter

tblConstructionPhase	NumDays	75.00	47.00
tblConstructionPhase	NumDays	55.00	18.00
tblConstructionPhase	NumDays	30.00	18.00
tblConstructionPhase	PhaseEndDate	11/27/2024	6/30/2022
tblConstructionPhase	PhaseEndDate	6/26/2024	6/6/2022
tblConstructionPhase	PhaseEndDate	8/25/2021	6/30/2021
tblConstructionPhase	PhaseEndDate	9/11/2024	6/30/2022
tblConstructionPhase	PhaseEndDate	5/12/2021	4/26/2021
tblConstructionPhase	PhaseStartDate	9/12/2024	1/27/2022
tblConstructionPhase	PhaseStartDate	8/26/2021	7/1/2021
tblConstructionPhase	PhaseStartDate	5/13/2021	4/27/2021
tblConstructionPhase	PhaseStartDate	6/27/2024	6/7/2022
tblFleetMix	HHD	0.03	0.37
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.17
tblFleetMix	LHD2	5.8470e-003	0.21
tblFleetMix	MCY	4.8220e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.6900e-004	0.00
tblFleetMix	MHD	0.02	0.25
tblFleetMix	OBUS	2.1100e-003	0.00
tblFleetMix	SBUS	7.1000e-004	0.00
tblFleetMix	UBUS	1.7690e-003	0.00
tblLandUse	LotAcreage	13.85	16.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023

tblProjectCharacteristics	CO2IntensityFactor	1325.65	1051.61
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	VendorTripNumber	249.00	99.00
tblTripsAndVMT	WorkerTripNumber	638.00	253.00
tblVehicleTrips	CC_TL	8.40	38.70
tblVehicleTrips	CNW_TL	6.90	38.70
tblVehicleTrips	CW_TL	16.60	38.70
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.68	0.45
tblVehicleTrips	SU_TR	1.68	0.45
tblVehicleTrips	WD_TR	1.68	0.45
tblWater	IndoorWaterUseRate	139,466,875.00	111,573,500.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2834	46.4598	31.5582	0.0777	18.2675	2.0460	20.3134	9.9840	1.8823	11.8663	0.0000	7,787.2868	7,787.2868	1.9484	0.0000	7,808.8816
2022	32.4596	27.0334	32.5542	0.0923	4.8922	0.9387	5.8309	1.3118	0.8877	2.1995	0.0000	9,233.6299	9,233.6299	0.8973	0.0000	9,256.0617
Maximum	**32.4596**	**46.4598**	**32.5542**	**0.0923**	**18.2675**	**2.0460**	**20.3134**	**9.9840**	**1.8823**	**11.8663**	**0.0000**	**9,233.6299**	**9,233.6299**	**1.9484**	**0.0000**	**9,256.0617**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2834	46.4598	31.5582	0.0777	7.2470	2.0460	9.2930	3.9263	1.8823	5.8086	0.0000	7,787.2868	7,787.2868	1.9484	0.0000	7,808.8816
2022	32.4596	27.0334	32.5542	0.0923	4.8922	0.9387	5.8309	1.3118	0.8877	2.1995	0.0000	9,233.6299	9,233.6299	0.8973	0.0000	9,256.0617
Maximum	**32.4596**	**46.4598**	**32.5542**	**0.0923**	**7.2470**	**2.0460**	**9.2930**	**3.9263**	**1.8823**	**5.8086**	**0.0000**	**9,233.6299**	**9,233.6299**	**1.9484**	**0.0000**	**9,256.0617**

	ROG	**NOx**	**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**	**47.58**	**0.00**	**42.15**	**53.63**	**0.00**	**43.07**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	13.8727	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Energy	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
Mobile	1.6330	36.5461	16.7124	0.2452	9.4194	0.1530	9.5723	2.6828	0.1462	2.8290		26,092.1462	26,092.1462	1.0267		26,117.8137
Total	**15.5419**	**36.8755**	**17.0523**	**0.2472**	**9.4194**	**0.1782**	**9.5975**	**2.6828**	**0.1714**	**2.8542**		**26,486.8978**	**26,486.8978**	**1.0346**	**7.2300e-003**	**26,514.9192**

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	13.8727	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Energy	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
Mobile	1.6330	36.5461	16.7124	0.2452	9.4194	0.1530	9.5723	2.6828	0.1462	2.8290		26,092.1462	26,092.1462	1.0267		26,117.8137
Total	**15.5419**	**36.8755**	**17.0523**	**0.2472**	**9.4194**	**0.1782**	**9.5975**	**2.6828**	**0.1714**	**2.8542**		**26,486.8978**	**26,486.8978**	**1.0346**	**7.2300e-003**	**26,514.9192**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2021	4/26/2021	5	18	
2	Grading	Grading	4/27/2021	6/30/2021	5	47	
3	Building Construction	Building Construction	7/1/2021	6/6/2022	5	243	
4	Paving	Paving	6/7/2022	6/30/2022	5	18	
5	Architectural Coatings	Architectural Coating	1/27/2022	6/30/2022	5	111	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 117.5

Acres of Paving: 21

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 904,650; Non-Residential Outdoor: 301,550; Striped Parking Area: 54,886 (Architectural Coating – sqft)

OffRoad Equipment

9309 Sycamore Hills Distribution Center - Trucks - South Coast Air Basin, Winter

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	253.00	99.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coatings	1	128.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0830	0.0540	0.6118	1.8800e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		186.8672	186.8672	5.0300e-003		186.9929
Total	**0.0830**	**0.0540**	**0.6118**	**1.8800e-003**	**0.2012**	**1.4900e-003**	**0.2027**	**0.0534**	**1.3700e-003**	**0.0547**		**186.8672**	**186.8672**	**5.0300e-003**		**186.9929**

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**7.0458**	**2.0445**	**9.0903**	**3.8730**	**1.8809**	**5.7539**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0830	0.0540	0.6118	1.8800e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		186.8672	186.8672	5.0300e-003		186.9929
Total	**0.0830**	**0.0540**	**0.6118**	**1.8800e-003**	**0.2012**	**1.4900e-003**	**0.2027**	**0.0534**	**1.3700e-003**	**0.0547**		**186.8672**	**186.8672**	**5.0300e-003**		**186.9929**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0922	0.0600	0.6797	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.6302	207.6302	5.5800e-003		207.7698
Total	**0.0922**	**0.0600**	**0.6797**	**2.0800e-003**	**0.2236**	**1.6500e-003**	**0.2252**	**0.0593**	**1.5200e-003**	**0.0608**		**207.6302**	**207.6302**	**5.5800e-003**		**207.7698**

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					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**3.3826**	**1.9853**	**5.3679**	**1.4026**	**1.8265**	**3.2292**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0922	0.0600	0.6797	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.6302	207.6302	5.5800e-003		207.7698
Total	**0.0922**	**0.0600**	**0.6797**	**2.0800e-003**	**0.2236**	**1.6500e-003**	**0.2252**	**0.0593**	**1.5200e-003**	**0.0608**		**207.6302**	**207.6302**	**5.5800e-003**		**207.7698**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

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

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2926	9.4586	2.5590	0.0244	0.6335	0.0200	0.6534	0.1824	0.0191	0.2015		2,607.4004	2,607.4004	0.1771		2,611.8288
Worker	1.1668	0.7584	8.5986	0.0264	2.8279	0.0209	2.8489	0.7500	0.0193	0.7693		2,626.5224	2,626.5224	0.0706		2,628.2885
Total	**1.4594**	**10.2171**	**11.1577**	**0.0507**	**3.4614**	**0.0409**	**3.5023**	**0.9323**	**0.0384**	**0.9707**		**5,233.9229**	**5,233.9229**	**0.2478**		**5,240.1173**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2926	9.4586	2.5590	0.0244	0.6335	0.0200	0.6534	0.1824	0.0191	0.2015		2,607.4004	2,607.4004	0.1771		2,611.8288
Worker	1.1668	0.7584	8.5986	0.0264	2.8279	0.0209	2.8489	0.7500	0.0193	0.7693		2,626.5224	2,626.5224	0.0706		2,628.2885
Total	**1.4594**	**10.2171**	**11.1577**	**0.0507**	**3.4614**	**0.0409**	**3.5023**	**0.9323**	**0.0384**	**0.9707**		**5,233.9229**	**5,233.9229**	**0.2478**		**5,240.1173**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

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

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2747	8.9777	2.4237	0.0241	0.6335	0.0174	0.6509	0.1824	0.0166	0.1990		2,584.1189	2,584.1189	0.1709		2,588.3919
Worker	1.0974	0.6850	7.9376	0.0254	2.8279	0.0203	2.8483	0.7500	0.0187	0.7687		2,532.4765	2,532.4765	0.0638		2,534.0716
Total	**1.3721**	**9.6627**	**10.3613**	**0.0495**	**3.4614**	**0.0377**	**3.4991**	**0.9323**	**0.0354**	**0.9677**		**5,116.5953**	**5,116.5953**	**0.2347**		**5,122.4634**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2747	8.9777	2.4237	0.0241	0.6335	0.0174	0.6509	0.1824	0.0166	0.1990		2,584.1189	2,584.1189	0.1709		2,588.3919
Worker	1.0974	0.6850	7.9376	0.0254	2.8279	0.0203	2.8483	0.7500	0.0187	0.7687		2,532.4765	2,532.4765	0.0638		2,534.0716
Total	**1.3721**	**9.6627**	**10.3613**	**0.0495**	**3.4614**	**0.0377**	**3.4991**	**0.9323**	**0.0354**	**0.9677**		**5,116.5953**	**5,116.5953**	**0.2347**		**5,122.4634**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	3.0567					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.1595**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0406	0.4706	1.5100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		150.1468	150.1468	3.7800e-003		150.2414
Total	**0.0651**	**0.0406**	**0.4706**	**1.5100e-003**	**0.1677**	**1.2100e-003**	**0.1689**	**0.0445**	**1.1100e-003**	**0.0456**		**150.1468**	**150.1468**	**3.7800e-003**		**150.2414**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	3.0567					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.1595**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0406	0.4706	1.5100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		150.1468	150.1468	3.7800e-003		150.2414
Total	**0.0651**	**0.0406**	**0.4706**	**1.5100e-003**	**0.1677**	**1.2100e-003**	**0.1689**	**0.0445**	**1.1100e-003**	**0.0456**		**150.1468**	**150.1468**	**3.7800e-003**		**150.2414**

3.6 Architectural Coatings - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.4754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**27.6799**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coatings - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5552	0.3466	4.0159	0.0129	1.4307	0.0103	1.4410	0.3794	9.4700e-003	0.3889		1,281.2529	1,281.2529	0.0323		1,282.0599
Total	**0.5552**	**0.3466**	**4.0159**	**0.0129**	**1.4307**	**0.0103**	**1.4410**	**0.3794**	**9.4700e-003**	**0.3889**		**1,281.2529**	**1,281.2529**	**0.0323**		**1,282.0599**

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	27.4754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**27.6799**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coatings - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5552	0.3466	4.0159	0.0129	1.4307	0.0103	1.4410	0.3794	9.4700e-003	0.3889		1,281.2529	1,281.2529	0.0323		1,282.0599
Total	**0.5552**	**0.3466**	**4.0159**	**0.0129**	**1.4307**	**0.0103**	**1.4410**	**0.3794**	**9.4700e-003**	**0.3889**		**1,281.2529**	**1,281.2529**	**0.0323**		**1,282.0599**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.6330	36.5461	16.7124	0.2452	9.4194	0.1530	9.5723	2.6828	0.1462	2.8290		26,092.1462	26,092.1462	1.0267		26,117.8137
Unmitigated	1.6330	36.5461	16.7124	0.2452	9.4194	0.1530	9.5723	2.6828	0.1462	2.8290		26,092.1462	26,092.1462	1.0267		26,117.8137

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	271.40	271.40	271.40	3,823,087	3,823,087
Total	271.40	271.40	271.40	3,823,087	3,823,087

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 Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	38.70	38.70	38.70	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Parking Lot	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.167900	0.208000	0.254600	0.369500	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
NaturalGas Unmitigated	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600

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 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	3354.23	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
Total		**0.0362**	**0.3289**	**0.2762**	**1.9700e-003**		**0.0250**	**0.0250**		**0.0250**	**0.0250**		**394.6150**	**394.6150**	**7.5600e-003**	**7.2300e-003**	**396.9600**

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 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	3.35423	0.0362	0.3289	0.2762	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.6150	394.6150	7.5600e-003	7.2300e-003	396.9600
Total		**0.0362**	**0.3289**	**0.2762**	**1.9700e-003**		**0.0250**	**0.0250**		**0.0250**	**0.0250**		**394.6150**	**394.6150**	**7.5600e-003**	**7.2300e-003**	**396.9600**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	13.8727	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Unmitigated	13.8727	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455

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	1.6014					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.2654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.9000e-003	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Total	**13.8727**	**5.8000e-004**	**0.0637**	**0.0000**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**		**0.1366**	**0.1366**	**3.6000e-004**		**0.1455**

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	1.6014					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.2654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.9000e-003	5.8000e-004	0.0637	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1366	0.1366	3.6000e-004		0.1455
Total	**13.8727**	**5.8000e-004**	**0.0637**	**0.0000**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**		**0.1366**	**0.1366**	**3.6000e-004**		**0.1455**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

ATTACHMENT 2

EMFAC2017 and AERMOD Data

9309 Sycamore Hills Distribution Center
EMFAC Emission Factors

EMFAC2017 (v1.0.2) Emission Rates				Trips	0.75 miles around Building A	15-minute Idling (hours)	5-minute Idling (hours)
Region Type: County				847	635.25	212	71
Region: RIVERSIDE	Passenger Cars	LDA	67.7%	573	429.75	143	48
Calendar Year: 2023	2 Axle Truck	LHD1	5.4%	46	34.50	12	4
Season: Annual	3 Axle Truck	LHD2	6.7%	57	42.75	14	5
Vehicle Classification: EMFAC2011 Categories	4-Axle+ Truck	T7	20.2%	171	128.25	43	14
Units: miles/day for VMT, g/mile for RUNEX, PMBW and PMTW			100.0%				

On-Site Manuevering

Region	CalYr	VehClass	Vehicle	MdlYr	Speed	Fuel	VMT	%Fuel Type	Miles	CO_RUNEX	CO grams/day	CO grams/sec	NOx_RUNEX	Nox grams/day	Nox grams/sec	PM10_RUNEX	PM10 grams/day	PM10 grams/sec	PM2_5_RUNEX	PM2.5 grams/day	PM2.5 grams/sec
Riverside	2023	LDA	Passenger Car	Aggregated	5	GAS	53,931.89	0.99	425.35	1.17	498.38	0.005768	0.06	24.84	0.000287	0.01	4.03	0.000047	0.01	3.71	0.000043
Riverside	2023	LDA	Passenger Car	Aggregated	5	DSL	558.32	0.01	4.40	3.26	14.37	0.000166	0.13	0.58	0.000007	0.02	0.09	0.000001	0.02	0.08	0.000001
Riverside	2023	LHD1	2-Axle	Aggregated	5	GAS	1,326.38	0.58	19.85	1.55	30.82	0.000357	0.31	6.07	0.000070	0.01	0.15	0.000002	0.01	0.14	0.000002
Riverside	2023	LHD1	2-Axle	Aggregated	5	DSL	978.58	0.42	14.65	3.19	46.76	0.000541	1.86	27.21	0.000315	0.07	1.03	0.000012	0.07	0.98	0.000011
Riverside	2023	LHD2	3-Axle	Aggregated	5	GAS	205.48	0.35	14.97	0.89	13.33	0.000154	0.30	4.42	0.000051	0.01	0.10	0.000001	0.01	0.10	0.000001
Riverside	2023	LHD2	3-Axle	Aggregated	5	DSL	381.46	0.65	27.78	3.25	90.40	0.001046	1.62	44.87	0.000519	0.06	1.79	0.000021	0.06	1.71	0.000020
Riverside	2023	T7 CAIRP	4+Axle	Aggregated	5	DSL	743.30	1.00	128.25	2.23	286.45	0.003315	14.40	1,846.53	0.021372	0.01	1.60	0.000018	0.01	1.53	0.000018
									635.25	Total	980.51	0.011348	Total	1,954.53	0.022622	Total	8.78	0.000102	Total	8.24	0.000095
										Building A	650.57	0.007530	Building A	1,296.83	0.015010	Building A	5.83	0.000067	Building A	5.47	0.000063
										Building B	329.94	0.003819	Building B	657.69	0.007612	Building B	2.96	0.000034	Building B	2.77	0.000032

Idling (15 minutes)

Region	CalYr	VehClass	Vehicle	MdlYr	Speed	Fuel	Population	%Fuel Type	Idling Hours	CO_IDLEX	CO grams/day	CO grams/sec	NOx_IDLEX	Nox grams/day	Nox grams/sec	PM10_IDLEX	PM10 grams/day	PM10 grams/sec	PM2_5_IDLEX	PM2.5 grams/day	PM2.5 grams/sec
Riverside	2023	LDA	Passenger Car	Aggregated	Idling	GAS				0.00	0.00	0.000000	0.00	0.00	0.000000	0.00	0.00	0.000000	0.00	0.00	0.000000
Riverside	2023	LDA	Passenger Car	Aggregated	Idling	DSL				0.00	0.00	0.000000	0.00	0.00	0.000000	0.00	0.00	0.000000	0.00	0.00	0.000000
Riverside	2023	LHD1	2-Axle	Aggregated	Idling	GAS	20,379.40	0.50	5.76	3.76	21.64	0.000250	0.04	0.22	0.000003	0.00	0.00	0.000000	0.00	0.00	0.000000
Riverside	2023	LHD1	2-Axle	Aggregated	Idling	DSL	20,310.56	0.50	5.74	0.91	5.22	0.000060	2.15	12.36	0.000143	0.03	0.16	0.000002	0.03	0.15	0.000002
Riverside	2023	LHD2	3-Axle	Aggregated	Idling	GAS	3,277.02	0.29	4.18	3.77	15.73	0.000182	0.04	0.16	0.000002	0.00	0.00	0.000000	0.00	0.00	0.000000
Riverside	2023	LHD2	3-Axle	Aggregated	Idling	DSL	7,906.79	0.71	10.07	0.91	9.17	0.000106	2.15	21.67	0.000251	0.03	0.28	0.000003	0.03	0.26	0.000003
Riverside	2023	T7 CAIRP	4+Axle	Aggregated	Idling	DSL	5,082.00	1.00	42.75	154.17	6,590.95	0.076284	123.30	5,271.10	0.061008	0.04	1.90	0.000022	0.04	1.82	0.000021
									68.50	Total	6,642.70	0.076883	Total	5,305.51	0.061406	Total	2.33	0.000027	Total	2.23	0.000026
										Building A West (39)	2,072.52	0.023988	Building A West (39)	1,655.32	0.019159	Building A West (39)	0.73	0.000008	Building A West (39)	0.70	0.000008
										Building A East (51)	2,710.22	0.031368	Building A East (51)	2,164.65	0.025054	Building A East (51)	0.95	0.000011	Building A East (51)	0.91	0.000011
										Building B (35)	1,859.96	0.021527	Building B (35)	1,485.54	0.017194	Building B (35)	0.65	0.000008	Building B (35)	0.62	0.000007

Yard Truck (non-diesel, modeled at 5 mph for 12-hours contiuous operation in a day, 2 at Building A, 1 at Building B)

Region	CalYr	VehClass	Vehicle	MdlYr	Speed	Fuel	VMT	%Fuel Type	Miles	CO_RUNEX	CO grams/day	CO grams/sec	NOx_RUNEX	Nox grams/day	Nox grams/sec	PM10_RUNEX	PM10 grams/day	PM10 grams/sec	PM2_5_RUNEX	PM2.5 grams/day	PM2.5 grams/sec
Riverside	2023	LHD1	2-Axle	Aggregated	5	GAS			60.00	1.55	93.15	0.001078	0.31	18.35	0.000212	0.01	0.46	0.000005	0.01	0.43	0.000005
									Added to On-Site Manuevering:		Building A	0.00969		Building A	0.01543		Building A	0.00008		Building A	0.00007
											Building B	0.00490		Building B	0.00782		Building B	0.00004		Building B	0.00004

AERMOD Data – Carbon Monoxide (CO)

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.5.0
** Lakes Environmental Software Inc.
** Date: 11/22/2019
** File: C:\AERMOD\9309\AERMOD - High-Cube Warehouse - Fall 2019 Submittal\CO\CO.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\AERMOD\9309\CO\CO.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 8
   POLLUTID CO
   RUNORNOT RUN
   ERRORFIL CO.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 Building A Truck Route
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 0.00969
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 13
** 471385.355, 3752971.460, 488.48, 3.63, 3.93
** 471387.127, 3753097.286, 490.16, 3.63, 3.93
** 471528.016, 3753100.830, 487.05, 3.63, 3.93
** 471560.802, 3753115.008, 487.00, 3.63, 3.93
** 471551.055, 3753419.825, 482.91, 3.63, 3.93
```

** 471516.497, 3753438.433, 481.11, 3.63, 3.93

** 471406.621, 3753434.889, 485.13, 3.63, 3.93

** 471395.988, 3753416.281, 483.76, 3.63, 3.93

** 471396.874, 3753393.242, 483.54, 3.63, 3.93

** 471388.013, 3753367.546, 482.36, 3.63, 3.93

** 471379.152, 3753334.760, 483.62, 3.63, 3.93

** 471379.152, 3753093.742, 490.28, 3.63, 3.93

** 471380.038, 3752970.574, 488.59, 3.63, 3.93

** ----------

LOCATION L0001688 VOLUME 471385.414 3752975.680 488.37

LOCATION L0001689 VOLUME 471385.533 3752984.119 488.08

LOCATION L0001690 VOLUME 471385.652 3752992.558 488.18

LOCATION L0001691 VOLUME 471385.771 3753000.997 488.44

LOCATION L0001692 VOLUME 471385.890 3753009.437 488.69

LOCATION L0001693 VOLUME 471386.009 3753017.876 488.93

LOCATION L0001694 VOLUME 471386.127 3753026.315 489.07

LOCATION L0001695 VOLUME 471386.246 3753034.754 489.22

LOCATION L0001696 VOLUME 471386.365 3753043.193 489.38

LOCATION L0001697 VOLUME 471386.484 3753051.632 489.60

LOCATION L0001698 VOLUME 471386.603 3753060.072 489.88

LOCATION L0001699 VOLUME 471386.722 3753068.511 490.16

LOCATION L0001700 VOLUME 471386.841 3753076.950 490.42

LOCATION L0001701 VOLUME 471386.960 3753085.389 490.30

LOCATION L0001702 VOLUME 471387.078 3753093.828 490.18

LOCATION L0001703 VOLUME 471392.107 3753097.411 490.08

LOCATION L0001704 VOLUME 471400.545 3753097.624 489.97

LOCATION L0001705 VOLUME 471408.982 3753097.836 489.69

LOCATION L0001706 VOLUME 471417.419 3753098.048 489.40

LOCATION L0001707 VOLUME 471425.857 3753098.260 489.12

LOCATION L0001708 VOLUME 471434.294 3753098.473 488.84

LOCATION L0001709 VOLUME 471442.731 3753098.685 488.56

LOCATION L0001710 VOLUME 471451.169 3753098.897 488.28

LOCATION L0001711 VOLUME 471459.606 3753099.109 488.00

LOCATION L0001712 VOLUME 471468.043 3753099.322 487.93

LOCATION L0001713 VOLUME 471476.481 3753099.534 487.87

LOCATION L0001714 VOLUME 471484.918 3753099.746 487.81

LOCATION L0001715 VOLUME 471493.355 3753099.958 487.68

LOCATION L0001716 VOLUME 471501.793 3753100.171 487.46

LOCATION L0001717 VOLUME 471510.230 3753100.383 487.25

LOCATION L0001718 VOLUME 471518.667 3753100.595 487.02

LOCATION L0001719 VOLUME 471527.105 3753100.807 487.00

LOCATION L0001720 VOLUME 471534.926 3753103.818 487.00

LOCATION L0001721 VOLUME 471542.673 3753107.168 487.01

LOCATION L0001722 VOLUME 471550.419 3753110.518 487.13

LOCATION L0001723 VOLUME 471558.166 3753113.868 487.24

LOCATION L0001724 VOLUME 471560.624 3753120.573 487.46

LOCATION L0001725 VOLUME 471560.354 3753129.009 487.75

LOCATION L0001726 VOLUME 471560.085 3753137.445 488.00

LOCATION L0001727 VOLUME 471559.815 3753145.880 488.00

LOCATION L0001728 VOLUME 471559.545 3753154.316 488.00

LOCATION L0001729	VOLUME	471559.275	3753162.752	488.00
LOCATION L0001730	VOLUME	471559.006	3753171.187	488.00
LOCATION L0001731	VOLUME	471558.736	3753179.623	488.00
LOCATION L0001732	VOLUME	471558.466	3753188.059	488.00
LOCATION L0001733	VOLUME	471558.196	3753196.494	488.00
LOCATION L0001734	VOLUME	471557.927	3753204.930	488.00
LOCATION L0001735	VOLUME	471557.657	3753213.366	488.00
LOCATION L0001736	VOLUME	471557.387	3753221.802	488.00
LOCATION L0001737	VOLUME	471557.117	3753230.237	488.00
LOCATION L0001738	VOLUME	471556.848	3753238.673	488.00
LOCATION L0001739	VOLUME	471556.578	3753247.109	488.00
LOCATION L0001740	VOLUME	471556.308	3753255.544	488.00
LOCATION L0001741	VOLUME	471556.038	3753263.980	488.00
LOCATION L0001742	VOLUME	471555.769	3753272.416	488.00
LOCATION L0001743	VOLUME	471555.499	3753280.851	488.00
LOCATION L0001744	VOLUME	471555.229	3753289.287	487.91
LOCATION L0001745	VOLUME	471554.959	3753297.723	487.63
LOCATION L0001746	VOLUME	471554.690	3753306.158	487.35
LOCATION L0001747	VOLUME	471554.420	3753314.594	487.07
LOCATION L0001748	VOLUME	471554.150	3753323.030	486.79
LOCATION L0001749	VOLUME	471553.880	3753331.466	486.51
LOCATION L0001750	VOLUME	471553.611	3753339.901	486.22
LOCATION L0001751	VOLUME	471553.341	3753348.337	485.84
LOCATION L0001752	VOLUME	471553.071	3753356.773	485.06
LOCATION L0001753	VOLUME	471552.801	3753365.208	484.28
LOCATION L0001754	VOLUME	471552.532	3753373.644	483.48
LOCATION L0001755	VOLUME	471552.262	3753382.080	483.16
LOCATION L0001756	VOLUME	471551.992	3753390.515	483.12
LOCATION L0001757	VOLUME	471551.722	3753398.951	483.09
LOCATION L0001758	VOLUME	471551.453	3753407.387	483.04
LOCATION L0001759	VOLUME	471551.183	3753415.822	482.75
LOCATION L0001760	VOLUME	471547.150	3753421.928	482.37
LOCATION L0001761	VOLUME	471539.719	3753425.929	481.91
LOCATION L0001762	VOLUME	471532.288	3753429.931	481.52
LOCATION L0001763	VOLUME	471524.856	3753433.932	481.19
LOCATION L0001764	VOLUME	471517.425	3753437.934	481.36
LOCATION L0001765	VOLUME	471509.115	3753438.195	482.74
LOCATION L0001766	VOLUME	471500.679	3753437.923	484.15
LOCATION L0001767	VOLUME	471492.244	3753437.651	485.55
LOCATION L0001768	VOLUME	471483.808	3753437.379	486.39
LOCATION L0001769	VOLUME	471475.373	3753437.107	486.95
LOCATION L0001770	VOLUME	471466.937	3753436.835	487.51
LOCATION L0001771	VOLUME	471458.501	3753436.562	487.99
LOCATION L0001772	VOLUME	471450.066	3753436.290	487.97
LOCATION L0001773	VOLUME	471441.630	3753436.018	487.95
LOCATION L0001774	VOLUME	471433.195	3753435.746	487.94
LOCATION L0001775	VOLUME	471424.759	3753435.474	487.45
LOCATION L0001776	VOLUME	471416.323	3753435.202	486.60
LOCATION L0001777	VOLUME	471407.888	3753434.930	485.76
LOCATION L0001778	VOLUME	471403.062	3753428.661	485.05

LOCATION L0001779	VOLUME	471398.875	3753421.333	484.43
LOCATION L0001780	VOLUME	471396.089	3753413.662	483.91
LOCATION L0001781	VOLUME	471396.413	3753405.228	483.64
LOCATION L0001782	VOLUME	471396.738	3753396.794	483.42
LOCATION L0001783	VOLUME	471395.282	3753388.624	483.06
LOCATION L0001784	VOLUME	471392.530	3753380.645	482.63
LOCATION L0001785	VOLUME	471389.779	3753372.666	482.43
LOCATION L0001786	VOLUME	471387.224	3753364.626	482.51
LOCATION L0001787	VOLUME	471385.022	3753356.479	482.68
LOCATION L0001788	VOLUME	471382.820	3753348.331	482.94
LOCATION L0001789	VOLUME	471380.618	3753340.183	483.80
LOCATION L0001790	VOLUME	471379.152	3753331.938	484.78
LOCATION L0001791	VOLUME	471379.152	3753323.498	485.81
LOCATION L0001792	VOLUME	471379.152	3753315.058	486.71
LOCATION L0001793	VOLUME	471379.152	3753306.618	487.09
LOCATION L0001794	VOLUME	471379.152	3753298.178	487.48
LOCATION L0001795	VOLUME	471379.152	3753289.738	487.86
LOCATION L0001796	VOLUME	471379.152	3753281.298	488.00
LOCATION L0001797	VOLUME	471379.152	3753272.858	488.00
LOCATION L0001798	VOLUME	471379.152	3753264.418	488.00
LOCATION L0001799	VOLUME	471379.152	3753255.978	488.00
LOCATION L0001800	VOLUME	471379.152	3753247.538	488.00
LOCATION L0001801	VOLUME	471379.152	3753239.098	488.00
LOCATION L0001802	VOLUME	471379.152	3753230.658	488.00
LOCATION L0001803	VOLUME	471379.152	3753222.218	488.05
LOCATION L0001804	VOLUME	471379.152	3753213.778	488.14
LOCATION L0001805	VOLUME	471379.152	3753205.338	488.23
LOCATION L0001806	VOLUME	471379.152	3753196.898	488.32
LOCATION L0001807	VOLUME	471379.152	3753188.458	488.69
LOCATION L0001808	VOLUME	471379.152	3753180.018	489.07
LOCATION L0001809	VOLUME	471379.152	3753171.578	489.46
LOCATION L0001810	VOLUME	471379.152	3753163.138	489.68
LOCATION L0001811	VOLUME	471379.152	3753154.698	489.68
LOCATION L0001812	VOLUME	471379.152	3753146.258	489.68
LOCATION L0001813	VOLUME	471379.152	3753137.818	489.68
LOCATION L0001814	VOLUME	471379.152	3753129.378	489.76
LOCATION L0001815	VOLUME	471379.152	3753120.938	489.85
LOCATION L0001816	VOLUME	471379.152	3753112.498	489.94
LOCATION L0001817	VOLUME	471379.152	3753104.058	490.06
LOCATION L0001818	VOLUME	471379.152	3753095.618	490.25
LOCATION L0001819	VOLUME	471379.199	3753087.178	490.44
LOCATION L0001820	VOLUME	471379.260	3753078.738	490.63
LOCATION L0001821	VOLUME	471379.321	3753070.299	490.46
LOCATION L0001822	VOLUME	471379.382	3753061.859	490.18
LOCATION L0001823	VOLUME	471379.442	3753053.419	489.90
LOCATION L0001824	VOLUME	471379.503	3753044.979	489.65
LOCATION L0001825	VOLUME	471379.564	3753036.540	489.55
LOCATION L0001826	VOLUME	471379.624	3753028.100	489.46
LOCATION L0001827	VOLUME	471379.685	3753019.660	489.36
LOCATION L0001828	VOLUME	471379.746	3753011.220	489.08

```
  LOCATION L0001829     VOLUME   471379.807 3753002.780 488.71
  LOCATION L0001830     VOLUME   471379.867 3752994.341 488.34
  LOCATION L0001831     VOLUME   471379.928 3752985.901 488.02
  LOCATION L0001832     VOLUME   471379.989 3752977.461 488.31
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Building B Truck Route
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 0.0049
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 4
** 470989.307, 3753186.230, 495.87, 3.63, 3.93
** 471232.042, 3753190.040, 488.71, 3.63, 3.93
** 471231.497, 3753182.964, 488.75, 3.63, 3.93
** 470990.396, 3753179.155, 496.67, 3.63, 3.93
** ----------------------------------------------------------------
  LOCATION L0001833     VOLUME   470993.527 3753186.296 495.41
  LOCATION L0001834     VOLUME   471001.966 3753186.428 494.85
  LOCATION L0001835     VOLUME   471010.404 3753186.561 494.33
  LOCATION L0001836     VOLUME   471018.843 3753186.693 494.23
  LOCATION L0001837     VOLUME   471027.282 3753186.826 494.13
  LOCATION L0001838     VOLUME   471035.721 3753186.958 494.04
  LOCATION L0001839     VOLUME   471044.160 3753187.091 493.74
  LOCATION L0001840     VOLUME   471052.599 3753187.223 493.27
  LOCATION L0001841     VOLUME   471061.038 3753187.356 492.79
  LOCATION L0001842     VOLUME   471069.477 3753187.488 492.31
  LOCATION L0001843     VOLUME   471077.916 3753187.620 492.02
  LOCATION L0001844     VOLUME   471086.355 3753187.753 491.74
  LOCATION L0001845     VOLUME   471094.794 3753187.885 491.45
  LOCATION L0001846     VOLUME   471103.233 3753188.018 491.16
  LOCATION L0001847     VOLUME   471111.672 3753188.150 490.88
  LOCATION L0001848     VOLUME   471120.111 3753188.283 490.59
  LOCATION L0001849     VOLUME   471128.550 3753188.415 490.31
  LOCATION L0001850     VOLUME   471136.989 3753188.548 490.02
  LOCATION L0001851     VOLUME   471145.428 3753188.680 489.74
  LOCATION L0001852     VOLUME   471153.867 3753188.813 489.45
  LOCATION L0001853     VOLUME   471162.306 3753188.945 489.26
  LOCATION L0001854     VOLUME   471170.745 3753189.077 489.25
  LOCATION L0001855     VOLUME   471179.184 3753189.210 489.25
  LOCATION L0001856     VOLUME   471187.623 3753189.342 489.24
  LOCATION L0001857     VOLUME   471196.062 3753189.475 489.19
  LOCATION L0001858     VOLUME   471204.501 3753189.607 489.12
  LOCATION L0001859     VOLUME   471212.940 3753189.740 489.05
  LOCATION L0001860     VOLUME   471221.378 3753189.872 488.94
  LOCATION L0001861     VOLUME   471229.817 3753190.005 488.66
```

```
  LOCATION L0001862     VOLUME   471231.565 3753183.842 488.60
  LOCATION L0001863     VOLUME   471223.939 3753182.845 488.85
  LOCATION L0001864     VOLUME   471215.500 3753182.711 489.06
  LOCATION L0001865     VOLUME   471207.061 3753182.578 489.20
  LOCATION L0001866     VOLUME   471198.622 3753182.445 489.33
  LOCATION L0001867     VOLUME   471190.183 3753182.311 489.47
  LOCATION L0001868     VOLUME   471181.744 3753182.178 489.48
  LOCATION L0001869     VOLUME   471173.305 3753182.045 489.49
  LOCATION L0001870     VOLUME   471164.866 3753181.911 489.49
  LOCATION L0001871     VOLUME   471156.427 3753181.778 489.60
  LOCATION L0001872     VOLUME   471147.988 3753181.645 489.89
  LOCATION L0001873     VOLUME   471139.550 3753181.511 490.17
  LOCATION L0001874     VOLUME   471131.111 3753181.378 490.46
  LOCATION L0001875     VOLUME   471122.672 3753181.245 490.74
  LOCATION L0001876     VOLUME   471114.233 3753181.111 491.03
  LOCATION L0001877     VOLUME   471105.794 3753180.978 491.31
  LOCATION L0001878     VOLUME   471097.355 3753180.845 491.60
  LOCATION L0001879     VOLUME   471088.916 3753180.711 491.89
  LOCATION L0001880     VOLUME   471080.477 3753180.578 492.17
  LOCATION L0001881     VOLUME   471072.038 3753180.445 492.46
  LOCATION L0001882     VOLUME   471063.599 3753180.311 492.83
  LOCATION L0001883     VOLUME   471055.160 3753180.178 493.24
  LOCATION L0001884     VOLUME   471046.721 3753180.045 493.65
  LOCATION L0001885     VOLUME   471038.282 3753179.911 494.02
  LOCATION L0001886     VOLUME   471029.843 3753179.778 494.18
  LOCATION L0001887     VOLUME   471021.404 3753179.645 494.34
  LOCATION L0001888     VOLUME   471012.965 3753179.511 494.51
  LOCATION L0001889     VOLUME   471004.526 3753179.378 494.91
  LOCATION L0001890     VOLUME   470996.087 3753179.244 495.48
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Building A West Docks
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 0.023988
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 2
** 471402.365, 3753341.756, 483.32, 3.63, 3.93
** 471402.365, 3753167.544, 489.01, 3.63, 3.93
** ----------------------------------------------------------------
  LOCATION L0001891     VOLUME   471402.365 3753337.536 484.72
  LOCATION L0001892     VOLUME   471402.365 3753329.096 485.97
  LOCATION L0001893     VOLUME   471402.365 3753320.656 487.22
  LOCATION L0001894     VOLUME   471402.365 3753312.216 487.84
  LOCATION L0001895     VOLUME   471402.365 3753303.776 487.89
  LOCATION L0001896     VOLUME   471402.365 3753295.336 487.95
```

```
  LOCATION L0001897     VOLUME   471402.365 3753286.896 488.00
  LOCATION L0001898     VOLUME   471402.365 3753278.456 488.00
  LOCATION L0001899     VOLUME   471402.365 3753270.016 488.00
  LOCATION L0001900     VOLUME   471402.365 3753261.576 488.00
  LOCATION L0001901     VOLUME   471402.365 3753253.136 488.01
  LOCATION L0001902     VOLUME   471402.365 3753244.696 488.04
  LOCATION L0001903     VOLUME   471402.365 3753236.256 488.06
  LOCATION L0001904     VOLUME   471402.365 3753227.816 488.09
  LOCATION L0001905     VOLUME   471402.365 3753219.376 488.31
  LOCATION L0001906     VOLUME   471402.365 3753210.936 488.57
  LOCATION L0001907     VOLUME   471402.365 3753202.496 488.82
  LOCATION L0001908     VOLUME   471402.365 3753194.056 489.00
  LOCATION L0001909     VOLUME   471402.365 3753185.616 489.00
  LOCATION L0001910     VOLUME   471402.365 3753177.176 489.00
  LOCATION L0001911     VOLUME   471402.365 3753168.736 489.00
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Building A East Docks
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 0.031369
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 2
** 471534.725, 3753397.771, 482.28, 3.63, 3.93
** 471537.286, 3753169.162, 487.63, 3.63, 3.93
** ----------------------------------------------------------------
  LOCATION L0001912     VOLUME   471534.772 3753393.552 482.44
  LOCATION L0001913     VOLUME   471534.867 3753385.112 482.72
  LOCATION L0001914     VOLUME   471534.961 3753376.673 483.00
  LOCATION L0001915     VOLUME   471535.056 3753368.233 483.84
  LOCATION L0001916     VOLUME   471535.151 3753359.794 484.68
  LOCATION L0001917     VOLUME   471535.245 3753351.354 485.53
  LOCATION L0001918     VOLUME   471535.340 3753342.915 486.07
  LOCATION L0001919     VOLUME   471535.434 3753334.475 486.21
  LOCATION L0001920     VOLUME   471535.529 3753326.036 486.37
  LOCATION L0001921     VOLUME   471535.623 3753317.596 486.52
  LOCATION L0001922     VOLUME   471535.718 3753309.157 486.79
  LOCATION L0001923     VOLUME   471535.812 3753300.717 487.07
  LOCATION L0001924     VOLUME   471535.907 3753292.278 487.36
  LOCATION L0001925     VOLUME   471536.002 3753283.838 487.55
  LOCATION L0001926     VOLUME   471536.096 3753275.399 487.55
  LOCATION L0001927     VOLUME   471536.191 3753266.960 487.55
  LOCATION L0001928     VOLUME   471536.285 3753258.520 487.56
  LOCATION L0001929     VOLUME   471536.380 3753250.081 487.56
  LOCATION L0001930     VOLUME   471536.474 3753241.641 487.56
  LOCATION L0001931     VOLUME   471536.569 3753233.202 487.57
```

```
   LOCATION L0001932     VOLUME   471536.664 3753224.762 487.57
   LOCATION L0001933     VOLUME   471536.758 3753216.323 487.57
   LOCATION L0001934     VOLUME   471536.853 3753207.883 487.58
   LOCATION L0001935     VOLUME   471536.947 3753199.444 487.58
   LOCATION L0001936     VOLUME   471537.042 3753191.004 487.58
   LOCATION L0001937     VOLUME   471537.136 3753182.565 487.59
   LOCATION L0001938     VOLUME   471537.231 3753174.125 487.59
** End of LINE VOLUME Source ID = SLINE4
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Building B Docks
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 0.021527
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 2
** 471064.720, 3753208.269, 492.28, 3.63, 3.93
** 471227.536, 3753209.449, 488.78, 3.63, 3.93
** ----------------------------------------------------------------
   LOCATION L0001939     VOLUME   471068.940 3753208.299 491.64
   LOCATION L0001940     VOLUME   471077.380 3753208.361 491.35
   LOCATION L0001941     VOLUME   471085.820 3753208.422 491.06
   LOCATION L0001942     VOLUME   471094.259 3753208.483 490.78
   LOCATION L0001943     VOLUME   471102.699 3753208.544 490.46
   LOCATION L0001944     VOLUME   471111.139 3753208.605 490.06
   LOCATION L0001945     VOLUME   471119.579 3753208.666 489.66
   LOCATION L0001946     VOLUME   471128.019 3753208.727 489.27
   LOCATION L0001947     VOLUME   471136.458 3753208.789 489.05
   LOCATION L0001948     VOLUME   471144.898 3753208.850 488.88
   LOCATION L0001949     VOLUME   471153.338 3753208.911 488.71
   LOCATION L0001950     VOLUME   471161.778 3753208.972 488.59
   LOCATION L0001951     VOLUME   471170.217 3753209.033 488.59
   LOCATION L0001952     VOLUME   471178.657 3753209.094 488.58
   LOCATION L0001953     VOLUME   471187.097 3753209.156 488.58
   LOCATION L0001954     VOLUME   471195.537 3753209.217 488.58
   LOCATION L0001955     VOLUME   471203.977 3753209.278 488.58
   LOCATION L0001956     VOLUME   471212.416 3753209.339 488.58
   LOCATION L0001957     VOLUME   471220.856 3753209.400 488.55
** End of LINE VOLUME Source ID = SLINE5
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0001688     0.0000668276     3.63     3.93     3.38
   SRCPARAM L0001689     0.0000668276     3.63     3.93     3.38
   SRCPARAM L0001690     0.0000668276     3.63     3.93     3.38
   SRCPARAM L0001691     0.0000668276     3.63     3.93     3.38
   SRCPARAM L0001692     0.0000668276     3.63     3.93     3.38
   SRCPARAM L0001693     0.0000668276     3.63     3.93     3.38
```

SRCPARAM L0001694	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001695	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001696	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001697	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001698	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001699	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001700	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001701	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001702	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001703	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001704	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001705	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001706	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001707	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001708	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001709	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001710	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001711	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001712	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001713	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001714	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001715	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001716	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001717	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001718	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001719	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001720	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001721	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001722	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001723	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001724	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001725	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001726	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001727	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001728	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001729	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001730	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001731	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001732	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001733	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001734	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001735	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001736	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001737	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001738	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001739	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001740	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001741	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001742	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001743	0.0000668276	3.63	3.93	3.38

SRCPARAM L0001744	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001745	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001746	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001747	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001748	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001749	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001750	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001751	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001752	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001753	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001754	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001755	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001756	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001757	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001758	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001759	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001760	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001761	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001762	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001763	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001764	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001765	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001766	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001767	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001768	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001769	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001770	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001771	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001772	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001773	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001774	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001775	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001776	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001777	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001778	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001779	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001780	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001781	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001782	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001783	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001784	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001785	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001786	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001787	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001788	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001789	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001790	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001791	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001792	0.0000668276	3.63	3.93	3.38
SRCPARAM L0001793	0.0000668276	3.63	3.93	3.38

```
  SRCPARAM L0001794    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001795    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001796    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001797    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001798    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001799    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001800    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001801    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001802    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001803    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001804    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001805    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001806    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001807    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001808    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001809    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001810    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001811    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001812    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001813    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001814    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001815    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001816    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001817    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001818    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001819    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001820    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001821    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001822    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001823    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001824    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001825    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001826    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001827    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001828    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001829    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001830    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001831    0.0000668276    3.63    3.93    3.38
  SRCPARAM L0001832    0.0000668276    3.63    3.93    3.38
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
  SRCPARAM L0001833    0.0000844828    3.63    3.93    3.38
  SRCPARAM L0001834    0.0000844828    3.63    3.93    3.38
  SRCPARAM L0001835    0.0000844828    3.63    3.93    3.38
  SRCPARAM L0001836    0.0000844828    3.63    3.93    3.38
  SRCPARAM L0001837    0.0000844828    3.63    3.93    3.38
  SRCPARAM L0001838    0.0000844828    3.63    3.93    3.38
  SRCPARAM L0001839    0.0000844828    3.63    3.93    3.38
  SRCPARAM L0001840    0.0000844828    3.63    3.93    3.38
  SRCPARAM L0001841    0.0000844828    3.63    3.93    3.38
```

SRCPARAM L0001842	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001843	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001844	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001845	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001846	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001847	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001848	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001849	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001850	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001851	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001852	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001853	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001854	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001855	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001856	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001857	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001858	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001859	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001860	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001861	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001862	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001863	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001864	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001865	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001866	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001867	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001868	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001869	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001870	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001871	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001872	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001873	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001874	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001875	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001876	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001877	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001878	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001879	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001880	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001881	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001882	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001883	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001884	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001885	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001886	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001887	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001888	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001889	0.0000844828	3.63	3.93	3.38
SRCPARAM L0001890	0.0000844828	3.63	3.93	3.38

** ----------

** LINE VOLUME Source ID = SLINE3

```
SRCPARAM L0001891    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001892    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001893    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001894    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001895    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001896    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001897    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001898    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001899    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001900    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001901    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001902    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001903    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001904    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001905    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001906    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001907    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001908    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001909    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001910    0.0011422857    3.63    3.93    3.38
SRCPARAM L0001911    0.0011422857    3.63    3.93    3.38
```

** ----------

** LINE VOLUME Source ID = SLINE4

```
SRCPARAM L0001912    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001913    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001914    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001915    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001916    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001917    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001918    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001919    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001920    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001921    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001922    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001923    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001924    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001925    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001926    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001927    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001928    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001929    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001930    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001931    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001932    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001933    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001934    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001935    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001936    0.0011618148    3.63    3.93    3.38
SRCPARAM L0001937    0.0011618148    3.63    3.93    3.38
```

```
   SRCPARAM L0001938     0.0011618148      3.63      3.93      3.38
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0001939     0.001133     3.63     3.93     3.38
   SRCPARAM L0001940     0.001133     3.63     3.93     3.38
   SRCPARAM L0001941     0.001133     3.63     3.93     3.38
   SRCPARAM L0001942     0.001133     3.63     3.93     3.38
   SRCPARAM L0001943     0.001133     3.63     3.93     3.38
   SRCPARAM L0001944     0.001133     3.63     3.93     3.38
   SRCPARAM L0001945     0.001133     3.63     3.93     3.38
   SRCPARAM L0001946     0.001133     3.63     3.93     3.38
   SRCPARAM L0001947     0.001133     3.63     3.93     3.38
   SRCPARAM L0001948     0.001133     3.63     3.93     3.38
   SRCPARAM L0001949     0.001133     3.63     3.93     3.38
   SRCPARAM L0001950     0.001133     3.63     3.93     3.38
   SRCPARAM L0001951     0.001133     3.63     3.93     3.38
   SRCPARAM L0001952     0.001133     3.63     3.93     3.38
   SRCPARAM L0001953     0.001133     3.63     3.93     3.38
   SRCPARAM L0001954     0.001133     3.63     3.93     3.38
   SRCPARAM L0001955     0.001133     3.63     3.93     3.38
   SRCPARAM L0001956     0.001133     3.63     3.93     3.38
   SRCPARAM L0001957     0.001133     3.63     3.93     3.38
** ----------------------------------------------------------------
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED CO.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE N:\AIR_GHG_NOISE_Technical\001_AIR\Meterological\RiversideAirportADJU\KRAL_V9_ADJU\KRAL_v9.SFC
   PROFFILE N:\AIR_GHG_NOISE_Technical\001_AIR\Meterological\RiversideAirportADJU\KRAL_V9_ADJU\KRAL_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   PROFBASE 249.0 METERS
   STARTEND 2014 1 1 1 2016 12 31 24
ME FINISHED
**
****************************************
```

```
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
  RECTABLE 8 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST CO.AD\01H1GALL.PLT 31
  PLOTFILE 8 ALL 1ST CO.AD\08H1GALL.PLT 32
  SUMMFILE CO.sum
OU FINISHED


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

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

A Total of         0 Fatal Error Message(s)
A Total of         2 Warning Message(s)
A Total of         0 Informational Message(s)


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


  ********   WARNING MESSAGES   ********
ME W186     698      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     698      MEOPEN: ADJ_U* Option for Low Winds used in AERMET

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

*** AERMOD - VERSION 16216r ***   *** C:\AERMOD\9309\CO\CO.isc                              ***       11/22/19
*** AERMET - VERSION  16216 ***   ***                                                 ***       08:34:15
                                                                                PAGE   1
*** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

**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:

ADJ_U* - Use ADJ_U* BETA option for SBL in AERMET
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: CO

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

**This Run Includes: 270 Source(s); 1 Source Group(s); and 1617 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 270 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 249.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.8 MB of RAM.

**Detailed Error/Message File: CO.err

**File for Summary of Results: CO.sum

*** AERMOD - VERSION 16216r *** *** C:\AERMOD\9309\CO\CO.isc *** 11/22/19

*** AERMET - VERSION 16216 *** *** *** 08:34:15

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001688	0	0.66828E-04	471385.4	3752975.7	488.4	3.63	3.93	3.38	NO	
L0001689	0	0.66828E-04	471385.5	3752984.1	488.1	3.63	3.93	3.38	NO	
L0001690	0	0.66828E-04	471385.7	3752992.6	488.2	3.63	3.93	3.38	NO	
L0001691	0	0.66828E-04	471385.8	3753001.0	488.4	3.63	3.93	3.38	NO	
L0001692	0	0.66828E-04	471385.9	3753009.4	488.7	3.63	3.93	3.38	NO	
L0001693	0	0.66828E-04	471386.0	3753017.9	488.9	3.63	3.93	3.38	NO	
L0001694	0	0.66828E-04	471386.1	3753026.3	489.1	3.63	3.93	3.38	NO	
L0001695	0	0.66828E-04	471386.2	3753034.8	489.2	3.63	3.93	3.38	NO	
L0001696	0	0.66828E-04	471386.4	3753043.2	489.4	3.63	3.93	3.38	NO	
L0001697	0	0.66828E-04	471386.5	3753051.6	489.6	3.63	3.93	3.38	NO	
L0001698	0	0.66828E-04	471386.6	3753060.1	489.9	3.63	3.93	3.38	NO	
L0001699	0	0.66828E-04	471386.7	3753068.5	490.2	3.63	3.93	3.38	NO	
L0001700	0	0.66828E-04	471386.8	3753076.9	490.4	3.63	3.93	3.38	NO	
L0001701	0	0.66828E-04	471387.0	3753085.4	490.3	3.63	3.93	3.38	NO	
L0001702	0	0.66828E-04	471387.1	3753093.8	490.2	3.63	3.93	3.38	NO	
L0001703	0	0.66828E-04	471392.1	3753097.4	490.1	3.63	3.93	3.38	NO	
L0001704	0	0.66828E-04	471400.5	3753097.6	490.0	3.63	3.93	3.38	NO	
L0001705	0	0.66828E-04	471409.0	3753097.8	489.7	3.63	3.93	3.38	NO	
L0001706	0	0.66828E-04	471417.4	3753098.0	489.4	3.63	3.93	3.38	NO	
L0001707	0	0.66828E-04	471425.9	3753098.3	489.1	3.63	3.93	3.38	NO	
L0001708	0	0.66828E-04	471434.3	3753098.5	488.8	3.63	3.93	3.38	NO	
L0001709	0	0.66828E-04	471442.7	3753098.7	488.6	3.63	3.93	3.38	NO	
L0001710	0	0.66828E-04	471451.2	3753098.9	488.3	3.63	3.93	3.38	NO	
L0001711	0	0.66828E-04	471459.6	3753099.1	488.0	3.63	3.93	3.38	NO	
L0001712	0	0.66828E-04	471468.0	3753099.3	487.9	3.63	3.93	3.38	NO	
L0001713	0	0.66828E-04	471476.5	3753099.5	487.9	3.63	3.93	3.38	NO	
L0001714	0	0.66828E-04	471484.9	3753099.7	487.8	3.63	3.93	3.38	NO	
L0001715	0	0.66828E-04	471493.4	3753100.0	487.7	3.63	3.93	3.38	NO	
L0001716	0	0.66828E-04	471501.8	3753100.2	487.5	3.63	3.93	3.38	NO	
L0001717	0	0.66828E-04	471510.2	3753100.4	487.2	3.63	3.93	3.38	NO	
L0001718	0	0.66828E-04	471518.7	3753100.6	487.0	3.63	3.93	3.38	NO	
L0001719	0	0.66828E-04	471527.1	3753100.8	487.0	3.63	3.93	3.38	NO	
L0001720	0	0.66828E-04	471534.9	3753103.8	487.0	3.63	3.93	3.38	NO	

L0001721	0	0.66828E-04	471542.7	3753107.2	487.0	3.63	3.93	3.38	NO
L0001722	0	0.66828E-04	471550.4	3753110.5	487.1	3.63	3.93	3.38	NO
L0001723	0	0.66828E-04	471558.2	3753113.9	487.2	3.63	3.93	3.38	NO
L0001724	0	0.66828E-04	471560.6	3753120.6	487.5	3.63	3.93	3.38	NO
L0001725	0	0.66828E-04	471560.4	3753129.0	487.8	3.63	3.93	3.38	NO
L0001726	0	0.66828E-04	471560.1	3753137.4	488.0	3.63	3.93	3.38	NO
L0001727	0	0.66828E-04	471559.8	3753145.9	488.0	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001728	0	0.66828E-04	471559.5	3753154.3	488.0	3.63	3.93	3.38	NO	
L0001729	0	0.66828E-04	471559.3	3753162.8	488.0	3.63	3.93	3.38	NO	
L0001730	0	0.66828E-04	471559.0	3753171.2	488.0	3.63	3.93	3.38	NO	
L0001731	0	0.66828E-04	471558.7	3753179.6	488.0	3.63	3.93	3.38	NO	
L0001732	0	0.66828E-04	471558.5	3753188.1	488.0	3.63	3.93	3.38	NO	
L0001733	0	0.66828E-04	471558.2	3753196.5	488.0	3.63	3.93	3.38	NO	
L0001734	0	0.66828E-04	471557.9	3753204.9	488.0	3.63	3.93	3.38	NO	
L0001735	0	0.66828E-04	471557.7	3753213.4	488.0	3.63	3.93	3.38	NO	
L0001736	0	0.66828E-04	471557.4	3753221.8	488.0	3.63	3.93	3.38	NO	
L0001737	0	0.66828E-04	471557.1	3753230.2	488.0	3.63	3.93	3.38	NO	
L0001738	0	0.66828E-04	471556.8	3753238.7	488.0	3.63	3.93	3.38	NO	
L0001739	0	0.66828E-04	471556.6	3753247.1	488.0	3.63	3.93	3.38	NO	
L0001740	0	0.66828E-04	471556.3	3753255.5	488.0	3.63	3.93	3.38	NO	
L0001741	0	0.66828E-04	471556.0	3753264.0	488.0	3.63	3.93	3.38	NO	
L0001742	0	0.66828E-04	471555.8	3753272.4	488.0	3.63	3.93	3.38	NO	
L0001743	0	0.66828E-04	471555.5	3753280.9	488.0	3.63	3.93	3.38	NO	
L0001744	0	0.66828E-04	471555.2	3753289.3	487.9	3.63	3.93	3.38	NO	
L0001745	0	0.66828E-04	471555.0	3753297.7	487.6	3.63	3.93	3.38	NO	
L0001746	0	0.66828E-04	471554.7	3753306.2	487.4	3.63	3.93	3.38	NO	
L0001747	0	0.66828E-04	471554.4	3753314.6	487.1	3.63	3.93	3.38	NO	
L0001748	0	0.66828E-04	471554.1	3753323.0	486.8	3.63	3.93	3.38	NO	
L0001749	0	0.66828E-04	471553.9	3753331.5	486.5	3.63	3.93	3.38	NO	
L0001750	0	0.66828E-04	471553.6	3753339.9	486.2	3.63	3.93	3.38	NO	
L0001751	0	0.66828E-04	471553.3	3753348.3	485.8	3.63	3.93	3.38	NO	
L0001752	0	0.66828E-04	471553.1	3753356.8	485.1	3.63	3.93	3.38	NO	
L0001753	0	0.66828E-04	471552.8	3753365.2	484.3	3.63	3.93	3.38	NO	
L0001754	0	0.66828E-04	471552.5	3753373.6	483.5	3.63	3.93	3.38	NO	
L0001755	0	0.66828E-04	471552.3	3753382.1	483.2	3.63	3.93	3.38	NO	
L0001756	0	0.66828E-04	471552.0	3753390.5	483.1	3.63	3.93	3.38	NO	
L0001757	0	0.66828E-04	471551.7	3753399.0	483.1	3.63	3.93	3.38	NO	

L0001758	0	0.66828E-04	471551.5	3753407.4	483.0	3.63	3.93	3.38	NO
L0001759	0	0.66828E-04	471551.2	3753415.8	482.8	3.63	3.93	3.38	NO
L0001760	0	0.66828E-04	471547.1	3753421.9	482.4	3.63	3.93	3.38	NO
L0001761	0	0.66828E-04	471539.7	3753425.9	481.9	3.63	3.93	3.38	NO
L0001762	0	0.66828E-04	471532.3	3753429.9	481.5	3.63	3.93	3.38	NO
L0001763	0	0.66828E-04	471524.9	3753433.9	481.2	3.63	3.93	3.38	NO
L0001764	0	0.66828E-04	471517.4	3753437.9	481.4	3.63	3.93	3.38	NO
L0001765	0	0.66828E-04	471509.1	3753438.2	482.7	3.63	3.93	3.38	NO
L0001766	0	0.66828E-04	471500.7	3753437.9	484.2	3.63	3.93	3.38	NO
L0001767	0	0.66828E-04	471492.2	3753437.7	485.6	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001768	0	0.66828E-04	471483.8	3753437.4	486.4	3.63	3.93	3.38	NO	
L0001769	0	0.66828E-04	471475.4	3753437.1	486.9	3.63	3.93	3.38	NO	
L0001770	0	0.66828E-04	471466.9	3753436.8	487.5	3.63	3.93	3.38	NO	
L0001771	0	0.66828E-04	471458.5	3753436.6	488.0	3.63	3.93	3.38	NO	
L0001772	0	0.66828E-04	471450.1	3753436.3	488.0	3.63	3.93	3.38	NO	
L0001773	0	0.66828E-04	471441.6	3753436.0	487.9	3.63	3.93	3.38	NO	
L0001774	0	0.66828E-04	471433.2	3753435.7	487.9	3.63	3.93	3.38	NO	
L0001775	0	0.66828E-04	471424.8	3753435.5	487.4	3.63	3.93	3.38	NO	
L0001776	0	0.66828E-04	471416.3	3753435.2	486.6	3.63	3.93	3.38	NO	
L0001777	0	0.66828E-04	471407.9	3753434.9	485.8	3.63	3.93	3.38	NO	
L0001778	0	0.66828E-04	471403.1	3753428.7	485.1	3.63	3.93	3.38	NO	
L0001779	0	0.66828E-04	471398.9	3753421.3	484.4	3.63	3.93	3.38	NO	
L0001780	0	0.66828E-04	471396.1	3753413.7	483.9	3.63	3.93	3.38	NO	
L0001781	0	0.66828E-04	471396.4	3753405.2	483.6	3.63	3.93	3.38	NO	
L0001782	0	0.66828E-04	471396.7	3753396.8	483.4	3.63	3.93	3.38	NO	
L0001783	0	0.66828E-04	471395.3	3753388.6	483.1	3.63	3.93	3.38	NO	
L0001784	0	0.66828E-04	471392.5	3753380.6	482.6	3.63	3.93	3.38	NO	
L0001785	0	0.66828E-04	471389.8	3753372.7	482.4	3.63	3.93	3.38	NO	
L0001786	0	0.66828E-04	471387.2	3753364.6	482.5	3.63	3.93	3.38	NO	
L0001787	0	0.66828E-04	471385.0	3753356.5	482.7	3.63	3.93	3.38	NO	
L0001788	0	0.66828E-04	471382.8	3753348.3	482.9	3.63	3.93	3.38	NO	
L0001789	0	0.66828E-04	471380.6	3753340.2	483.8	3.63	3.93	3.38	NO	
L0001790	0	0.66828E-04	471379.2	3753331.9	484.8	3.63	3.93	3.38	NO	
L0001791	0	0.66828E-04	471379.2	3753323.5	485.8	3.63	3.93	3.38	NO	
L0001792	0	0.66828E-04	471379.2	3753315.1	486.7	3.63	3.93	3.38	NO	
L0001793	0	0.66828E-04	471379.2	3753306.6	487.1	3.63	3.93	3.38	NO	
L0001794	0	0.66828E-04	471379.2	3753298.2	487.5	3.63	3.93	3.38	NO	

L0001795	0	0.66828E-04	471379.2	3753289.7	487.9	3.63	3.93	3.38	NO
L0001796	0	0.66828E-04	471379.2	3753281.3	488.0	3.63	3.93	3.38	NO
L0001797	0	0.66828E-04	471379.2	3753272.9	488.0	3.63	3.93	3.38	NO
L0001798	0	0.66828E-04	471379.2	3753264.4	488.0	3.63	3.93	3.38	NO
L0001799	0	0.66828E-04	471379.2	3753256.0	488.0	3.63	3.93	3.38	NO
L0001800	0	0.66828E-04	471379.2	3753247.5	488.0	3.63	3.93	3.38	NO
L0001801	0	0.66828E-04	471379.2	3753239.1	488.0	3.63	3.93	3.38	NO
L0001802	0	0.66828E-04	471379.2	3753230.7	488.0	3.63	3.93	3.38	NO
L0001803	0	0.66828E-04	471379.2	3753222.2	488.1	3.63	3.93	3.38	NO
L0001804	0	0.66828E-04	471379.2	3753213.8	488.1	3.63	3.93	3.38	NO
L0001805	0	0.66828E-04	471379.2	3753205.3	488.2	3.63	3.93	3.38	NO
L0001806	0	0.66828E-04	471379.2	3753196.9	488.3	3.63	3.93	3.38	NO
L0001807	0	0.66828E-04	471379.2	3753188.5	488.7	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001808	0	0.66828E-04	471379.2	3753180.0	489.1	3.63	3.93	3.38	NO	
L0001809	0	0.66828E-04	471379.2	3753171.6	489.5	3.63	3.93	3.38	NO	
L0001810	0	0.66828E-04	471379.2	3753163.1	489.7	3.63	3.93	3.38	NO	
L0001811	0	0.66828E-04	471379.2	3753154.7	489.7	3.63	3.93	3.38	NO	
L0001812	0	0.66828E-04	471379.2	3753146.3	489.7	3.63	3.93	3.38	NO	
L0001813	0	0.66828E-04	471379.2	3753137.8	489.7	3.63	3.93	3.38	NO	
L0001814	0	0.66828E-04	471379.2	3753129.4	489.8	3.63	3.93	3.38	NO	
L0001815	0	0.66828E-04	471379.2	3753120.9	489.9	3.63	3.93	3.38	NO	
L0001816	0	0.66828E-04	471379.2	3753112.5	489.9	3.63	3.93	3.38	NO	
L0001817	0	0.66828E-04	471379.2	3753104.1	490.1	3.63	3.93	3.38	NO	
L0001818	0	0.66828E-04	471379.2	3753095.6	490.2	3.63	3.93	3.38	NO	
L0001819	0	0.66828E-04	471379.2	3753087.2	490.4	3.63	3.93	3.38	NO	
L0001820	0	0.66828E-04	471379.3	3753078.7	490.6	3.63	3.93	3.38	NO	
L0001821	0	0.66828E-04	471379.3	3753070.3	490.5	3.63	3.93	3.38	NO	
L0001822	0	0.66828E-04	471379.4	3753061.9	490.2	3.63	3.93	3.38	NO	
L0001823	0	0.66828E-04	471379.4	3753053.4	489.9	3.63	3.93	3.38	NO	
L0001824	0	0.66828E-04	471379.5	3753045.0	489.7	3.63	3.93	3.38	NO	
L0001825	0	0.66828E-04	471379.6	3753036.5	489.6	3.63	3.93	3.38	NO	
L0001826	0	0.66828E-04	471379.6	3753028.1	489.5	3.63	3.93	3.38	NO	
L0001827	0	0.66828E-04	471379.7	3753019.7	489.4	3.63	3.93	3.38	NO	
L0001828	0	0.66828E-04	471379.7	3753011.2	489.1	3.63	3.93	3.38	NO	
L0001829	0	0.66828E-04	471379.8	3753002.8	488.7	3.63	3.93	3.38	NO	
L0001830	0	0.66828E-04	471379.9	3752994.3	488.3	3.63	3.93	3.38	NO	
L0001831	0	0.66828E-04	471379.9	3752985.9	488.0	3.63	3.93	3.38	NO	

L0001832	0	0.66828E-04	471380.0	3752977.5	488.3	3.63	3.93	3.38	NO
L0001833	0	0.84483E-04	470993.5	3753186.3	495.4	3.63	3.93	3.38	NO
L0001834	0	0.84483E-04	471002.0	3753186.4	494.9	3.63	3.93	3.38	NO
L0001835	0	0.84483E-04	471010.4	3753186.6	494.3	3.63	3.93	3.38	NO
L0001836	0	0.84483E-04	471018.8	3753186.7	494.2	3.63	3.93	3.38	NO
L0001837	0	0.84483E-04	471027.3	3753186.8	494.1	3.63	3.93	3.38	NO
L0001838	0	0.84483E-04	471035.7	3753187.0	494.0	3.63	3.93	3.38	NO
L0001839	0	0.84483E-04	471044.2	3753187.1	493.7	3.63	3.93	3.38	NO
L0001840	0	0.84483E-04	471052.6	3753187.2	493.3	3.63	3.93	3.38	NO
L0001841	0	0.84483E-04	471061.0	3753187.4	492.8	3.63	3.93	3.38	NO
L0001842	0	0.84483E-04	471069.5	3753187.5	492.3	3.63	3.93	3.38	NO
L0001843	0	0.84483E-04	471077.9	3753187.6	492.0	3.63	3.93	3.38	NO
L0001844	0	0.84483E-04	471086.4	3753187.8	491.7	3.63	3.93	3.38	NO
L0001845	0	0.84483E-04	471094.8	3753187.9	491.4	3.63	3.93	3.38	NO
L0001846	0	0.84483E-04	471103.2	3753188.0	491.2	3.63	3.93	3.38	NO
L0001847	0	0.84483E-04	471111.7	3753188.1	490.9	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001848	0	0.84483E-04	471120.1	3753188.3	490.6	3.63	3.93	3.38	NO	
L0001849	0	0.84483E-04	471128.5	3753188.4	490.3	3.63	3.93	3.38	NO	
L0001850	0	0.84483E-04	471137.0	3753188.5	490.0	3.63	3.93	3.38	NO	
L0001851	0	0.84483E-04	471145.4	3753188.7	489.7	3.63	3.93	3.38	NO	
L0001852	0	0.84483E-04	471153.9	3753188.8	489.4	3.63	3.93	3.38	NO	
L0001853	0	0.84483E-04	471162.3	3753188.9	489.3	3.63	3.93	3.38	NO	
L0001854	0	0.84483E-04	471170.7	3753189.1	489.2	3.63	3.93	3.38	NO	
L0001855	0	0.84483E-04	471179.2	3753189.2	489.2	3.63	3.93	3.38	NO	
L0001856	0	0.84483E-04	471187.6	3753189.3	489.2	3.63	3.93	3.38	NO	
L0001857	0	0.84483E-04	471196.1	3753189.5	489.2	3.63	3.93	3.38	NO	
L0001858	0	0.84483E-04	471204.5	3753189.6	489.1	3.63	3.93	3.38	NO	
L0001859	0	0.84483E-04	471212.9	3753189.7	489.1	3.63	3.93	3.38	NO	
L0001860	0	0.84483E-04	471221.4	3753189.9	488.9	3.63	3.93	3.38	NO	
L0001861	0	0.84483E-04	471229.8	3753190.0	488.7	3.63	3.93	3.38	NO	
L0001862	0	0.84483E-04	471231.6	3753183.8	488.6	3.63	3.93	3.38	NO	
L0001863	0	0.84483E-04	471223.9	3753182.8	488.9	3.63	3.93	3.38	NO	
L0001864	0	0.84483E-04	471215.5	3753182.7	489.1	3.63	3.93	3.38	NO	
L0001865	0	0.84483E-04	471207.1	3753182.6	489.2	3.63	3.93	3.38	NO	
L0001866	0	0.84483E-04	471198.6	3753182.4	489.3	3.63	3.93	3.38	NO	
L0001867	0	0.84483E-04	471190.2	3753182.3	489.5	3.63	3.93	3.38	NO	
L0001868	0	0.84483E-04	471181.7	3753182.2	489.5	3.63	3.93	3.38	NO	

L0001869	0	0.84483E-04	471173.3	3753182.0	489.5	3.63	3.93	3.38	NO
L0001870	0	0.84483E-04	471164.9	3753181.9	489.5	3.63	3.93	3.38	NO
L0001871	0	0.84483E-04	471156.4	3753181.8	489.6	3.63	3.93	3.38	NO
L0001872	0	0.84483E-04	471148.0	3753181.6	489.9	3.63	3.93	3.38	NO
L0001873	0	0.84483E-04	471139.5	3753181.5	490.2	3.63	3.93	3.38	NO
L0001874	0	0.84483E-04	471131.1	3753181.4	490.5	3.63	3.93	3.38	NO
L0001875	0	0.84483E-04	471122.7	3753181.2	490.7	3.63	3.93	3.38	NO
L0001876	0	0.84483E-04	471114.2	3753181.1	491.0	3.63	3.93	3.38	NO
L0001877	0	0.84483E-04	471105.8	3753181.0	491.3	3.63	3.93	3.38	NO
L0001878	0	0.84483E-04	471097.4	3753180.8	491.6	3.63	3.93	3.38	NO
L0001879	0	0.84483E-04	471088.9	3753180.7	491.9	3.63	3.93	3.38	NO
L0001880	0	0.84483E-04	471080.5	3753180.6	492.2	3.63	3.93	3.38	NO
L0001881	0	0.84483E-04	471072.0	3753180.4	492.5	3.63	3.93	3.38	NO
L0001882	0	0.84483E-04	471063.6	3753180.3	492.8	3.63	3.93	3.38	NO
L0001883	0	0.84483E-04	471055.2	3753180.2	493.2	3.63	3.93	3.38	NO
L0001884	0	0.84483E-04	471046.7	3753180.0	493.7	3.63	3.93	3.38	NO
L0001885	0	0.84483E-04	471038.3	3753179.9	494.0	3.63	3.93	3.38	NO
L0001886	0	0.84483E-04	471029.8	3753179.8	494.2	3.63	3.93	3.38	NO
L0001887	0	0.84483E-04	471021.4	3753179.6	494.3	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001888	0	0.84483E-04	471013.0	3753179.5	494.5	3.63	3.93	3.38	NO	
L0001889	0	0.84483E-04	471004.5	3753179.4	494.9	3.63	3.93	3.38	NO	
L0001890	0	0.84483E-04	470996.1	3753179.2	495.5	3.63	3.93	3.38	NO	
L0001891	0	0.11423E-02	471402.4	3753337.5	484.7	3.63	3.93	3.38	NO	
L0001892	0	0.11423E-02	471402.4	3753329.1	486.0	3.63	3.93	3.38	NO	
L0001893	0	0.11423E-02	471402.4	3753320.7	487.2	3.63	3.93	3.38	NO	
L0001894	0	0.11423E-02	471402.4	3753312.2	487.8	3.63	3.93	3.38	NO	
L0001895	0	0.11423E-02	471402.4	3753303.8	487.9	3.63	3.93	3.38	NO	
L0001896	0	0.11423E-02	471402.4	3753295.3	487.9	3.63	3.93	3.38	NO	
L0001897	0	0.11423E-02	471402.4	3753286.9	488.0	3.63	3.93	3.38	NO	
L0001898	0	0.11423E-02	471402.4	3753278.5	488.0	3.63	3.93	3.38	NO	
L0001899	0	0.11423E-02	471402.4	3753270.0	488.0	3.63	3.93	3.38	NO	
L0001900	0	0.11423E-02	471402.4	3753261.6	488.0	3.63	3.93	3.38	NO	
L0001901	0	0.11423E-02	471402.4	3753253.1	488.0	3.63	3.93	3.38	NO	
L0001902	0	0.11423E-02	471402.4	3753244.7	488.0	3.63	3.93	3.38	NO	
L0001903	0	0.11423E-02	471402.4	3753236.3	488.1	3.63	3.93	3.38	NO	
L0001904	0	0.11423E-02	471402.4	3753227.8	488.1	3.63	3.93	3.38	NO	
L0001905	0	0.11423E-02	471402.4	3753219.4	488.3	3.63	3.93	3.38	NO	

L0001906	0	0.11423E-02	471402.4	3753210.9	488.6	3.63	3.93	3.38	NO
L0001907	0	0.11423E-02	471402.4	3753202.5	488.8	3.63	3.93	3.38	NO
L0001908	0	0.11423E-02	471402.4	3753194.1	489.0	3.63	3.93	3.38	NO
L0001909	0	0.11423E-02	471402.4	3753185.6	489.0	3.63	3.93	3.38	NO
L0001910	0	0.11423E-02	471402.4	3753177.2	489.0	3.63	3.93	3.38	NO
L0001911	0	0.11423E-02	471402.4	3753168.7	489.0	3.63	3.93	3.38	NO
L0001912	0	0.11618E-02	471534.8	3753393.6	482.4	3.63	3.93	3.38	NO
L0001913	0	0.11618E-02	471534.9	3753385.1	482.7	3.63	3.93	3.38	NO
L0001914	0	0.11618E-02	471535.0	3753376.7	483.0	3.63	3.93	3.38	NO
L0001915	0	0.11618E-02	471535.1	3753368.2	483.8	3.63	3.93	3.38	NO
L0001916	0	0.11618E-02	471535.2	3753359.8	484.7	3.63	3.93	3.38	NO
L0001917	0	0.11618E-02	471535.2	3753351.4	485.5	3.63	3.93	3.38	NO
L0001918	0	0.11618E-02	471535.3	3753342.9	486.1	3.63	3.93	3.38	NO
L0001919	0	0.11618E-02	471535.4	3753334.5	486.2	3.63	3.93	3.38	NO
L0001920	0	0.11618E-02	471535.5	3753326.0	486.4	3.63	3.93	3.38	NO
L0001921	0	0.11618E-02	471535.6	3753317.6	486.5	3.63	3.93	3.38	NO
L0001922	0	0.11618E-02	471535.7	3753309.2	486.8	3.63	3.93	3.38	NO
L0001923	0	0.11618E-02	471535.8	3753300.7	487.1	3.63	3.93	3.38	NO
L0001924	0	0.11618E-02	471535.9	3753292.3	487.4	3.63	3.93	3.38	NO
L0001925	0	0.11618E-02	471536.0	3753283.8	487.6	3.63	3.93	3.38	NO
L0001926	0	0.11618E-02	471536.1	3753275.4	487.6	3.63	3.93	3.38	NO
L0001927	0	0.11618E-02	471536.2	3753267.0	487.6	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001928	0	0.11618E-02	471536.3	3753258.5	487.6	3.63	3.93	3.38	NO	
L0001929	0	0.11618E-02	471536.4	3753250.1	487.6	3.63	3.93	3.38	NO	
L0001930	0	0.11618E-02	471536.5	3753241.6	487.6	3.63	3.93	3.38	NO	
L0001931	0	0.11618E-02	471536.6	3753233.2	487.6	3.63	3.93	3.38	NO	
L0001932	0	0.11618E-02	471536.7	3753224.8	487.6	3.63	3.93	3.38	NO	
L0001933	0	0.11618E-02	471536.8	3753216.3	487.6	3.63	3.93	3.38	NO	
L0001934	0	0.11618E-02	471536.9	3753207.9	487.6	3.63	3.93	3.38	NO	
L0001935	0	0.11618E-02	471536.9	3753199.4	487.6	3.63	3.93	3.38	NO	
L0001936	0	0.11618E-02	471537.0	3753191.0	487.6	3.63	3.93	3.38	NO	
L0001937	0	0.11618E-02	471537.1	3753182.6	487.6	3.63	3.93	3.38	NO	
L0001938	0	0.11618E-02	471537.2	3753174.1	487.6	3.63	3.93	3.38	NO	
L0001939	0	0.11330E-02	471068.9	3753208.3	491.6	3.63	3.93	3.38	NO	
L0001940	0	0.11330E-02	471077.4	3753208.4	491.4	3.63	3.93	3.38	NO	
L0001941	0	0.11330E-02	471085.8	3753208.4	491.1	3.63	3.93	3.38	NO	
L0001942	0	0.11330E-02	471094.3	3753208.5	490.8	3.63	3.93	3.38	NO	

L0001943	0	0.11330E-02	471102.7	3753208.5	490.5	3.63	3.93	3.38	NO
L0001944	0	0.11330E-02	471111.1	3753208.6	490.1	3.63	3.93	3.38	NO
L0001945	0	0.11330E-02	471119.6	3753208.7	489.7	3.63	3.93	3.38	NO
L0001946	0	0.11330E-02	471128.0	3753208.7	489.3	3.63	3.93	3.38	NO
L0001947	0	0.11330E-02	471136.5	3753208.8	489.1	3.63	3.93	3.38	NO
L0001948	0	0.11330E-02	471144.9	3753208.8	488.9	3.63	3.93	3.38	NO
L0001949	0	0.11330E-02	471153.3	3753208.9	488.7	3.63	3.93	3.38	NO
L0001950	0	0.11330E-02	471161.8	3753209.0	488.6	3.63	3.93	3.38	NO
L0001951	0	0.11330E-02	471170.2	3753209.0	488.6	3.63	3.93	3.38	NO
L0001952	0	0.11330E-02	471178.7	3753209.1	488.6	3.63	3.93	3.38	NO
L0001953	0	0.11330E-02	471187.1	3753209.2	488.6	3.63	3.93	3.38	NO
L0001954	0	0.11330E-02	471195.5	3753209.2	488.6	3.63	3.93	3.38	NO
L0001955	0	0.11330E-02	471204.0	3753209.3	488.6	3.63	3.93	3.38	NO
L0001956	0	0.11330E-02	471212.4	3753209.3	488.6	3.63	3.93	3.38	NO
L0001957	0	0.11330E-02	471220.9	3753209.4	488.6	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0001688 , L0001689 , L0001690 , L0001691 , L0001692 , L0001693 , L0001694 , L0001695 ,
	L0001696 , L0001697 , L0001698 , L0001699 , L0001700 , L0001701 , L0001702 , L0001703 ,
	L0001704 , L0001705 , L0001706 , L0001707 , L0001708 , L0001709 , L0001710 , L0001711 ,
	L0001712 , L0001713 , L0001714 , L0001715 , L0001716 , L0001717 , L0001718 , L0001719 ,
	L0001720 , L0001721 , L0001722 , L0001723 , L0001724 , L0001725 , L0001726 , L0001727 ,
	L0001728 , L0001729 , L0001730 , L0001731 , L0001732 , L0001733 , L0001734 , L0001735 ,
	L0001736 , L0001737 , L0001738 , L0001739 , L0001740 , L0001741 , L0001742 , L0001743 ,
	L0001744 , L0001745 , L0001746 , L0001747 , L0001748 , L0001749 , L0001750 , L0001751 ,
	L0001752 , L0001753 , L0001754 , L0001755 , L0001756 , L0001757 , L0001758 , L0001759 ,
	L0001760 , L0001761 , L0001762 , L0001763 , L0001764 , L0001765 , L0001766 , L0001767 ,
	L0001768 , L0001769 , L0001770 , L0001771 , L0001772 , L0001773 , L0001774 , L0001775 ,
	L0001776 , L0001777 , L0001778 , L0001779 , L0001780 , L0001781 , L0001782 , L0001783 ,

L0001784 , L0001785 , L0001786 , L0001787 , L0001788 , L0001789 , L0001790 , L0001791 ,

L0001792 , L0001793 , L0001794 , L0001795 , L0001796 , L0001797 , L0001798 , L0001799 ,

L0001800 , L0001801 , L0001802 , L0001803 , L0001804 , L0001805 , L0001806 , L0001807 ,

L0001808 , L0001809 , L0001810 , L0001811 , L0001812 , L0001813 , L0001814 , L0001815 ,

L0001816 , L0001817 , L0001818 , L0001819 , L0001820 , L0001821 , L0001822 , L0001823 ,

L0001824 , L0001825 , L0001826 , L0001827 , L0001828 , L0001829 , L0001830 , L0001831 ,

L0001832 , L0001833 , L0001834 , L0001835 , L0001836 , L0001837 , L0001838 , L0001839 ,

L0001840 , L0001841 , L0001842 , L0001843 , L0001844 , L0001845 , L0001846 , L0001847 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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

L0001848 , L0001849 , L0001850 , L0001851 , L0001852 , L0001853 , L0001854 , L0001855 ,

L0001856 , L0001857 , L0001858 , L0001859 , L0001860 , L0001861 , L0001862 , L0001863 ,

L0001864 , L0001865 , L0001866 , L0001867 , L0001868 , L0001869 , L0001870 , L0001871 ,

L0001872 , L0001873 , L0001874 , L0001875 , L0001876 , L0001877 , L0001878 , L0001879 ,

L0001880 , L0001881 , L0001882 , L0001883 , L0001884 , L0001885 , L0001886 , L0001887 ,

L0001888 , L0001889 , L0001890 , L0001891 , L0001892 , L0001893 , L0001894 , L0001895 ,

L0001896 , L0001897 , L0001898 , L0001899 , L0001900 , L0001901 , L0001902 , L0001903 ,

L0001904 , L0001905 , L0001906 , L0001907 , L0001908 , L0001909 , L0001910 , L0001911 ,

L0001912 , L0001913 , L0001914 , L0001915 , L0001916 , L0001917 , L0001918 , L0001919 ,

L0001920 , 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 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

470324.3, 470374.3, 470424.3, 470474.3, 470524.3, 470574.3, 470624.3, 470674.3, 470724.3, 470774.3,
470824.3, 470874.3, 470924.3, 470974.3, 471024.3, 471074.3, 471124.3, 471174.3, 471224.3, 471274.3,
471324.3, 471374.3, 471424.3, 471474.3, 471524.3, 471574.3, 471624.3, 471674.3, 471724.3, 471774.3,
471824.3, 471874.3, 471924.3, 471974.3, 472024.3, 472074.3, 472124.3, 472174.3, 472224.3, 472274.3,

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

3752273.1, 3752323.1, 3752373.1, 3752423.1, 3752473.1, 3752523.1, 3752573.1, 3752623.1, 3752673.1, 3752723.1,
3752773.1, 3752823.1, 3752873.1, 3752923.1, 3752973.1, 3753023.1, 3753073.1, 3753123.1, 3753173.1, 3753223.1,
3753273.1, 3753323.1, 3753373.1, 3753423.1, 3753473.1, 3753523.1, 3753573.1, 3753623.1, 3753673.1, 3753723.1,
3753773.1, 3753823.1, 3753873.1, 3753923.1, 3753973.1, 3754023.1, 3754073.1, 3754123.1, 3754173.1, 3754223.1,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470324.27	470374.27	470424.27	470474.27	470524.27	470574.27	470624.27	470674.27	470724.27
3754223.10	475.20	475.40	475.10	474.30	473.60	470.80	466.80	467.50	466.30
3754173.10	485.60	482.30	479.00	476.60	472.40	468.70	470.10	471.70	469.90
3754123.10	489.30	483.40	479.50	475.60	469.80	470.10	472.30	474.30	474.00
3754073.10	485.60	477.00	474.30	475.30	484.60	481.60	474.20	479.70	474.00
3754023.10	480.20	475.90	479.20	487.20	488.20	483.00	482.80	475.60	475.80
3753973.10	483.00	483.40	488.40	487.90	487.20	486.60	482.30	477.90	479.40

3753923.10 |	485.30	489.40	493.40	491.00	489.90	487.50	482.80	482.10	484.00
3753873.10 |	487.10	492.00	495.90	495.70	493.30	490.40	486.70	483.30	487.60
3753823.10 |	490.20	494.70	500.20	500.90	498.70	495.00	489.70	485.60	488.00
3753773.10 |	491.00	497.80	501.90	501.70	499.70	493.50	489.70	487.60	488.80
3753723.10 |	494.30	499.40	501.50	500.50	498.70	494.70	492.70	491.50	489.30
3753673.10 |	500.00	500.10	500.50	500.60	498.30	495.30	495.00	492.50	488.60
3753623.10 |	500.20	500.40	500.90	499.90	499.70	499.00	495.80	493.40	489.80
3753573.10 |	500.50	502.20	501.20	500.50	500.10	499.30	496.10	493.50	493.00
3753523.10 |	502.00	502.10	502.20	501.10	500.30	499.10	497.80	495.30	494.10
3753473.10 |	502.80	503.00	503.90	502.90	502.10	501.20	500.30	497.10	495.70
3753423.10 |	502.60	503.50	504.70	505.50	505.00	502.70	500.30	498.20	497.70
3753373.10 |	503.30	504.00	505.00	506.20	506.20	503.50	500.00	499.00	498.60
3753323.10 |	504.00	504.60	505.00	506.20	506.20	503.50	501.50	499.20	499.80
3753273.10 |	503.10	503.80	505.20	507.20	507.60	505.50	501.30	500.50	501.00
3753223.10 |	500.30	504.50	507.30	512.80	512.70	507.90	505.80	503.40	501.90
3753173.10 |	500.30	504.50	509.50	519.70	518.70	513.00	506.50	503.40	501.10
3753123.10 |	499.80	501.50	506.00	514.10	517.50	511.40	505.50	504.60	502.50
3753073.10 |	497.90	498.80	500.90	504.60	505.50	506.20	504.80	503.90	503.90
3753023.10 |	497.20	498.80	499.70	500.40	501.40	501.50	501.30	501.10	502.20
3752973.10 |	496.10	497.00	497.10	497.80	498.50	499.30	500.00	500.00	501.50
3752923.10 |	494.90	494.90	493.90	494.30	497.60	499.60	500.10	500.80	500.90
3752873.10 |	493.20	493.20	493.50	495.00	498.30	500.40	501.00	500.30	500.10
3752823.10 |	493.50	493.50	493.70	494.30	498.00	499.70	500.00	499.60	499.50
3752773.10 |	494.00	494.00	494.00	494.00	496.90	499.20	498.90	498.90	498.90
3752723.10 |	494.00	494.00	494.00	494.00	494.00	495.40	496.60	497.20	498.00
3752673.10 |	492.60	493.80	494.00	494.50	494.90	497.00	496.50	496.90	497.50
3752623.10 |	491.90	493.70	493.90	494.00	494.80	495.90	495.00	495.00	496.50
3752573.10 |	489.40	491.30	492.20	494.00	494.20	495.00	494.20	494.80	495.70
3752523.10 |	488.00	488.50	489.30	492.30	493.90	494.50	494.00	494.00	495.30
3752473.10 |	488.10	488.10	488.10	489.60	493.80	494.00	494.00	494.10	494.70
3752423.10 |	489.80	489.80	489.70	491.40	492.90	493.60	494.80	495.60	496.40
3752373.10 |	489.20	490.50	491.70	492.50	492.90	493.50	494.20	496.60	498.70
3752323.10 |	488.10	491.40	492.50	494.30	495.10	495.20	494.60	498.50	500.10
3752273.10 |	490.10	493.20	492.90	494.30	495.80	498.20	498.50	499.10	500.50

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD | (METERS) |	X-COORD (METERS) 470774.27	470824.27	470874.27	470924.27	470974.27	471024.27	471074.27	471124.27	471174.27
3754223.10 |	467.20	470.70	469.70	462.20	456.70	454.30	460.50	453.00	447.00
3754173.10 |	468.00	468.50	469.30	466.40	462.80	460.80	467.00	461.30	453.00
3754123.10 |	469.40	469.70	469.40	468.20	464.80	471.00	471.90	464.40	454.00

3754073.10 |	473.80	477.00	472.60	470.60	469.10	474.50	473.30	466.20	458.20
3754023.10 |	481.20	481.90	479.70	481.30	474.40	470.50	475.20	467.90	463.10
3753973.10 |	484.00	483.70	483.30	482.20	481.90	474.20	475.80	479.90	473.20
3753923.10 |	485.90	481.60	479.20	476.90	475.00	476.60	475.30	481.80	479.20
3753873.10 |	486.20	481.00	478.80	475.00	479.40	481.50	479.90	478.70	475.90
3753823.10 |	483.60	487.10	483.80	475.40	478.50	483.60	482.90	482.70	479.20
3753773.10 |	487.20	490.30	488.00	480.50	480.10	484.00	480.80	476.50	475.10
3753723.10 |	488.00	489.20	488.20	482.10	482.50	486.20	481.70	478.60	474.80
3753673.10 |	488.30	489.90	487.90	482.10	484.60	488.20	485.70	480.50	474.10
3753623.10 |	489.80	490.80	488.70	486.30	488.30	489.90	485.80	478.50	475.40
3753573.10 |	492.80	492.80	489.70	487.80	491.10	488.90	483.00	481.30	481.10
3753523.10 |	494.90	494.90	491.90	495.60	494.60	493.90	489.30	489.00	486.70
3753473.10 |	497.20	497.40	496.80	500.80	500.40	498.10	493.50	490.30	487.30
3753423.10 |	500.00	499.50	499.70	500.10	499.40	497.30	493.50	488.40	487.90
3753373.10 |	500.00	500.00	500.40	498.90	496.40	494.00	492.40	493.80	494.00
3753323.10 |	499.90	499.20	499.20	497.80	495.40	494.80	494.80	494.10	492.70
3753273.10 |	500.40	499.20	498.20	497.50	495.80	494.50	493.50	492.00	488.80
3753223.10 |	500.70	499.30	499.10	498.70	495.40	493.10	491.00	488.60	488.10
3753173.10 |	500.00	500.00	500.00	498.80	497.00	494.40	492.60	491.00	489.80
3753123.10 |	501.40	500.60	500.00	500.40	499.20	495.00	493.50	492.20	490.50
3753073.10 |	502.80	501.30	501.10	500.10	498.40	495.60	493.90	492.30	490.20
3753023.10 |	502.20	502.00	501.20	500.80	499.20	496.00	493.90	492.40	491.50
3752973.10 |	501.50	501.10	501.00	500.40	498.40	494.30	493.00	492.50	492.70
3752923.10 |	500.90	500.20	500.00	500.00	497.50	494.40	495.00	494.20	494.70
3752873.10 |	500.00	500.00	500.00	499.90	499.40	498.20	497.70	498.40	498.00
3752823.10 |	499.10	499.90	500.00	500.10	500.50	499.70	500.10	500.50	500.50
3752773.10 |	499.90	500.00	500.00	500.00	500.80	500.60	501.10	501.80	502.00
3752723.10 |	499.00	499.90	500.00	500.10	501.00	501.80	502.10	502.80	502.80
3752673.10 |	498.10	498.90	499.30	500.00	501.20	502.50	503.50	503.90	503.70
3752623.10 |	497.90	498.10	499.10	500.00	500.80	502.90	504.20	505.10	505.00
3752573.10 |	496.50	498.20	499.50	500.90	501.80	502.90	504.90	506.00	505.80
3752523.10 |	497.60	498.80	500.20	501.60	503.30	503.70	504.60	505.80	507.20
3752473.10 |	497.30	498.80	500.50	502.40	504.10	504.60	505.00	505.70	506.50
3752423.10 |	498.20	499.60	500.10	504.10	505.80	505.40	505.90	505.90	506.10
3752373.10 |	499.50	500.40	501.70	504.70	505.90	506.30	506.90	509.30	509.30
3752323.10 |	500.10	500.00	501.50	503.10	504.00	505.50	506.70	510.90	513.00
3752273.10 |	501.00	500.10	501.50	503.10	504.60	506.30	508.20	511.70	513.40

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD | (METERS) |	X-COORD (METERS) 471224.27	471274.27	471324.27	471374.27	471424.27	471474.27	471524.27	471574.27	471624.27

3754223.10 |	440.80	437.10	439.70	449.00	457.90	463.20	464.20	466.50	466.90
3754173.10 |	445.90	440.60	439.10	439.90	447.60	454.20	459.50	463.00	467.50
3754123.10 |	451.20	447.50	443.20	440.20	442.30	448.10	456.20	461.10	464.00
3754073.10 |	452.20	451.60	447.20	443.90	440.50	443.40	450.80	455.60	459.30
3754023.10 |	460.80	451.80	452.40	449.50	446.70	441.90	445.10	448.50	454.20
3753973.10 |	462.20	458.60	456.40	454.00	451.60	448.60	443.40	445.80	451.00
3753923.10 |	470.20	467.10	462.20	458.40	456.90	452.90	446.00	445.60	448.70
3753873.10 |	474.90	474.50	466.70	460.60	454.70	448.30	444.50	444.10	445.90
3753823.10 |	475.50	471.30	466.90	458.90	457.00	457.70	452.50	446.20	447.60
3753773.10 |	472.00	468.50	468.60	468.80	464.70	463.00	462.60	456.40	454.40
3753723.10 |	474.40	470.30	469.30	471.10	469.50	466.60	466.50	462.80	456.60
3753673.10 |	471.30	470.40	469.50	470.20	474.50	469.60	469.00	464.30	464.70
3753623.10 |	477.90	472.90	469.50	473.30	477.60	472.10	468.50	466.50	469.50
3753573.10 |	480.10	475.80	473.00	478.00	483.50	480.20	472.40	475.50	476.00
3753523.10 |	482.20	475.60	478.60	485.60	489.00	485.90	481.40	476.30	480.00
3753473.10 |	482.20	478.40	479.50	484.70	488.60	487.70	481.60	481.10	481.30
3753423.10 |	486.20	481.10	480.70	482.50	486.60	485.90	481.20	483.30	483.60
3753373.10 |	484.40	481.30	481.50	481.50	485.60	486.70	483.40	484.80	487.90
3753323.10 |	485.90	484.20	481.90	485.60	486.30	488.00	486.10	486.80	487.50
3753273.10 |	488.00	487.20	485.10	488.00	488.00	488.00	487.20	488.00	488.00
3753223.10 |	488.10	487.90	487.10	488.00	488.80	488.00	487.20	488.00	488.00
3753173.10 |	488.80	487.20	488.40	489.50	489.00	488.00	487.20	488.00	488.00
3753123.10 |	488.80	488.00	488.70	489.90	489.10	488.00	487.10	487.50	487.80
3753073.10 |	488.80	488.10	489.60	490.70	489.10	487.60	487.10	487.80	487.60
3753023.10 |	491.10	490.40	490.40	489.70	488.00	488.00	488.00	488.00	488.40
3752973.10 |	492.90	492.50	492.20	488.50	488.80	489.90	489.80	489.00	489.00
3752923.10 |	494.40	494.40	494.20	492.20	493.70	492.60	493.80	492.20	490.60
3752873.10 |	497.60	498.20	497.90	495.40	494.80	493.50	494.00	493.00	491.50
3752823.10 |	499.50	500.40	500.00	498.30	496.60	494.00	494.50	493.60	492.20
3752773.10 |	501.10	501.80	500.50	499.00	499.10	497.20	497.90	494.50	493.10
3752723.10 |	502.70	502.60	501.30	499.80	500.60	499.80	500.00	497.10	493.90
3752673.10 |	503.50	503.50	502.40	501.30	500.10	500.00	499.80	497.50	496.60
3752623.10 |	504.30	505.10	505.10	501.70	500.00	500.60	500.00	500.10	499.20
3752573.10 |	505.70	505.80	505.90	502.50	500.20	501.90	500.40	503.20	501.30
3752523.10 |	506.40	506.00	506.50	503.30	502.40	505.50	505.80	507.90	504.40
3752473.10 |	507.90	506.30	507.20	505.30	506.80	508.30	508.10	511.90	506.80
3752423.10 |	508.10	510.50	511.40	507.30	507.50	512.60	515.30	513.50	511.50
3752373.10 |	510.40	511.70	512.80	511.70	509.90	516.10	519.40	515.10	514.40
3752323.10 |	512.90	512.80	512.10	513.80	513.10	518.90	520.10	518.60	518.10
3752273.10 |	514.60	513.70	515.30	516.70	517.40	518.40	521.90	520.50	518.90

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD | X-COORD (METERS)

(METERS)	471674.27	471724.27	471774.27	471824.27	471874.27	471924.27	471974.27	472024.27	472074.27
3754223.10	468.50	467.20	466.90	465.20	465.20	465.10	465.00	464.40	464.50
3754173.10	469.10	465.00	465.10	463.50	463.10	464.30	464.50	464.00	464.00
3754123.10	468.60	463.20	463.20	462.40	462.80	463.00	464.00	463.90	463.00
3754073.10	462.90	458.90	457.50	457.30	462.60	463.00	463.20	463.00	463.00
3754023.10	455.00	452.50	452.90	456.70	460.70	461.90	462.50	462.90	463.00
3753973.10	452.60	450.40	450.60	454.00	455.30	457.40	462.50	463.00	462.90
3753923.10	445.40	444.20	446.30	450.90	451.20	459.70	463.40	462.40	461.30
3753873.10	446.00	448.40	446.30	444.40	448.00	452.20	454.60	457.30	454.40
3753823.10	448.40	451.00	458.00	451.60	444.20	445.30	446.40	448.50	450.00
3753773.10	449.90	452.50	457.20	456.80	451.50	446.80	444.00	450.40	459.00
3753723.10	458.90	454.00	458.20	460.50	457.80	451.00	450.10	450.60	453.10
3753673.10	465.20	462.10	458.50	464.50	458.20	455.10	462.70	463.20	450.90
3753623.10	470.30	469.30	462.50	464.30	463.40	460.70	467.10	464.20	453.50
3753573.10	479.50	476.30	469.10	467.30	464.80	462.70	467.50	467.40	465.60
3753523.10	482.30	482.80	475.50	472.90	470.50	465.30	465.60	472.40	469.20
3753473.10	482.00	479.10	479.10	478.50	474.90	468.70	463.80	471.30	472.50
3753423.10	484.10	481.70	482.90	480.40	475.40	471.80	469.50	469.30	473.90
3753373.10	486.70	483.60	484.50	481.10	475.50	476.60	478.00	471.50	473.50
3753323.10	488.00	487.80	485.20	481.10	476.90	482.50	481.20	475.40	474.40
3753273.10	489.00	488.20	487.50	484.10	481.50	485.90	483.40	477.60	474.50
3753223.10	488.10	488.20	488.00	487.00	486.20	487.60	485.20	476.10	474.10
3753173.10	488.00	487.40	487.60	488.80	488.80	488.50	484.30	475.80	475.80
3753123.10	487.50	486.60	485.50	485.40	485.70	484.50	481.40	481.80	481.50
3753073.10	486.20	486.20	484.30	482.20	481.10	481.20	482.30	482.80	481.80
3753023.10	488.10	488.10	487.60	486.30	485.80	485.80	484.20	481.90	481.20
3752973.10	490.40	490.80	490.10	488.50	488.90	487.50	486.50	486.00	485.40
3752923.10	492.30	494.00	493.10	491.00	490.10	488.70	487.60	493.30	491.80
3752873.10	492.30	494.00	493.50	492.00	491.80	490.80	488.30	493.30	493.60
3752823.10	492.50	493.50	494.00	493.30	493.30	494.00	491.40	494.80	493.20
3752773.10	494.00	494.00	494.10	494.90	494.90	494.50	492.40	495.00	493.50
3752723.10	494.80	494.80	495.00	495.80	496.00	494.50	493.20	497.10	493.80
3752673.10	496.90	497.40	497.20	496.50	495.60	494.50	494.20	499.20	497.90
3752623.10	499.90	499.90	499.20	497.90	496.30	494.50	494.40	499.00	498.80
3752573.10	500.00	500.80	500.90	498.80	498.60	498.00	497.40	497.10	496.70
3752523.10	501.20	502.00	501.70	501.60	504.90	504.80	501.60	500.00	499.90
3752473.10	505.20	505.40	504.80	506.00	511.60	511.20	508.10	504.50	503.20
3752423.10	506.80	510.50	508.10	511.20	512.80	512.90	512.40	507.90	504.50
3752373.10	513.90	513.50	511.60	508.70	513.80	514.20	513.30	510.90	505.20
3752323.10	519.10	518.10	518.60	512.20	515.50	515.70	515.60	512.50	509.60
3752273.10	522.40	521.40	519.80	515.30	517.40	517.40	516.90	518.00	517.20

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 472124.27	472174.27	472224.27	472274.27
3754223.10	464.00	464.00	463.00	463.20
3754173.10	463.80	463.00	462.80	463.50
3754123.10	463.10	463.20	461.80	462.40
3754073.10	463.70	462.40	458.90	456.10
3754023.10	463.50	460.50	456.10	452.20
3753973.10	463.00	462.90	454.00	458.20
3753923.10	459.10	459.60	451.60	456.50
3753873.10	449.60	453.80	449.00	449.90
3753823.10	460.70	450.60	449.80	449.90
3753773.10	465.20	467.00	461.40	457.90
3753723.10	464.70	470.60	468.90	464.30
3753673.10	459.90	467.10	470.30	469.80
3753623.10	454.30	460.70	467.00	470.10
3753573.10	453.90	453.80	460.80	466.30
3753523.10	462.30	453.30	453.40	461.00
3753473.10	471.00	462.80	455.40	455.60
3753423.10	475.70	470.10	465.70	458.50
3753373.10	475.70	473.50	469.90	462.90
3753323.10	475.10	475.00	470.20	463.70
3753273.10	474.30	473.20	467.90	462.80
3753223.10	471.60	469.20	465.20	468.20
3753173.10	472.00	469.00	468.20	469.90
3753123.10	477.20	470.10	470.20	471.40
3753073.10	478.10	473.90	473.70	472.80
3753023.10	480.20	481.90	477.90	473.50
3752973.10	485.40	483.10	478.10	474.80
3752923.10	491.80	484.40	477.80	475.20
3752873.10	491.60	484.10	482.00	479.60
3752823.10	489.20	488.40	486.00	482.10
3752773.10	490.70	487.40	486.20	484.80
3752723.10	491.80	491.90	489.50	487.90
3752673.10	498.50	495.40	492.70	492.40
3752623.10	496.60	495.80	494.30	493.20
3752573.10	494.10	492.60	491.30	489.20
3752523.10	498.90	496.30	493.10	489.60
3752473.10	502.10	501.20	498.10	494.30
3752423.10	502.70	500.40	498.50	498.00
3752373.10	501.20	499.60	500.40	500.80
3752323.10	507.10	503.80	503.30	503.10
3752273.10	512.90	508.90	507.10	504.60

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470324.27	470374.27	470424.27	470474.27	470524.27	470574.27	470624.27	470674.27	470724.27
3754223.10	491.00	491.00	490.00	474.30	473.60	489.00	489.00	489.00	471.00
3754173.10	488.00	490.00	484.00	489.00	489.00	489.00	489.00	488.00	473.00
3754123.10	490.00	490.00	490.00	489.00	501.00	489.00	489.00	488.00	474.00
3754073.10	491.00	494.00	501.00	501.00	489.00	489.00	489.00	481.00	486.00
3754023.10	497.00	502.00	502.00	487.20	488.20	489.00	482.80	488.00	486.00
3753973.10	500.00	501.00	488.40	487.90	487.20	486.60	486.00	501.00	489.00
3753923.10	501.00	497.00	493.40	501.00	500.00	501.00	501.00	482.10	489.00
3753873.10	502.00	501.00	501.00	501.00	501.00	501.00	501.00	501.00	490.00
3753823.10	502.00	502.00	500.20	500.90	498.70	501.00	501.00	501.00	488.00
3753773.10	502.00	502.00	501.90	501.70	499.70	501.00	501.00	487.60	488.80
3753723.10	500.00	499.40	501.50	500.50	498.70	494.70	492.70	491.50	489.30
3753673.10	500.00	500.10	500.50	500.60	498.30	495.30	495.00	492.50	488.60
3753623.10	500.20	500.40	500.90	499.90	499.70	499.00	495.80	493.40	489.80
3753573.10	500.50	502.20	501.20	500.50	500.10	499.30	496.10	493.50	493.00
3753523.10	502.00	502.10	502.20	501.10	500.30	499.10	497.80	495.30	494.10
3753473.10	502.80	503.00	503.90	502.90	502.10	501.20	500.30	497.10	495.70
3753423.10	502.60	503.50	504.70	505.50	505.00	502.70	500.30	498.20	497.70
3753373.10	503.30	504.00	505.00	506.20	506.20	503.50	500.00	499.00	498.60
3753323.10	504.00	504.60	505.00	506.20	506.20	521.00	501.50	499.20	499.80
3753273.10	503.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	501.00
3753223.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	519.00	501.90
3753173.10	521.00	521.00	521.00	519.70	518.70	521.00	521.00	521.00	501.10
3753123.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	520.00	502.50
3753073.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	520.00	503.90
3753023.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	520.00	502.20
3752973.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	500.00	501.50
3752923.10	494.90	521.00	521.00	521.00	521.00	499.60	500.10	500.80	500.90
3752873.10	493.20	493.20	521.00	495.00	498.30	500.40	501.00	500.30	500.10
3752823.10	493.50	493.50	493.70	494.30	498.00	499.70	500.00	499.60	499.50
3752773.10	494.00	494.00	494.00	494.00	498.00	499.20	498.90	498.90	498.90
3752723.10	494.00	494.00	494.00	494.00	494.00	495.40	496.60	497.20	498.00
3752673.10	492.60	493.80	494.00	494.50	494.90	497.00	496.50	496.90	497.50
3752623.10	491.90	493.70	493.90	494.00	494.80	495.90	495.00	495.00	496.50
3752573.10	489.40	491.30	492.20	494.00	494.20	495.00	494.20	494.80	495.70
3752523.10	488.00	488.50	489.30	492.30	493.90	494.50	494.00	494.00	495.30
3752473.10	488.10	488.10	488.10	493.00	493.80	494.00	494.00	494.10	494.70
3752423.10	489.80	489.80	489.70	491.40	492.90	493.60	494.80	495.60	496.40
3752373.10	489.20	490.50	491.70	492.50	492.90	493.50	494.20	496.60	498.70
3752323.10	488.10	492.00	492.50	494.30	495.10	495.20	494.60	498.50	500.10
3752273.10	494.00	493.20	492.90	494.30	495.80	498.20	498.50	499.10	500.50

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470774.27	470824.27	470874.27	470924.27	470974.27	471024.27	471074.27	471124.27	471174.27
3754223.10	475.00	470.70	477.00	484.00	486.00	939.00	476.00	939.00	939.00
3754173.10	486.00	486.00	469.30	484.00	484.00	484.00	476.00	485.00	939.00
3754123.10	486.00	486.00	486.00	486.00	486.00	476.00	471.90	485.00	939.00
3754073.10	486.00	486.00	486.00	486.00	484.00	474.50	473.30	485.00	485.00
3754023.10	486.00	486.00	483.00	484.00	484.00	485.00	485.00	485.00	485.00
3753973.10	484.00	483.70	483.30	483.00	483.00	483.00	485.00	485.00	485.00
3753923.10	487.00	481.60	482.00	483.00	483.00	482.00	485.00	485.00	485.00
3753873.10	488.00	490.00	491.00	491.00	482.00	481.50	482.00	482.00	485.00
3753823.10	490.00	490.00	490.00	491.00	484.00	483.60	482.90	482.70	481.00
3753773.10	487.20	490.30	488.00	491.00	488.00	484.00	480.80	483.00	483.00
3753723.10	488.00	489.20	488.20	489.00	488.00	486.20	488.00	486.00	488.00
3753673.10	488.30	489.90	487.90	500.00	490.00	488.20	485.70	488.00	490.00
3753623.10	489.80	490.80	488.70	500.00	488.30	489.90	490.00	501.00	501.00
3753573.10	492.80	492.80	500.00	501.00	491.10	501.00	501.00	501.00	490.00
3753523.10	494.90	494.90	501.00	500.00	501.00	500.00	501.00	489.00	486.70
3753473.10	497.20	497.40	496.80	500.80	500.40	500.00	500.00	490.30	487.30
3753423.10	500.00	499.50	499.70	500.10	499.40	497.30	493.50	495.00	495.00
3753373.10	500.00	500.00	500.40	498.90	499.00	494.00	492.40	493.80	494.00
3753323.10	499.90	499.20	499.20	497.80	495.40	494.80	494.80	494.10	492.70
3753273.10	500.40	499.20	498.20	497.50	495.80	494.50	493.50	492.00	494.00
3753223.10	500.70	499.30	499.10	498.70	495.40	493.10	491.00	493.00	488.10
3753173.10	500.00	500.00	500.00	498.80	497.00	494.40	492.60	491.00	489.80
3753123.10	501.40	500.60	500.00	500.40	499.20	495.00	493.50	492.20	490.50
3753073.10	502.80	501.30	501.10	500.10	498.40	495.60	493.90	492.30	490.20
3753023.10	502.20	502.00	501.20	500.80	499.20	496.00	493.90	492.40	491.50
3752973.10	501.50	501.10	501.00	500.40	498.40	494.30	493.00	492.50	492.70
3752923.10	500.90	500.20	500.00	500.00	500.00	498.00	495.00	494.20	494.70
3752873.10	500.00	500.00	500.00	499.90	499.40	498.20	497.70	498.40	498.00
3752823.10	499.10	499.90	500.00	500.10	500.50	499.70	500.10	500.50	500.50
3752773.10	499.90	500.00	500.00	500.00	500.80	500.60	501.10	501.80	502.00
3752723.10	499.00	499.90	500.00	500.10	501.00	501.80	502.10	502.80	502.80
3752673.10	498.10	498.90	499.30	500.00	501.20	502.50	503.50	503.90	503.70
3752623.10	497.90	498.10	499.10	500.00	500.80	502.90	504.20	505.10	505.00
3752573.10	496.50	498.20	499.50	500.90	501.80	502.90	504.90	506.00	505.80
3752523.10	497.60	498.80	500.20	501.60	503.30	503.70	504.60	505.80	507.20
3752473.10	497.30	498.80	500.50	502.40	504.10	504.60	505.00	505.70	506.50
3752423.10	498.20	499.60	500.10	504.10	505.80	505.40	505.90	505.90	506.10
3752373.10	499.50	500.40	501.70	504.70	505.90	506.30	506.90	509.30	512.00

3752323.10 |	500.10	500.00	501.50	503.10	504.00	505.50	510.00	510.90	513.00
3752273.10 |	501.00	500.10	501.50	503.10	504.60	506.30	511.00	511.70	513.40

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS) |	X-COORD (METERS) 471224.27	471274.27	471324.27	471374.27	471424.27	471474.27	471524.27	471574.27	471624.27
3754223.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754173.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754123.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754073.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754023.10 |	485.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753973.10 |	485.00	485.00	485.00	939.00	939.00	939.00	939.00	939.00	939.00
3753923.10 |	485.00	485.00	485.00	485.00	930.00	939.00	939.00	939.00	939.00
3753873.10 |	474.90	474.50	476.00	476.00	487.00	939.00	939.00	939.00	939.00
3753823.10 |	475.50	476.00	476.00	489.00	489.00	489.00	939.00	939.00	939.00
3753773.10 |	483.00	475.00	468.60	470.00	487.00	489.00	489.00	489.00	939.00
3753723.10 |	474.40	475.00	469.30	471.10	487.00	489.00	489.00	489.00	489.00
3753673.10 |	489.00	482.00	489.00	489.00	487.00	489.00	489.00	489.00	489.00
3753623.10 |	482.00	489.00	489.00	489.00	489.00	489.00	489.00	489.00	488.00
3753573.10 |	486.00	488.00	489.00	489.00	489.00	489.00	489.00	488.00	483.00
3753523.10 |	488.00	495.00	489.00	489.00	489.00	489.00	489.00	489.00	480.00
3753473.10 |	495.00	495.00	489.00	484.70	488.60	487.70	489.00	482.00	481.30
3753423.10 |	495.00	495.00	480.70	482.50	486.60	488.00	488.00	483.30	486.00
3753373.10 |	495.00	495.00	481.50	488.00	485.60	486.70	488.00	484.80	487.90
3753323.10 |	495.00	493.00	488.00	485.60	486.30	488.00	486.10	486.80	487.50
3753273.10 |	488.00	487.20	485.10	488.00	488.00	488.00	487.20	488.00	488.00
3753223.10 |	488.10	487.90	487.10	488.00	488.80	488.00	487.20	488.00	488.00
3753173.10 |	488.80	487.20	488.40	489.50	489.00	488.00	487.20	488.00	488.00
3753123.10 |	488.80	488.00	488.70	489.90	489.10	488.00	487.10	487.50	487.80
3753073.10 |	488.80	488.10	489.60	490.70	489.10	487.60	487.10	487.80	487.60
3753023.10 |	492.00	490.40	490.40	489.70	488.00	488.00	488.00	488.00	488.40
3752973.10 |	492.90	492.50	492.20	493.00	494.00	489.90	489.80	489.00	489.00
3752923.10 |	494.40	494.40	494.20	492.20	493.70	492.60	493.80	492.20	490.60
3752873.10 |	497.60	498.20	497.90	495.40	494.80	493.50	494.00	493.00	491.50
3752823.10 |	499.50	500.40	500.00	498.30	496.60	494.00	494.50	493.60	492.20
3752773.10 |	501.10	501.80	500.50	499.00	499.10	497.20	497.90	499.00	493.10
3752723.10 |	502.70	502.60	501.30	499.80	500.60	499.80	500.00	500.00	493.90
3752673.10 |	503.50	503.50	502.40	501.30	500.10	500.00	499.80	497.50	496.60
3752623.10 |	504.30	505.10	505.10	501.70	500.00	500.60	500.00	500.10	499.20
3752573.10 |	505.70	505.80	505.90	502.50	500.20	501.90	517.00	507.00	512.00
3752523.10 |	506.40	506.00	506.50	503.30	519.00	505.50	517.00	507.90	512.00

3752473.10 |	507.90	512.00	507.20	512.00	518.00	519.00	520.00	511.90	519.00
3752423.10 |	508.10	512.00	511.40	513.00	520.00	519.00	519.00	519.00	511.50
3752373.10 |	510.40	511.70	512.80	511.70	520.00	519.00	519.40	519.00	518.00
3752323.10 |	512.90	512.80	512.10	513.80	532.00	518.90	520.10	518.60	518.10
3752273.10 |	514.60	513.70	517.00	516.70	532.00	532.00	521.90	520.50	526.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD | (METERS) |	X-COORD (METERS) 471674.27	471724.27	471774.27	471824.27	471874.27	471924.27	471974.27	472024.27	472074.27
3754223.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754173.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754123.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754073.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754023.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753973.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753923.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753873.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753823.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753773.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753723.10 |	487.00	939.00	930.00	930.00	939.00	939.00	939.00	939.00	939.00
3753673.10 |	484.00	484.00	484.00	484.00	930.00	939.00	930.00	939.00	939.00
3753623.10 |	484.00	484.00	484.00	484.00	484.00	483.00	468.00	470.00	939.00
3753573.10 |	483.00	484.00	484.00	484.00	484.00	483.00	471.00	473.00	473.00
3753523.10 |	482.30	482.80	484.00	483.00	483.00	483.00	473.00	473.00	469.20
3753473.10 |	482.00	482.00	482.00	480.00	474.90	483.00	488.00	471.30	472.50
3753423.10 |	486.00	481.70	482.90	480.40	475.40	486.00	488.00	488.00	473.90
3753373.10 |	486.70	488.00	484.50	482.00	484.00	486.00	483.00	488.00	473.50
3753323.10 |	488.00	487.80	487.00	482.00	488.00	482.50	482.00	488.00	474.40
3753273.10 |	489.00	488.20	487.50	488.00	486.00	485.90	488.00	488.00	486.00
3753223.10 |	488.10	488.20	488.00	487.00	486.20	487.60	486.00	489.00	489.00
3753173.10 |	488.00	487.40	487.60	488.80	488.80	488.50	489.00	489.00	482.00
3753123.10 |	487.50	486.60	485.50	487.00	485.70	487.00	489.00	481.80	481.50
3753073.10 |	486.20	486.20	484.30	485.00	488.00	481.20	482.30	482.80	481.80
3753023.10 |	488.10	488.10	487.60	486.30	487.00	485.80	484.20	494.00	495.00
3752973.10 |	490.40	493.00	490.10	488.50	488.90	487.50	494.00	494.00	495.00
3752923.10 |	492.30	494.00	493.10	491.00	490.10	488.70	494.00	494.00	491.80
3752873.10 |	492.30	494.00	493.50	492.00	491.80	490.80	495.00	493.30	493.60
3752823.10 |	492.50	493.50	494.00	493.30	493.30	494.00	491.40	494.80	493.20
3752773.10 |	494.00	494.00	494.10	494.90	494.90	494.50	492.40	495.00	493.50
3752723.10 |	494.80	494.80	495.00	495.80	496.00	494.50	498.00	498.00	493.80
3752673.10 |	496.90	497.40	497.20	496.50	495.60	494.50	500.00	499.20	497.90

3752623.10 |	499.90	499.90	499.20	497.90	512.00	513.00	512.00	500.00	498.80
3752573.10 |	500.00	500.80	500.90	513.00	513.00	514.00	513.00	512.00	496.70
3752523.10 |	512.00	502.00	505.00	513.00	513.00	513.00	513.00	513.00	499.90
3752473.10 |	512.00	512.00	511.00	513.00	511.60	511.20	512.00	513.00	503.20
3752423.10 |	523.00	510.50	519.00	511.20	512.80	512.90	512.40	513.00	513.00
3752373.10 |	519.00	513.50	519.00	519.00	513.80	514.20	513.30	510.90	520.00
3752323.10 |	519.10	518.10	518.60	521.00	515.50	515.70	515.60	519.00	520.00
3752273.10 |	522.40	521.40	519.80	519.00	517.40	517.40	516.90	519.00	519.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD | (METERS) |	X-COORD (METERS) 472124.27	472174.27	472224.27	472274.27
3754223.10 |	939.00	939.00	939.00	939.00
3754173.10 |	939.00	939.00	939.00	939.00
3754123.10 |	939.00	939.00	939.00	939.00
3754073.10 |	939.00	939.00	939.00	939.00
3754023.10 |	939.00	939.00	939.00	939.00
3753973.10 |	939.00	939.00	939.00	939.00
3753923.10 |	939.00	939.00	939.00	939.00
3753873.10 |	939.00	939.00	939.00	939.00
3753823.10 |	939.00	939.00	939.00	939.00
3753773.10 |	939.00	939.00	939.00	939.00
3753723.10 |	939.00	939.00	939.00	939.00
3753673.10 |	939.00	939.00	939.00	939.00
3753623.10 |	939.00	939.00	939.00	939.00
3753573.10 |	939.00	939.00	939.00	930.00
3753523.10 |	476.00	939.00	939.00	939.00
3753473.10 |	476.00	476.00	930.00	939.00
3753423.10 |	475.70	476.00	476.00	476.00
3753373.10 |	475.70	473.50	469.90	476.00
3753323.10 |	475.10	475.00	475.00	475.00
3753273.10 |	474.30	476.00	476.00	476.00
3753223.10 |	481.00	475.00	476.00	469.00
3753173.10 |	482.00	482.00	468.20	469.90
3753123.10 |	482.00	495.00	483.00	471.40
3753073.10 |	482.00	495.00	495.00	482.00
3753023.10 |	495.00	483.00	495.00	495.00
3752973.10 |	495.00	495.00	495.00	495.00
3752923.10 |	495.00	495.00	495.00	495.00
3752873.10 |	495.00	495.00	495.00	488.00
3752823.10 |	489.20	488.40	486.00	482.10

3752773.10 |	500.00	500.00	500.00	500.00
3752723.10 |	500.00	500.00	500.00	492.00
3752673.10 |	498.50	500.00	492.70	492.40
3752623.10 |	496.60	495.80	494.30	494.00
3752573.10 |	501.00	500.00	500.00	489.20
3752523.10 |	501.00	502.00	502.00	501.00
3752473.10 |	502.10	501.20	500.00	494.30
3752423.10 |	502.70	500.40	498.50	499.00
3752373.10 |	522.00	521.00	500.40	500.80
3752323.10 |	521.00	521.00	517.00	503.10
3752273.10 |	519.00	520.00	507.10	504.60

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

(471761.0, 3752929.0,	493.8,	493.8,	0.0);	(471633.4, 3752929.0,	490.1,	490.1,	0.0);
(471511.9, 3752927.8,	493.4,	493.4,	0.0);	(471378.2, 3752924.1,	492.2,	492.2,	0.0);
(471275.1, 3752927.8,	494.1,	494.1,	0.0);	(471448.1, 3752870.1,	494.3,	494.3,	0.0);
(471385.5, 3752872.6,	495.2,	495.2,	0.0);	(471324.2, 3752870.1,	498.2,	498.2,	0.0);
(471277.6, 3752876.3,	498.0,	499.0,	0.0);	(471162.3, 3752926.6,	494.1,	494.1,	0.0);
(471026.1, 3752922.9,	494.4,	498.0,	0.0);	(471233.4, 3752873.8,	497.5,	497.5,	0.0);
(471104.6, 3752868.9,	498.8,	498.8,	0.0);	(471000.3, 3752872.6,	499.0,	499.0,	0.0);
(470962.3, 3752909.4,	498.1,	498.1,	0.0);	(470866.6, 3752908.2,	500.0,	500.0,	0.0);
(470788.1, 3752908.2,	500.4,	500.4,	0.0);				

* 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)
L0001791	471374.3	3753323.1	-3.55
L0001792	471374.3	3753323.1	0.96
L0001797	471374.3	3753273.1	-3.56
L0001802	471374.3	3753223.1	0.55
L0001803	471374.3	3753223.1	-3.49
L0001808	471374.3	3753173.1	0.02
L0001809	471374.3	3753173.1	-3.34
L0001814	471374.3	3753123.1	-0.50

L0001815	471374.3	3753123.1	-3.11
L0001820	471374.3	3753073.1	-0.92
L0001821	471374.3	3753073.1	-2.67
L0001826	471374.3	3753023.1	-1.12
L0001827	471374.3	3753023.1	-2.03
L0001832	471374.3	3752973.1	-1.26
L0001869	471174.3	3753173.1	0.55
L0001875	471124.3	3753173.1	-0.15
L0001881	471074.3	3753173.1	-0.77
L0001886	471024.3	3753173.1	0.25
L0001887	471024.3	3753173.1	-1.30

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

1 1 1

Surface station no.: 3171 Upper air station no.: 3190

Name: UNKNOWN Name: UNKNOWN

Year: 2012 Year: 2012

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
12	01	01	1	01	-25.6	0.266	-9.000	-9.000	-999.	330.	77.9	0.15	2.40	1.00	2.93	55.	10.1	288.1	2.0
12	01	01	1	02	-26.8	0.277	-9.000	-9.000	-999.	351.	84.7	0.15	2.40	1.00	3.05	55.	10.1	287.0	2.0
12	01	01	1	03	-21.5	0.221	-9.000	-9.000	-999.	250.	53.5	0.15	2.40	1.00	2.45	74.	10.1	284.2	2.0
12	01	01	1	04	-22.0	0.227	-9.000	-9.000	-999.	260.	56.8	0.15	2.40	1.00	2.52	77.	10.1	285.9	2.0
12	01	01	1	05	-20.0	0.206	-9.000	-9.000	-999.	225.	46.8	0.15	2.40	1.00	2.30	80.	10.1	285.4	2.0
12	01	01	1	06	-14.4	0.171	-9.000	-9.000	-999.	170.	32.1	0.15	2.40	1.00	1.93	79.	10.1	287.0	2.0
12	01	01	1	07	-14.9	0.174	-9.000	-9.000	-999.	174.	33.2	0.15	2.40	1.00	1.96	77.	10.1	284.2	2.0
12	01	01	1	08	-11.9	0.169	-9.000	-9.000	-999.	167.	36.1	0.15	2.40	0.53	1.89	77.	10.1	288.1	2.0
12	01	01	1	09	40.4	0.234	0.359	0.006	40.	272.	-28.1	0.15	2.40	0.31	2.10	81.	10.1	289.2	2.0
12	01	01	1	10	112.6	0.246	0.742	0.005	129.	293.	-11.8	0.15	2.40	0.24	1.99	101.	10.1	296.4	2.0
12	01	01	1	11	161.0	0.402	1.188	0.005	369.	611.	-35.6	0.15	2.40	0.21	3.68	78.	10.1	298.8	2.0
12	01	01	1	12	184.7	0.337	1.516	0.005	668.	473.	-18.4	0.15	2.40	0.20	2.89	68.	10.1	300.4	2.0
12	01	01	1	13	183.9	0.310	1.809	0.005	1139.	414.	-14.2	0.15	2.40	0.20	2.57	64.	10.1	302.5	2.0
12	01	01	1	14	156.6	0.374	1.852	0.005	1434.	549.	-29.5	0.15	2.40	0.22	3.37	63.	10.1	303.1	2.0
12	01	01	1	15	104.3	0.382	1.658	0.005	1546.	567.	-47.2	0.15	2.40	0.25	3.59	62.	10.1	302.5	2.0
12	01	01	1	16	31.8	0.374	1.123	0.005	1573.	550.	-145.8	0.15	2.40	0.34	3.76	69.	10.1	300.9	2.0
12	01	01	1	17	-23.3	0.276	-9.000	-9.000	-999.	354.	84.0	0.15	2.40	0.62	3.03	59.	10.1	297.5	2.0
12	01	01	1	18	-21.5	0.229	-9.000	-9.000	-999.	264.	57.8	0.15	2.40	1.00	2.54	54.	10.1	295.4	2.0
12	01	01	1	19	-19.3	0.204	-9.000	-9.000	-999.	221.	45.6	0.15	2.40	1.00	2.27	79.	10.1	292.0	2.0
12	01	01	1	20	-20.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.15	2.40	1.00	2.42	79.	10.1	292.5	2.0
12	01	01	1	21	-19.7	0.206	-9.000	-9.000	-999.	225.	46.9	0.15	2.40	1.00	2.30	95.	10.1	290.9	2.0
12	01	01	1	22	-17.6	0.190	-9.000	-9.000	-999.	199.	39.8	0.15	2.40	1.00	2.13	78.	10.1	290.4	2.0
12	01	01	1	23	-20.3	0.211	-9.000	-9.000	-999.	233.	49.0	0.15	2.40	1.00	2.35	52.	10.1	289.2	2.0
12	01	01	1	24	-16.4	0.183	-9.000	-9.000	-999.	189.	37.0	0.15	2.40	1.00	2.06	75.	10.1	288.8	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.1	1	55.	2.93	288.2	99.0	-99.00	-99.00

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

*** AERMOD - VERSION 16216r *** *** C:\AERMOD\9309\CO\CO.isc *** 11/22/19

*** AERMET - VERSION 16216 *** *** *** 08:34:15

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,

L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,

L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,

L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 470324.27	470374.27	470424.27	470474.27	470524.27
3754223.1	3.48271 (14102002)	3.55601 (16040106)	3.61742 (15091724)	3.67720 (15082903)	3.73804 (16081523)
3754173.1	3.72410 (14051623)	3.75534 (14102002)	3.79224 (14102002)	3.82622 (14120522)	3.81860 (15020119)
3754123.1	3.87132 (14051623)	3.91295 (14051623)	3.90027 (16011801)	3.92251 (14102002)	3.85819 (16040106)
3754073.1	3.95955 (15040503)	3.92234 (14051623)	3.95571 (14051623)	4.03185 (16011801)	4.30069 (14102002)
3754023.1	4.01481 (14010401)	4.00671 (15030902)	4.15868 (15040503)	4.39201 (14051623)	4.50222 (14051623)
3753973.1	4.18887 (14060202)	4.27531 (15102905)	4.41543 (14010401)	4.51672 (15030902)	4.63534 (14051623)
3753923.1	4.35880 (15032022)	4.46461 (15100519)	6.28335 (16032107)	4.74654 (15092905)	4.83783 (14010401)
3753873.1	4.53745 (14012724)	4.79363 (15092505)	7.13275 (16032107)	7.26343 (16032107)	6.78517 (16032107)
3753823.1	4.73025 (15092505)	6.60283 (16032107)	7.27193 (16032107)	7.63923 (16032107)	7.99003 (15080406)
3753773.1	4.91272 (16022001)	7.10097 (14110819)	7.34964 (14040402)	7.47979 (14040402)	7.85273 (16032107)
3753723.1	6.78719 (16101105)	7.54269 (16092024)	7.66761 (16092024)	7.78582 (14111505)	7.85325 (14110819)
3753673.1	7.69594 (16121320)	7.83445 (16092024)	7.98693 (16092024)	8.14697 (16092024)	8.24818 (16092024)
3753623.1	8.14589 (16102923)	8.21742 (16102923)	8.28858 (16121320)	8.41669 (16121320)	8.55508 (16092024)
3753573.1	8.58754 (14012220)	8.63582 (14012220)	8.76943 (16102923)	8.88062 (16102923)	8.99630 (16102923)
3753523.1	9.00152 (16012002)	9.23203 (14012220)	9.38317 (14012220)	9.52573 (14012220)	9.60836 (14012220)
3753473.1	10.46223 (15071106)	10.35041 (15071106)	10.02895 (15071106)	10.11741 (14012220)	10.37859 (14012220)
3753423.1	11.88596 (15071106)	11.96777 (15071106)	11.68868 (15071106)	11.26763 (15071106)	11.25857 (15071106)
3753373.1	11.71788 (15071106)	12.40311 (15071106)	12.78478 (15071106)	12.69566 (15071106)	12.80804 (15071106)
3753323.1	11.52231 (14081706)	11.90396 (14090506)	12.25294 (14090506)	12.33728 (14083003)	12.90994 (15071106)
3753273.1	12.83670 (14101107)	13.24967 (14101107)	13.44382 (14101107)	12.98497 (14101107)	13.04769 (14101107)
3753223.1	12.66727 (16050206)	12.93120 (16050206)	12.52995 (16092803)	10.02526 (14062105)	10.39054 (14062105)
3753173.1	12.74144 (14091124)	13.33637 (14091124)	12.39051 (16102221)	7.65468 (14062105)	8.25871 (14111504)
3753123.1	12.76971 (16102922)	13.85089 (16102922)	14.03455 (16102922)	10.55819 (14111504)	9.24420 (15033007)
3753073.1	12.22214 (15051105)	13.16703 (16112202)	14.43578 (15032301)	14.92402 (14083105)	15.54732 (14083105)
3753023.1	11.99268 (14083105)	13.42790 (14101007)	14.99176 (14101007)	16.30334 (14101007)	17.20341 (14101007)
3752973.1	12.09422 (14101007)	13.17232 (14101007)	13.53554 (14101007)	13.83986 (14030601)	15.15568 (14072006)
3752923.1	10.29649 (14030601)	10.97037 (14072006)	11.12566 (14072006)	12.12192 (14072006)	13.78401 (15020806)
3752873.1	8.87048 (14072006)	9.16798 (14072006)	9.52564 (14093001)	11.54172 (14030523)	13.20001 (14010402)
3752823.1	8.40274 (14093001)	8.79357 (16012001)	9.70859 (15092523)	10.50624 (15092523)	12.43299 (14092504)
3752773.1	8.77156 (15092523)	9.02000 (15020503)	9.39623 (16101605)	9.86999 (15082705)	11.55813 (15110407)
3752723.1	8.33470 (16101605)	8.74232 (15082705)	9.05975 (15082705)	9.19205 (15081302)	9.57273 (15081302)
3752673.1	6.93002 (16042323)	8.17752 (16042323)	8.59034 (15081302)	9.14749 (15081302)	9.45284 (15101923)
3752623.1	6.28772 (14101604)	7.80136 (15091006)	8.13071 (15101923)	8.32024 (16100921)	8.94028 (16100921)
3752573.1	5.76998 (16083003)	6.13786 (16083003)	6.45652 (15032003)	7.90915 (16100921)	8.21401 (16060402)
3752523.1	5.38427 (16121021)	5.57612 (16082306)	5.78860 (15091304)	6.30373 (15100521)	7.57079 (14073105)
3752473.1	5.21903 (16082306)	5.35367 (15091304)	5.40088 (16011904)	5.58976 (15051003)	7.15925 (15041004)
3752423.1	5.13758 (15091304)	5.17891 (16011904)	5.28258 (15051003)	5.49220 (15041024)	6.16570 (15041004)
3752373.1	4.82164 (15051003)	5.02127 (15051003)	5.20951 (15041024)	5.48310 (15090406)	5.89541 (16032204)
3752323.1	4.60379 (15051003)	4.87988 (15090406)	5.18963 (15090406)	6.47777 (15092503)	6.84315 (16121022)
3752273.1	4.50229 (15090406)	5.56732 (15041004)	5.29928 (16032204)	6.31253 (15092503)	6.72028 (16121022)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,
L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,
L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 470574.27	470624.27	470674.27	470724.27	470774.27
3754223.1	3.75969 (16031307)	3.75351 (16031307)	3.81691 (15100204)	3.87746 (15020620)	4.00692 (15092002)
3754173.1	3.80320 (16081523)	3.93841 (16031307)	4.10983 (16031307)	4.10511 (15020620)	4.14765 (15020620)
3754123.1	3.95405 (15020119)	4.11980 (16050106)	4.29531 (16031307)	4.43123 (16031307)	4.34609 (15020620)
3754073.1	4.37367 (16040106)	4.30101 (15091724)	4.58875 (16050106)	4.55275 (16031307)	4.70986 (16031307)
3754023.1	4.52649 (15071405)	4.66384 (16040106)	4.61531 (15091724)	4.77469 (16050106)	5.10531 (16031307)
3753973.1	4.77250 (14051623)	4.80174 (16011801)	4.84780 (14102002)	5.05184 (15091724)	5.36760 (16050106)
3753923.1	4.90934 (15030902)	5.03524 (14051623)	5.14409 (14051623)	5.35907 (14102002)	5.58493 (14120522)
3753873.1	5.13788 (15102905)	5.24305 (15030902)	5.37736 (14051623)	5.65043 (14051623)	5.81036 (15071405)
3753823.1	7.79158 (16032107)	5.43493 (14060202)	5.61468 (14010401)	5.84886 (15030902)	6.05905 (14051623)
3753773.1	7.51493 (16032107)	5.64884 (15032022)	5.84169 (15100519)	6.06142 (15102905)	6.33001 (15030902)
3753723.1	7.80588 (16032107)	6.91983 (14030324)	6.27661 (15092505)	6.31472 (15032022)	6.58822 (14060202)
3753673.1	8.22016 (14110819)	8.36794 (14110819)	6.77293 (16042101)	6.60801 (15092505)	6.87913 (14012724)
3753623.1	8.78540 (16092024)	8.77981 (14110819)	8.61932 (14121820)	6.89528 (15010320)	7.21699 (15010320)
3753573.1	9.16876 (16102923)	9.27018 (16060405)	9.07254 (15073005)	8.70617 (15073005)	8.77263 (16012922)
3753523.1	9.70679 (16102923)	9.85138 (16102923)	9.92725 (16102923)	10.01449 (16102923)	10.60416 (16060405)
3753473.1	10.50979 (14012220)	10.57656 (14012220)	10.71077 (14012220)	10.82604 (16101403)	11.43515 (15080406)
3753423.1	11.89965 (15071106)	12.37204 (15071106)	12.60337 (15071106)	12.71337 (15071106)	12.90988 (16032107)
3753373.1	14.09366 (15071106)	15.09292 (15071106)	15.18307 (15071106)	15.07811 (15071106)	14.49041 (15071106)
3753323.1	14.98412 (15071106)	16.99300 (15071106)	18.29808 (15071106)	19.03301 (15071106)	19.09165 (15071106)
3753273.1	14.70962 (14101107)	17.28913 (14101107)	18.27704 (14101107)	19.44742 (14081706)	21.82847 (15071106)
3753223.1	14.02742 (16092803)	16.24459 (16092803)	18.83843 (16092803)	21.49520 (14101107)	24.54320 (14101107)
3753173.1	11.71302 (14111504)	16.88734 (16102221)	20.02515 (14092804)	23.30360 (16082806)	26.24671 (16082806)
3753123.1	12.91379 (15033007)	17.72195 (14090903)	19.60306 (14090903)	22.56479 (14083105)	25.41734 (14101007)
3753073.1	16.05052 (16101406)	18.35263 (14101007)	20.31002 (14101007)	21.19608 (14101007)	22.43753 (16081905)
3753023.1	17.55323 (14101007)	17.74822 (16081905)	18.94838 (14072006)	19.19683 (16121101)	19.95415 (16032004)
3752973.1	16.18118 (14072006)	16.48576 (16032004)	17.43529 (16032004)	17.30139 (14080304)	17.43467 (14092504)
3752923.1	14.88756 (16032004)	15.29143 (14010402)	15.68888 (14080304)	15.69978 (15110407)	15.44544 (16083103)
3752873.1	13.92858 (14080304)	14.02852 (14092504)	14.30289 (15110407)	14.11093 (15082406)	13.81085 (15082406)
3752823.1	12.98524 (15110407)	12.92240 (15110407)	13.02651 (15082406)	12.73086 (15082406)	12.48166 (14103106)
3752773.1	11.88643 (15082406)	12.00176 (15082406)	11.72055 (14103106)	11.51252 (16060402)	11.44207 (16060402)
3752723.1	10.41142 (15082406)	10.63494 (16010820)	10.84697 (16060402)	10.89705 (16060402)	10.89564 (16082303)
3752673.1	9.94351 (16100921)	10.10006 (16060402)	10.11348 (16060402)	10.22379 (16082303)	10.32659 (14073105)
3752623.1	9.35474 (16060402)	9.09246 (14073105)	9.35841 (14073105)	9.61261 (15071805)	9.86472 (16121303)
3752573.1	8.56969 (14073105)	8.53538 (14073105)	8.84578 (15071805)	9.01562 (15071805)	9.17873 (16121022)

3752523.1 |	8.09782 (14073105)	7.92046 (15071805)	7.83380 (15092503)	8.54004 (16121022)	9.01312 (14101101)
3752473.1 |	7.45140 (15071805)	7.40128 (15092503)	7.80151 (16121022)	8.05061 (16121022)	8.46305 (14101101)
3752423.1 |	6.88174 (15092503)	7.53951 (16121022)	7.79813 (16121022)	7.85190 (14101101)	8.22605 (16120903)
3752373.1 |	6.57053 (15092503)	7.07475 (16121022)	7.47845 (14101101)	7.75221 (16120903)	8.24887 (16062606)
3752323.1 |	6.95019 (16121022)	6.79867 (15100302)	7.31095 (15100302)	7.76898 (16082304)	8.24933 (16062606)
3752273.1 |	6.99738 (14101101)	6.96804 (15100302)	7.30768 (16082304)	7.80333 (16062606)	7.86729 (16062606)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,
L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,
L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

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

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

Y-COORD | (METERS) |	X-COORD (METERS) 470824.27	470874.27	470924.27	470974.27	471024.27
3754223.1 |	4.18059 (16093024)	4.25836 (14020605)	4.08914 (16031023)	4.03912 (15080906)	4.03455 (15041122)
3754173.1 |	4.27934 (15092002)	4.39943 (15020120)	4.39554 (14083006)	4.37380 (16031023)	4.41643 (15080906)
3754123.1 |	4.47452 (15092002)	4.57170 (16100924)	4.63912 (15020120)	4.62032 (14040404)	5.03252 (15080906)
3754073.1 |	4.93011 (15020620)	4.91248 (15092002)	4.92143 (16011501)	5.00789 (14020605)	5.41647 (16031023)
3754023.1 |	5.32153 (16031307)	5.39963 (15020620)	5.63711 (15092002)	5.48166 (16011223)	5.43761 (14083006)
3753973.1 |	5.56526 (16031307)	5.77548 (16031307)	5.92273 (15020620)	6.10937 (15092002)	5.90902 (16011223)
3753923.1 |	5.73325 (16050106)	5.87755 (16031307)	5.98976 (16031307)	6.06947 (15020620)	6.34100 (14092923)
3753873.1 |	5.92540 (16040106)	6.10451 (16050106)	6.16333 (16031307)	6.64444 (14020908)	6.99698 (15092002)
3753823.1 |	6.30717 (16011801)	6.55422 (16040106)	6.44969 (16050106)	6.97766 (16031307)	7.49259 (14020908)
3753773.1 |	6.69435 (15030902)	6.94463 (16011801)	7.03838 (16040106)	7.41209 (16050106)	8.05690 (16031307)
3753723.1 |	6.89992 (14010401)	7.26900 (15030902)	7.50472 (14051623)	7.89008 (15071405)	8.58372 (16050106)
3753673.1 |	7.27995 (15032022)	7.59576 (14060202)	7.86982 (15030902)	8.49966 (14051623)	9.02458 (15071405)
3753623.1 |	7.60479 (15092505)	7.97368 (14012724)	8.46158 (15100519)	9.02163 (14010401)	9.69295 (14051623)
3753573.1 |	9.25229 (14121820)	8.31058 (15010320)	8.94736 (15092505)	9.71606 (15082601)	10.19651 (15102905)
3753523.1 |	11.10119 (16060405)	9.03859 (15073005)	12.60775 (14110819)	13.43542 (16032107)	14.95277 (16032107)
3753473.1 |	12.55527 (16052306)	12.41953 (16102923)	12.52457 (16121320)	13.51832 (16092024)	14.83669 (14111505)
3753423.1 |	13.62788 (15080406)	14.56772 (16052306)	13.27080 (16052106)	14.19778 (14012220)	15.72946 (16102923)
3753373.1 |	14.85491 (14111505)	16.02115 (15080406)	17.76620 (16052306)	17.38969 (16052106)	18.79026 (15071106)
3753323.1 |	18.86226 (15071106)	19.08855 (16060405)	20.77777 (16032107)	22.39371 (16032107)	23.26009 (16052306)
3753273.1 |	25.17574 (15071106)	28.08011 (15071106)	29.58655 (15071106)	30.11734 (15100623)	31.58996 (16032107)
3753223.1 |	28.29959 (14101107)	32.65656 (14101107)	38.46487 (14101107)	45.33562 (14101107)	53.47069 (14092402)
3753173.1 |	29.67301 (16102922)	34.14601 (16102922)	40.60274 (15051105)	54.09706 (14101007)	64.25025 (14101007)
3753123.1 |	29.97038 (14101007)	32.88624 (14101007)	32.74776 (16121101)	34.16554 (16032004)	36.13146 (14080304)
3753073.1 |	24.26330 (16121101)	24.85251 (16032004)	24.74541 (14080304)	24.72003 (16083103)	23.67302 (15082406)
3753023.1 |	19.75288 (14080304)	19.89819 (14101823)	18.90528 (15072802)	18.22477 (15072802)	18.38494 (15082406)

3752973.1 |	17.40883 (16083103)	16.54744 (15072802)	15.78255 (15072802)	15.93070 (15082406)	16.30424 (15082406)
3752923.1 |	15.04946 (15082406)	14.43565 (15082406)	14.14447 (14103106)	14.58882 (14103106)	15.22265 (16060402)
3752873.1 |	13.36136 (14103106)	13.13141 (14103106)	13.12810 (16060402)	13.66387 (16082303)	14.58759 (16082303)
3752823.1 |	12.10157 (14103106)	12.29872 (16060402)	12.64649 (16082303)	12.97868 (16082303)	13.61925 (16121303)
3752773.1 |	11.48271 (16060402)	11.84458 (16082303)	12.00099 (16040923)	12.33446 (16121303)	12.96959 (14101101)
3752723.1 |	11.09214 (16082303)	11.20275 (16121303)	11.49484 (16121303)	11.92199 (14101101)	12.09609 (15021921)
3752673.1 |	10.54917 (16121303)	10.68338 (16121303)	11.15877 (14101101)	11.22120 (15021921)	11.90450 (16062606)
3752623.1 |	9.87153 (16121303)	10.39232 (14101101)	10.41822 (14101101)	11.16686 (16062606)	11.32336 (16062606)
3752573.1 |	9.66341 (14101101)	9.77816 (14101101)	10.16378 (16062606)	10.90521 (16062606)	10.47237 (16040804)
3752523.1 |	9.15913 (14101101)	9.43379 (16120903)	10.22960 (16062606)	9.81334 (16062606)	9.95029 (16040804)
3752473.1 |	8.81088 (16120903)	9.55775 (16062606)	9.60287 (16062606)	9.38332 (16040804)	9.31380 (16101404)
3752423.1 |	8.86554 (16062606)	9.21812 (16062606)	8.77149 (16040804)	8.56938 (16040804)	8.88456 (16111523)
3752373.1 |	8.74329 (16062606)	8.37938 (16090304)	8.49257 (16040804)	8.26766 (16101404)	8.34018 (16011922)
3752323.1 |	8.11046 (16062606)	8.24217 (16040804)	8.34455 (16101404)	8.42383 (16111523)	8.28181 (16011922)
3752273.1 |	7.73365 (14061805)	7.88293 (16101404)	7.99410 (16111523)	8.00337 (16011922)	7.65106 (14081702)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,
L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,
L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

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

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

Y-COORD | (METERS) |	X-COORD (METERS) 471074.27	471124.27	471174.27	471224.27	471274.27
3754223.1 |	4.31059 (16032623)	4.17374 (14081503)	4.13377 (14092003)	4.16711 (15091703)	4.24209 (15122208)
3754173.1 |	4.73938 (14050903)	4.60878 (16032623)	4.46940 (16091724)	4.40721 (14010820)	4.47752 (14080404)
3754123.1 |	5.16890 (15041122)	4.96308 (16032623)	4.71083 (16091724)	4.68062 (14012523)	4.78336 (14080404)
3754073.1 |	5.52490 (15080906)	5.25392 (14050903)	5.02314 (14121523)	4.97936 (14101224)	5.11008 (15091703)
3754023.1 |	5.87669 (15080906)	5.59521 (15041122)	5.51943 (16032623)	5.54196 (16091724)	5.36969 (14010820)
3753973.1 |	6.19820 (16031023)	6.66268 (15080906)	6.39153 (16110523)	5.87274 (16091724)	5.82627 (14012523)
3753923.1 |	6.47079 (14020605)	7.10052 (16031023)	7.14650 (15041122)	6.71512 (16032623)	6.61972 (16091724)
3753873.1 |	7.12795 (16011223)	7.30512 (14040404)	7.39025 (15080906)	7.48719 (16110523)	7.64851 (16091724)
3753823.1 |	7.77635 (15092002)	8.00893 (16011223)	8.09026 (16031023)	7.95575 (14032824)	7.78947 (16032623)
3753773.1 |	8.12529 (15020620)	8.02786 (14092923)	8.12240 (14040404)	8.13618 (15080906)	8.00868 (16110523)
3753723.1 |	8.82935 (16031307)	8.79719 (15020620)	8.61978 (16011223)	8.89151 (16031023)	8.64931 (16120702)
3753673.1 |	9.64902 (16050106)	9.75985 (16031307)	9.14647 (15092002)	9.08246 (15080501)	9.22943 (15080906)
3753623.1 |	10.20535 (15071405)	10.17208 (16050106)	10.16755 (16031307)	10.77777 (14082703)	10.23591 (15080906)
3753573.1 |	10.72262 (14051623)	11.23196 (15071405)	12.06248 (16050106)	12.28001 (16031307)	11.76003 (15080906)
3753523.1 |	11.77389 (15100519)	12.82209 (15030902)	13.88369 (15071405)	14.40371 (16031307)	13.12162 (15080501)
3753473.1 |	16.52454 (16032107)	14.04855 (15082601)	15.44670 (14010401)	15.88123 (15071405)	16.04717 (16031307)

3753423.1 |	17.36304 (16060405)	15.12758 (14121420)	17.02742 (15092505)	18.99773 (15092905)	19.54570 (16050606)
3753373.1 |	16.01336 (15071106)	21.63636 (15071106)	22.47137 (16102923)	20.37828 (16030624)	22.25382 (16032107)
3753323.1 |	22.82351 (15071306)	24.72625 (15071106)	23.60049 (15071106)	23.19987 (14072406)	25.99090 (14072406)
3753273.1 |	27.90996 (16050606)	27.98732 (15071306)	28.73004 (15073006)	29.48720 (15072806)	29.70527 (14071306)
3753223.1 |	69.71488 (14072406)	64.49596 (14071206)	60.89012 (14082105)	67.16186 (14021008)	44.86417 (16062702)
3753173.1 |	58.56777 (14072006)	52.74988 (15082705)	43.62097 (14072603)	45.86108 (15090622)	37.69608 (15081706)
3753123.1 |	30.11156 (14080304)	25.47216 (15110407)	24.42854 (15082404)	25.18685 (15113017)	27.51226 (16100921)
3753073.1 |	21.68905 (15082406)	18.92735 (15081302)	19.36249 (16100921)	21.66081 (15100521)	24.79486 (15040604)
3753023.1 |	18.43861 (15082406)	16.95937 (16100921)	17.97185 (15041004)	19.97996 (15040604)	21.78712 (15081704)
3752973.1 |	14.94518 (16100921)	15.56365 (15041004)	17.23708 (15041004)	18.65267 (15100302)	20.26579 (16013108)
3752923.1 |	16.31627 (14073105)	16.98978 (16121022)	17.96913 (14101101)	19.76814 (16062606)	19.69560 (16111523)
3752873.1 |	15.29383 (16121303)	16.03109 (14101101)	17.53873 (16062606)	17.55396 (16040804)	17.57356 (16011922)
3752823.1 |	14.22285 (14101101)	14.98890 (16062606)	15.18476 (16062606)	15.64129 (16111523)	15.42588 (14071304)
3752773.1 |	13.25199 (15021921)	13.91536 (16062606)	13.63987 (16040804)	14.10581 (16011922)	14.02897 (14071304)
3752723.1 |	12.96157 (16062606)	12.48150 (16040804)	12.48428 (16111523)	12.59098 (16011922)	12.88702 (14071304)
3752673.1 |	11.58662 (16062606)	11.41761 (16040804)	11.59032 (16011922)	11.85723 (14071304)	11.64747 (14071304)
3752623.1 |	10.85836 (16040804)	10.45607 (16111523)	10.55636 (16011922)	11.18309 (14071304)	10.15600 (15061504)
3752573.1 |	10.02702 (16101404)	9.74299 (16011922)	9.79103 (14071304)	10.10714 (14071304)	9.41243 (15061504)
3752523.1 |	9.85239 (16111523)	9.53177 (16011922)	9.22554 (14071304)	9.20776 (14071304)	8.82286 (15061504)
3752473.1 |	9.35919 (16011922)	8.96757 (14081702)	9.25319 (14071304)	8.27923 (15061504)	8.04977 (15103120)
3752423.1 |	8.84054 (16011922)	8.86216 (14071304)	8.90891 (14071304)	7.90181 (15061504)	6.75207 (15081222)
3752373.1 |	8.03854 (14081702)	7.80825 (14071304)	7.27748 (15061504)	6.64936 (15061504)	6.52180 (15081222)
3752323.1 |	7.75886 (14071304)	7.08231 (14071304)	5.92142 (15061504)	5.43280 (14020704)	6.23533 (15081222)
3752273.1 |	7.48170 (14071304)	6.50626 (14071304)	5.64425 (15061504)	4.78660 (16121108)	6.00110 (15081222)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,
L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,
L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

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

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

Y-COORD | (METERS) |	X-COORD (METERS) 471324.27	471374.27	471424.27	471474.27	471524.27
3754223.1 |	4.28391 (14110221)	4.44259 (15022001)	4.70160 (14052204)	4.93449 (14042003)	5.00881 (14111405)
3754173.1 |	4.50485 (16102320)	4.58100 (15022001)	4.70546 (14052204)	4.87573 (14042003)	5.07746 (14111405)
3754123.1 |	4.79096 (16102320)	4.85425 (14041205)	4.91762 (14052204)	5.03308 (14042003)	5.24752 (14111405)
3754073.1 |	5.12729 (15122208)	5.17467 (15090624)	5.23586 (15100102)	5.30186 (15071203)	5.43493 (14111405)
3754023.1 |	5.52982 (15122208)	5.56351 (15090624)	5.63808 (15100102)	5.65385 (15071203)	5.72984 (14111405)
3753973.1 |	5.94833 (14080404)	5.98023 (15090624)	6.08404 (15100102)	6.09866 (15071203)	6.13772 (14111405)
3753923.1 |	6.53241 (15091703)	6.47530 (16102320)	6.60491 (15100102)	6.59591 (15071204)	6.62871 (14111405)

3753873.1 |	7.16673 (15091703)	7.00121 (15083004)	6.99042 (15100102)	7.07596 (15071204)	7.17538 (14111405)
3753823.1 |	7.58899 (14012523)	7.43185 (15083004)	7.58670 (15090624)	7.79625 (15071204)	7.86644 (14111405)
3753773.1 |	8.19919 (14012922)	8.52396 (15091703)	8.46126 (15090624)	8.68622 (15100102)	8.89287 (14040405)
3753723.1 |	8.80506 (16032623)	9.32010 (14012523)	9.63636 (15083004)	9.79461 (15100102)	10.07495 (14040405)
3753673.1 |	9.38061 (16110523)	9.95055 (16032623)	11.29880 (15091703)	11.24115 (15090624)	11.62791 (14042003)
3753623.1 |	10.01007 (16011003)	11.21118 (16120702)	13.34555 (16091724)	13.26217 (15071305)	13.52865 (15092504)
3753573.1 |	11.65886 (14012523)	13.21927 (16031023)	16.86717 (16032623)	18.39227 (15122208)	17.04795 (15092504)
3753523.1 |	14.81048 (16091724)	18.56117 (14041205)	19.84574 (16011003)	24.36710 (14010820)	26.49878 (14052204)
3753473.1 |	17.84172 (16110523)	23.73763 (15090624)	25.73969 (16012308)	30.34350 (16032623)	37.83771 (15100102)
3753423.1 |	21.72755 (15080501)	30.14070 (15122208)	33.57664 (14072905)	32.66816 (14101907)	57.51893 (16091922)
3753373.1 |	26.88653 (16050606)	38.64484 (14012523)	47.38607 (16093023)	34.82207 (15071306)	71.26189 (16042406)
3753323.1 |	29.43692 (14072406)	45.56946 (14101907)	52.49516 (16120708)	37.77737 (14082105)	73.49352 (14081624)
3753273.1 |	33.33036 (14101007)	52.14727 (15071106)	55.77025 (15073006)	39.30339 (14062001)	72.78528 (15072406)
3753223.1 |	36.29857 (14101007)	53.02807 (16062606)	54.55782 (15091124)	39.10543 (15101807)	75.70515 (16121108)
3753173.1 |	36.32465 (16100921)	55.00469 (16062606)	55.53578 (15081705)	34.51172 (16062606)	74.93985 (16122308)
3753123.1 |	34.44903 (15040604)	46.83712 (15072406)	46.17972 (14072602)	31.51009 (14093022)	51.06406 (14032124)
3753073.1 |	29.33127 (16013108)	35.12340 (16122308)	32.00188 (15081802)	28.71571 (15072406)	34.84007 (16013023)
3753023.1 |	23.57179 (14093022)	29.16370 (16122308)	23.11645 (14082004)	23.41405 (16121108)	25.49999 (15061604)
3752973.1 |	21.15075 (16121204)	25.31214 (16122308)	18.42354 (16082004)	19.51619 (16122308)	20.39669 (14120607)
3752923.1 |	20.11155 (16011922)	18.86131 (16041404)	19.18361 (15061504)	20.39722 (15103120)	21.76757 (15022204)
3752873.1 |	18.03685 (14071304)	18.82521 (15080602)	17.01659 (14020704)	17.88267 (15091702)	18.53435 (14120607)
3752823.1 |	15.40055 (14071304)	15.93911 (15022204)	15.17778 (15103120)	16.07369 (15091702)	16.21550 (14120607)
3752773.1 |	13.89677 (15103120)	14.16979 (14081601)	13.76056 (15103120)	14.34358 (15091702)	14.32805 (14120607)
3752723.1 |	12.58027 (15061504)	12.87989 (14081601)	12.43302 (15103120)	13.00245 (14081601)	12.56469 (14012221)
3752673.1 |	11.33110 (15103120)	11.91289 (15081222)	11.85225 (14081601)	12.08534 (14081601)	11.77199 (14012221)
3752623.1 |	10.15092 (15081222)	11.27507 (15081222)	11.48720 (14081601)	11.16272 (14081601)	11.05237 (14012221)
3752573.1 |	9.62520 (15081222)	10.61623 (15081222)	11.00999 (14081601)	10.20308 (14081601)	10.34569 (14012221)
3752523.1 |	9.20742 (15081222)	10.00446 (16081806)	10.05925 (14081601)	9.02662 (14012221)	8.88996 (14012221)
3752473.1 |	8.79217 (15081222)	9.20200 (16081806)	8.33726 (14081601)	7.75122 (14012221)	7.98800 (16071101)
3752423.1 |	7.38891 (16081806)	8.44418 (16081806)	7.91573 (14081601)	6.05849 (16071101)	5.48692 (16071101)
3752373.1 |	6.87036 (16081806)	7.15266 (16081806)	6.87366 (14081601)	4.91819 (16071101)	4.32414 (16071101)
3752323.1 |	7.01168 (16081806)	6.31965 (16081806)	5.57380 (14081601)	4.21368 (16071101)	4.17577 (16071101)
3752273.1 |	5.88985 (16081806)	5.27299 (16081806)	4.06133 (14012221)	4.13729 (16071101)	3.69383 (16071101)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,
L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,
L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	471574.27	471624.27	471674.27	471724.27	471774.27

- - - -

L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 471824.27	471874.27	471924.27	471974.27	472024.27
3754223.1	5.00112 (16090205)	4.95004 (14101122)	4.91285 (15082804)	4.84312 (16040524)	4.74321 (15101705)
3754173.1	5.15738 (14121619)	5.10354 (15032023)	5.10261 (16040524)	5.03543 (14081206)	4.94124 (14060102)
3754123.1	5.39291 (14101122)	5.36963 (15082804)	5.30417 (16040524)	5.25091 (15101705)	5.17844 (14032105)
3754073.1	5.48580 (15032023)	5.62777 (16083105)	5.56522 (14081206)	5.46770 (16041224)	5.42017 (14083104)
3754023.1	5.78943 (15082804)	5.86844 (16040524)	5.79914 (14060102)	5.72417 (14032105)	5.67998 (14081603)
3753973.1	6.06957 (15082804)	5.99648 (14081206)	5.92977 (14032105)	6.07500 (14083104)	5.94300 (15082801)
3753923.1	6.42775 (16040524)	6.25014 (14060102)	6.41504 (14083104)	6.45548 (14081603)	6.23629 (15072806)
3753873.1	6.82850 (14081206)	6.63581 (14032105)	6.56873 (14081603)	6.41147 (16102805)	6.38862 (14070601)
3753823.1	7.36222 (14060102)	7.13224 (15082006)	6.86558 (16102924)	6.73233 (15072806)	6.53254 (15080404)
3753773.1	8.12366 (14083104)	7.68933 (15082801)	7.47370 (15072806)	7.14881 (15080404)	6.91883 (14111005)
3753723.1	8.91982 (14081603)	8.55797 (15072806)	8.02869 (15080404)	7.65583 (14111005)	7.34362 (14030602)
3753673.1	9.97818 (15072806)	9.18618 (15080404)	8.65226 (16022721)	8.67627 (14030602)	8.33073 (15020524)
3753623.1	10.73996 (15080404)	10.10373 (15100622)	9.56000 (14030602)	9.58520 (15020524)	8.97471 (14083101)
3753573.1	11.94174 (14030602)	11.11259 (15020524)	10.44320 (14083101)	10.28267 (15081005)	9.68413 (14022604)
3753523.1	13.94222 (14083101)	12.75368 (14101102)	11.30690 (16121419)	10.59283 (14080906)	10.67252 (15041901)
3753473.1	16.38590 (16121419)	14.29175 (14101022)	12.25029 (14122920)	10.91653 (15091404)	10.99043 (15091404)
3753423.1	17.89629 (15091404)	15.11908 (15042306)	13.18726 (14052504)	11.89010 (14021008)	11.01975 (14021008)
3753373.1	18.75135 (14021008)	15.40809 (14021008)	14.36730 (14053124)	13.41038 (14053124)	11.38727 (16062702)
3753323.1	18.74757 (16062702)	15.73584 (15091405)	15.51923 (14090605)	13.95298 (14090605)	11.93024 (14090605)
3753273.1	19.33230 (14073104)	16.70356 (14073104)	15.75358 (14062202)	14.00626 (14062202)	12.04585 (16050805)
3753223.1	19.02957 (16041324)	16.85750 (16041324)	15.26749 (16041324)	13.71728 (16041324)	11.45704 (16041324)
3753173.1	17.79978 (16061724)	16.00128 (16061724)	14.49360 (16061724)	13.05905 (15080302)	11.02586 (15080302)
3753123.1	15.77562 (14080406)	14.53997 (14080406)	13.20082 (15083024)	11.93752 (14052604)	11.19855 (14052604)
3753073.1	13.72909 (16121206)	12.60445 (14102022)	11.82029 (14062505)	11.21226 (15081706)	10.54587 (14060302)
3753023.1	13.33458 (15091022)	12.20045 (15071124)	11.36867 (16121206)	10.62943 (14102022)	9.85844 (14081303)
3752973.1	12.32025 (14102623)	11.41630 (14092422)	10.71614 (15071124)	10.01166 (16121206)	9.42423 (14080903)
3752923.1	11.51559 (15110305)	10.69239 (15082106)	10.01129 (14102623)	9.46507 (15091022)	11.42789 (15082624)
3752873.1	10.85368 (14120101)	10.11740 (15110305)	9.40271 (15082106)	8.92671 (14102623)	10.90784 (15101323)
3752823.1	12.76770 (14081001)	12.10179 (15113017)	11.69819 (14071905)	8.51304 (16011524)	10.67886 (16092203)
3752773.1	11.97229 (14080423)	11.59646 (14081001)	11.06254 (15113017)	8.31610 (15110305)	10.32593 (14082923)
3752723.1	11.67977 (15093021)	11.19973 (14080704)	10.51305 (15113017)	9.73095 (15113017)	10.14738 (14071905)
3752673.1	11.12143 (15091124)	10.49311 (15093021)	10.08977 (14081001)	9.62179 (15113017)	9.35000 (14071905)
3752623.1	10.52785 (15091124)	10.16483 (15093021)	9.45108 (14080423)	9.19292 (14081001)	9.27733 (15113017)
3752573.1	9.86138 (15082404)	9.78290 (15091124)	9.50694 (15093021)	9.15192 (14080704)	8.79121 (14072702)
3752523.1	9.07928 (15082403)	8.24280 (15091124)	8.34227 (15093021)	8.56514 (14062203)	8.62845 (14080704)
3752473.1	7.53958 (16032023)	5.65911 (15091124)	6.09771 (14081101)	7.22323 (14053103)	7.87490 (14062203)
3752423.1	5.87317 (15100522)	5.18744 (15082403)	5.32492 (14081101)	5.80813 (14053103)	7.05235 (15080424)
3752373.1	6.60629 (15100522)	4.80658 (16032023)	4.73289 (15091124)	5.27292 (14081101)	6.25836 (14053103)
3752323.1	5.40622 (15100522)	4.19584 (16032023)	4.21301 (15082403)	4.42355 (14081101)	5.38169 (14053103)

3752273.1 | 4.32869 (15100522) 3.76757 (15100522) 3.71288 (15082403) 3.93235 (15091124) 3.75983 (14081101)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,
L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,
L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 472074.27	472124.27	472174.27	472224.27	472274.27
3754223.1	4.67838 (14032105)	4.63317 (14083104)	4.56542 (14081603)	4.43544 (16102924)	4.36032 (16092923)
3754173.1	4.86957 (14083104)	4.80878 (15082006)	4.67604 (16102924)	4.60421 (16092923)	4.55908 (15072806)
3754123.1	5.09035 (14083104)	4.99960 (14081603)	4.89688 (16092923)	4.77433 (15072806)	4.69901 (14070601)
3754073.1	5.33328 (14081603)	5.23442 (16102924)	5.10164 (15072806)	4.86688 (14070601)	4.67664 (15080404)
3754023.1	5.55794 (16102924)	5.48918 (15072806)	5.25417 (14070601)	4.98341 (15080404)	4.72075 (15092304)
3753973.1	5.83934 (15072806)	5.73888 (14070601)	5.60405 (15080404)	5.10348 (15092304)	5.10459 (14111005)
3753923.1	6.08205 (14070601)	5.83972 (15080404)	5.68299 (15092304)	5.24344 (14111005)	5.23465 (15100622)
3753873.1	6.12464 (15080404)	5.79981 (15092304)	5.69004 (15040102)	5.41178 (14030602)	5.28042 (14030602)
3753823.1	6.31091 (15092304)	6.44839 (15100622)	5.93091 (14030602)	5.67517 (16010324)	5.52556 (15020524)
3753773.1	6.93344 (15100622)	7.08687 (14030602)	6.93159 (15020524)	6.37615 (15090203)	6.02415 (14083101)
3753723.1	7.12087 (16010324)	7.41095 (15020524)	7.54488 (16120601)	7.13910 (14083101)	6.55557 (15081005)
3753673.1	7.49522 (16120601)	7.52522 (14083101)	7.62154 (15081005)	7.49902 (14022604)	7.11349 (14021922)
3753623.1	8.00254 (15081005)	7.59693 (14022604)	7.47996 (14021922)	7.51966 (14080906)	7.35092 (15041901)
3753573.1	8.99050 (14021922)	7.86631 (14080906)	7.45399 (15041901)	7.35412 (15081106)	7.28538 (15091404)
3753523.1	9.69232 (15081106)	8.54557 (15091404)	7.68746 (15091404)	7.26333 (15042306)	7.15692 (14052504)
3753473.1	10.41290 (15042306)	9.54402 (14052504)	8.29540 (14021008)	7.44303 (14021008)	6.98705 (14100121)
3753423.1	10.73435 (14100121)	10.24033 (14100121)	9.02175 (14053124)	8.09753 (14053124)	7.17906 (16062702)
3753373.1	10.83513 (16062702)	10.29583 (16062702)	9.35515 (15091405)	8.42111 (14013001)	7.44850 (14090605)
3753323.1	10.86440 (14090605)	10.16051 (14111423)	9.48787 (14111423)	8.46968 (14073104)	7.51854 (14073104)
3753273.1	10.75395 (16050805)	9.98880 (16050805)	9.21895 (16050805)	8.18750 (15100123)	7.36648 (15100123)
3753223.1	10.38996 (16082404)	9.43067 (16082404)	8.62052 (16082404)	7.81239 (14072202)	7.58588 (14072202)
3753173.1	10.30213 (15080302)	9.23911 (15080302)	8.40786 (15080302)	7.85245 (15080302)	7.54608 (16011618)
3753123.1	10.41315 (14052604)	9.30526 (14052604)	8.17758 (16061724)	7.78403 (16061724)	7.48314 (16061724)
3753073.1	9.84162 (14060302)	8.97836 (15083024)	8.15213 (15083024)	7.73896 (14073101)	7.32528 (14073101)
3753023.1	9.28071 (14062505)	8.73742 (15081706)	8.34805 (15061004)	7.69319 (14060302)	7.04196 (15060801)
3752973.1	8.97421 (14102022)	8.56264 (14102022)	8.06814 (14081303)	7.41560 (15081706)	6.90462 (15081706)
3752923.1	8.51040 (16010318)	8.12184 (16121206)	7.65836 (14071906)	7.07454 (14102022)	6.62346 (14081303)
3752873.1	10.43357 (16032702)	7.74493 (15071124)	7.29902 (16121206)	6.89143 (14080903)	6.52872 (14071906)
3752823.1	9.87340 (15081903)	7.28274 (15091022)	7.01423 (15071124)	6.71509 (14062805)	6.37063 (16121206)
3752773.1	9.37754 (15030101)	6.97918 (14102623)	6.71833 (15091022)	6.45123 (15071124)	6.17122 (16052705)

3752723.1 |	9.21970 (14082923)	6.86359 (15030101)	6.61670 (14102623)	6.16769 (15091022)	5.94369 (16040722)
3752673.1 |	9.44128 (14071905)	9.08412 (14082923)	8.29163 (15030101)	6.97729 (14102623)	6.05813 (14102623)
3752623.1 |	8.77569 (14071905)	8.70543 (14071905)	8.30676 (14082923)	7.62400 (15030101)	7.02304 (15102121)
3752573.1 |	8.59065 (15113017)	7.73220 (14071905)	6.73974 (15101506)	5.55978 (14051003)	5.26908 (15082106)
3752523.1 |	8.35379 (14111824)	8.08760 (15113017)	7.60577 (14071905)	6.83331 (16040803)	5.07142 (14122018)
3752473.1 |	7.95052 (14072702)	7.80844 (14111824)	7.53100 (15113017)	7.31920 (14071905)	6.77854 (14071905)
3752423.1 |	7.45423 (15042223)	7.58564 (14072702)	7.41726 (14111824)	7.05584 (15113017)	6.93037 (14071905)
3752373.1 |	7.18967 (14062203)	7.39237 (14080704)	7.13010 (14072702)	7.04107 (15113017)	6.63313 (15113017)
3752323.1 |	6.29492 (14053103)	6.65618 (14062203)	6.88676 (15042223)	6.70748 (14111824)	6.61254 (15113017)
3752273.1 |	4.31251 (15080424)	5.57862 (15080424)	6.09632 (15080424)	6.31673 (14072702)	6.39184 (14111824)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,
L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,
L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
471760.95	3752929.03	15.86758	(14081001)	471633.36	3752929.03	15.45528	(16011604)
471511.91	3752927.81	21.99246	(15022204)	471378.18	3752924.12	18.62039	(16041404)
471275.13	3752927.81	19.89727	(16101404)	471448.11	3752870.15	17.60136	(15103120)
471385.54	3752872.60	18.70202	(15022204)	471324.20	3752870.15	17.81167	(14071304)
471277.58	3752876.28	17.71250	(16011922)	471162.26	3752926.58	17.87470	(14101101)
471026.09	3752922.90	15.22305	(16060402)	471233.42	3752873.83	17.61955	(16040804)
471104.60	3752868.92	15.67781	(14101101)	471000.32	3752872.60	14.25389	(16082303)
470962.29	3752909.40	14.20416	(16060402)	470866.60	3752908.18	14.01670	(14103106)
470788.09	3752908.18	14.82418	(15082406)				

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,
L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,
L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 470324.27	470374.27	470424.27	470474.27	470524.27
3754223.1	1.35739c(16011224)	1.34097c(16011224)	1.30958 (14042108)	1.29380c(15082908)	1.31192 (15100208)
3754173.1	1.50829c(16011224)	1.51220c(16011224)	1.48501c(16011224)	1.42691c(16011224)	1.35014 (15102008)
3754123.1	1.58626c(16011224)	1.61621c(16011224)	1.62386c(16011224)	1.59205c(16011224)	1.49322c(16011224)
3754073.1	1.61340c(16011224)	1.63337c(16011224)	1.67048c(16011224)	1.72460c(16011224)	1.80762c(16011224)
3754023.1	1.59925c(16011224)	1.64601c(16011224)	1.76255c(16011224)	1.89503c(16011224)	1.97839c(16011224)
3753973.1	1.71592 (15092908)	1.70850c(16011224)	1.81416c(16011224)	1.93169c(16011224)	2.05038c(16011224)
3753923.1	1.90641 (15092908)	1.94073 (15092908)	2.32691 (15092908)	1.98610 (15092908)	2.06689c(16011224)
3753873.1	2.05281 (15092908)	2.15202 (15092908)	2.59394 (15092908)	2.60280 (15092908)	2.57702 (15092908)
3753823.1	2.14137 (15092908)	2.62793 (15092908)	2.69919 (15092908)	2.73895 (15092908)	2.84338 (15092908)
3753773.1	2.17569 (15092908)	2.69960 (15092908)	2.69439 (15092908)	2.79201 (14060508)	2.93953 (15092908)
3753723.1	2.39505 (15092908)	2.70203 (15092908)	2.73733 (15092908)	2.83994 (15092908)	2.98518 (15092908)
3753673.1	2.61873m(15051008)	2.68215 (15092908)	2.82653 (15092908)	2.90768 (15092908)	3.04116 (15092908)
3753623.1	2.69212 (16092308)	2.84382m(15051008)	2.96733m(15051008)	3.05703 (15092908)	3.16384 (15092908)
3753573.1	2.85456 (16092308)	2.83572 (16092308)	2.99641m(15051008)	3.27422m(15051008)	3.40655m(15051008)
3753523.1	2.86236 (15071108)	3.00196 (16092308)	3.08007 (16092308)	3.15083 (16092308)	3.48779m(15051008)
3753473.1	3.26753 (15101308)	3.27525 (15101308)	3.20379 (15101308)	3.32916 (15071108)	3.44408 (16092308)
3753423.1	3.47015 (15101308)	3.60037 (15101308)	3.62996 (15101308)	3.59331 (15101308)	3.61623 (15101308)
3753373.1	3.07433 (15101308)	3.36608 (15101308)	3.61540 (15101308)	3.77748 (15101308)	3.97958 (15101308)
3753323.1	3.31287 (14092408)	3.35719 (14092408)	3.38681 (14092408)	3.29652 (14092408)	3.53913 (14072408)
3753273.1	3.69797 (14092308)	3.81314 (14092308)	3.87771 (14092408)	3.83428 (14092408)	3.93664 (14092408)
3753223.1	3.54912 (16081708)	3.60307 (14092308)	3.54302 (14092308)	2.88129 (14121408)	3.01470 (14121408)
3753173.1	3.34911 (16021908)	3.45020 (16021908)	3.17858 (16021908)	2.02642 (16021908)	2.23252 (16021908)
3753123.1	3.55447 (16030208)	3.87363 (16030208)	3.89560 (16030208)	2.85024 (14010624)	2.76614 (14010624)
3753073.1	3.94757 (16030208)	4.22079 (16030208)	4.47235 (16030208)	4.60482 (15011208)	4.84047 (15011208)
3753023.1	3.76534 (15011208)	4.04277 (15011208)	4.22168 (15011208)	4.62581 (16012008)	5.07452 (16012008)
3752973.1	3.64646 (16012008)	4.03306 (16012008)	4.40319 (15013108)	5.06016 (15013108)	5.64873 (15013108)
3752923.1	3.82971 (15013108)	4.23369 (15013108)	4.42618 (15013108)	4.77463 (15013108)	5.10715 (15013108)
3752873.1	3.62885 (15013108)	3.77132 (15013108)	3.85972 (15013108)	4.48690 (14010408)	5.01540 (14010408)
3752823.1	3.29438 (15013108)	3.51084 (14010408)	3.85344 (14010408)	4.10508 (14010408)	4.24523 (14010408)
3752773.1	3.40953 (14010408)	3.49213 (14010408)	3.47983 (14010408)	3.41533 (14032308)	3.83278 (14032308)
3752723.1	3.07180 (14010408)	2.98885 (14010408)	3.16122 (14032308)	3.30454 (14032308)	3.32070 (14032308)
3752673.1	2.53858 (14032308)	2.89636 (14032308)	2.99304 (14032308)	3.01460 (14032308)	2.88158 (14032308)
3752623.1	2.39967 (14032308)	2.68298 (14032308)	2.63371 (14032308)	2.48232 (14032308)	2.60541 (16121308)
3752573.1	2.10486 (14032308)	2.07355 (14032308)	1.98438 (16102408)	2.32764 (16102408)	2.43995 (16121308)
3752523.1	1.80983 (14032308)	1.80646 (16102408)	1.90084 (16102408)	2.01618 (16102408)	2.27646 (16121308)
3752473.1	1.69606 (16102408)	1.76398 (16102408)	1.78238 (16102408)	1.83927 (15122208)	2.13221 (16121308)
3752423.1	1.67508 (16102408)	1.68475 (16102408)	1.68867 (15122208)	1.75952 (15122208)	1.83995 (15122208)
3752373.1	1.56078 (16102408)	1.55839 (15122208)	1.62194 (15122208)	1.67530 (16041008)	1.78559 (16041008)
3752323.1	1.43300 (15122208)	1.49740 (15122208)	1.56870 (16041008)	1.81024 (16041008)	1.86756 (16041008)
3752273.1	1.37871 (15122208)	1.53985 (16121308)	1.57476 (16041008)	1.74849 (16041008)	1.76799 (16041008)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,
L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,
L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 470574.27	470624.27	470674.27	470724.27	470774.27
3754223.1	1.35492 (15100208)	1.39924c(15092408)	1.50609c(15092408)	1.55658 (16101508)	1.62330 (16101508)
3754173.1	1.33715c(15082908)	1.43424c(15092408)	1.59219c(15092408)	1.67285c(15092408)	1.69008c(15092408)
3754123.1	1.42336 (15102008)	1.45315c(15082908)	1.63007c(15092408)	1.78115c(15092408)	1.81146c(15092408)
3754073.1	1.75157c(16011224)	1.58925c(16011224)	1.66491c(15092408)	1.79932c(15092408)	1.95387c(15092408)
3754023.1	1.97147c(16011224)	1.93191c(16011224)	1.75528c(16011224)	1.80349c(15092408)	2.09857c(15092408)
3753973.1	2.14290c(16011224)	2.15654c(16011224)	2.06943c(16011224)	1.97147c(16011224)	2.12444c(15092408)
3753923.1	2.22164c(16011224)	2.31676c(16011224)	2.36501c(16011224)	2.34560c(16011224)	2.22780c(16011224)
3753873.1	2.22395 (14060508)	2.41485c(16011224)	2.53994c(16011224)	2.64476c(16011224)	2.59919c(16011224)
3753823.1	2.90129 (15092908)	2.49458 (15092908)	2.62528c(16011224)	2.81633c(16011224)	2.87614c(16011224)
3753773.1	3.07428 (15092908)	2.71109 (15092908)	2.77815 (15092908)	2.87392 (15092908)	3.09958c(16011224)
3753723.1	3.16339 (15092908)	3.08444 (15092908)	3.06801 (15092908)	3.18911 (15092908)	3.29489 (15092908)
3753673.1	3.18484 (15092908)	3.34680 (15092908)	3.13680 (15092908)	3.35014 (15092908)	3.60675 (15092908)
3753623.1	3.25014 (14031408)	3.37166 (15092908)	3.43072 (15092908)	3.41972 (15092908)	3.73307 (15092908)
3753573.1	3.52647 (15092908)	3.62896 (15092908)	3.55584 (14031408)	3.60254 (16092308)	3.82751 (15092908)
3753523.1	3.82112m(15051008)	4.04744 (15092908)	4.10727 (15092908)	4.24464 (15051608)	4.50473 (15051608)
3753473.1	3.50106 (16092308)	4.07639m(15051008)	4.63280 (15092908)	4.85632 (15092908)	5.57758 (15051608)
3753423.1	3.86074 (15071108)	4.13276 (15071108)	4.28242 (15071108)	5.21347 (15092908)	5.75092 (15092908)
3753373.1	4.43085 (15101308)	4.82349 (15101308)	4.91167 (15101308)	5.08000 (15071108)	5.39462 (15092908)
3753323.1	4.26535 (15101308)	5.01906 (15101308)	5.70619 (15101308)	6.11438 (15101308)	6.28057 (15101308)
3753273.1	4.45600 (14092408)	5.25999 (14092408)	5.62647 (14092408)	5.93255 (14072408)	7.10713 (14072408)
3753223.1	4.16183 (16081708)	4.94412 (16081708)	5.94005 (16081708)	6.99726 (16081708)	8.16588 (16081708)
3753173.1	3.10622 (16021908)	4.60691 (16021908)	5.54876 (16021908)	6.49250 (16021908)	7.63208 (16030208)
3753123.1	3.80456 (14010624)	5.50294 (16030208)	6.05817 (16030208)	7.20851 (15011208)	8.20977 (15011208)
3753073.1	4.98508 (15011208)	5.34579 (15011208)	6.15302 (16012008)	6.85962 (16012008)	8.30278 (15013108)
3753023.1	5.51296 (15013108)	6.43439 (15013108)	7.11970 (15013108)	7.14087 (15013108)	7.78533 (14010408)
3752973.1	6.04271 (15013108)	6.08289 (15013108)	6.69459 (14010408)	6.70695 (14010408)	6.35721 (14010408)
3752923.1	5.63219 (14010408)	5.83460 (14010408)	5.65265 (14010408)	5.36602 (14032308)	5.31925 (16121308)
3752873.1	4.97388 (14010408)	4.67477 (14010408)	4.77243 (14032308)	4.69005 (16121308)	5.20414 (16121308)
3752823.1	4.21775 (14032308)	4.23255 (14032308)	4.12043 (16121308)	4.54639 (16121308)	4.73796 (16121308)
3752773.1	3.79607 (14032308)	3.63971 (14032308)	3.98733 (16121308)	4.16997 (16121308)	4.02353 (16121308)
3752723.1	3.28001 (14032308)	3.46106 (16121308)	3.68612 (16121308)	3.68776 (16121308)	3.50834 (16121308)
3752673.1	3.09914 (16121308)	3.24839 (16121308)	3.31331 (16121308)	3.24095 (16121308)	3.20614 (16082308)
3752623.1	2.86742 (16121308)	2.89647 (16121308)	2.92461 (16121308)	2.90576 (16121308)	2.84600 (16121308)
3752573.1	2.62194 (16121308)	2.60938 (16121308)	2.64490 (16121308)	2.62217 (16121308)	2.54025 (16121308)
3752523.1	2.41416 (16121308)	2.35500 (16121308)	2.31587 (16121308)	2.37480 (16041008)	2.38171 (16041008)
3752473.1	2.17321 (16121308)	2.15706 (16041008)	2.22064 (16041008)	2.22945 (16041008)	2.18510 (16041008)

3752423.1 |	2.00714 (16041008)	2.09620 (16041008)	2.09943 (16041008)	2.04792 (16041008)	1.90052 (16041008)
3752373.1 |	1.90693 (16041008)	1.96282 (16041008)	1.92802 (16041008)	1.80072 (16041008)	1.80635 (15052308)
3752323.1 |	1.86513 (16041008)	1.80547 (16041008)	1.71280 (16041008)	1.65108 (15052308)	1.74297 (15052308)
3752273.1 |	1.72450 (16041008)	1.63148 (16041008)	1.53332 (15052308)	1.61606 (16123008)	1.69424 (14050808)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,
L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,
L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

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

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

Y-COORD | (METERS) |	X-COORD (METERS) 470824.27	470874.27	470924.27	470974.27	471024.27
3754223.1 |	1.66696 (16101508)	1.73089 (14102008)	1.73633 (14102008)	1.70866 (14102008)	1.64949 (14102008)
3754173.1 |	1.73722 (16101508)	1.73761 (14102008)	1.83494 (14102008)	1.86553 (14102008)	1.84627 (14102008)
3754123.1 |	1.83541c(15092408)	1.85480 (16101508)	1.89085 (14102008)	1.95830 (14102008)	2.13170 (14102008)
3754073.1 |	2.08383c(15092408)	2.00182c(15092408)	1.98949 (16101508)	2.08442 (14102008)	2.30188 (14102008)
3754023.1 |	2.26514c(15092408)	2.28698c(15092408)	2.28137 (16101508)	2.23517 (14102008)	2.30061 (14102008)
3753973.1 |	2.35880c(15092408)	2.48723c(15092408)	2.48504c(15092408)	2.47816 (16101508)	2.45920 (14102008)
3753923.1 |	2.34898c(15092408)	2.52602c(15092408)	2.56412c(15092408)	2.52563 (16033008)	2.59791 (16101508)
3753873.1 |	2.42990 (15102008)	2.56036c(15092408)	2.64334c(15092408)	2.79905c(15092408)	2.88702 (16033008)
3753823.1 |	2.87021c(16011224)	2.80169 (15102008)	2.72286c(15092408)	2.93670c(15092408)	3.14018 (16033008)
3753773.1 |	3.21113c(16011224)	3.17874c(16011224)	3.15046 (15102008)	3.21663 (14121024)	3.30222 (14053008)
3753723.1 |	3.39868c(16011224)	3.52888c(16011224)	3.46602 (14102008)	3.69393 (15102008)	3.79797 (15102008)
3753673.1 |	3.84626 (15092908)	3.83383 (15092908)	3.92005 (14102008)	4.05080 (15102008)	4.42396 (15102008)
3753623.1 |	4.08954 (15092908)	4.37310 (15092908)	4.53750 (14102008)	4.76159 (14102008)	4.87786 (15102008)
3753573.1 |	4.29775 (15092908)	4.63596 (15092908)	5.03960 (14102008)	5.55883 (14102008)	5.47476 (14102008)
3753523.1 |	4.77688 (16092308)	4.65153 (15092908)	5.99832 (15092908)	6.78883 (14102008)	7.11015 (14102008)
3753473.1 |	5.68713 (15051608)	5.64616 (16092308)	5.48193 (16092308)	6.70593 (14102008)	7.97954 (14102008)
3753423.1 |	6.47440 (15051608)	6.69737 (15051608)	6.02774c(15082908)	7.31236 (14102008)	9.16849 (14102008)
3753373.1 |	6.78612 (15092908)	7.24026 (15092908)	8.17965 (15051608)	8.07272 (15051608)	10.22024 (14102008)
3753323.1 |	6.49725 (16092308)	7.75943 (15092908)	10.28796 (15092908)	11.60227 (15092908)	11.80983 (14102008)
3753273.1 |	8.51242 (14072408)	9.82350 (14072408)	10.58672 (14072408)	14.01173 (15092908)	18.68360 (15092908)
3753223.1 |	9.74123 (16081708)	11.49866 (16081708)	13.95488 (16081708)	19.09251 (16081708)	26.99749 (14072408)
3753173.1 |	9.10157 (16030208)	11.01118 (16030208)	13.98748 (16030208)	20.77095 (15011208)	30.57092 (16123108)
3753123.1 |	9.43863 (16012008)	11.40724 (15013108)	12.85075 (15013108)	15.64329 (16123108)	19.88233 (16123108)
3753073.1 |	9.23132 (15013108)	10.05441 (14010408)	10.71757 (16123108)	12.32222 (16123108)	12.94379 (16123108)
3753023.1 |	7.78139 (14010408)	7.97796 (16123108)	8.60485 (16123108)	8.97657 (16123108)	9.08609 (16123108)
3752973.1 |	6.40148 (16123108)	6.86720 (16121308)	6.97885 (16123108)	7.04459 (16123108)	7.05853 (16123108)
3752923.1 |	6.01954 (16121308)	6.13632 (16121308)	5.75307 (16123108)	5.69534 (16123108)	5.84243 (16121308)

3752873.1 |	5.33952 (16121308)	5.03685 (16121308)	4.70458 (16123108)	4.66670 (16121308)	5.00811 (16121308)
3752823.1 |	4.49665 (16121308)	4.18516 (16121308)	4.07876 (16121308)	4.15431 (16121308)	4.41776 (14020624)
3752773.1 |	3.78644 (16121308)	3.71368 (16082308)	3.73532 (16121308)	3.70164 (14020624)	3.89994 (14020624)
3752723.1 |	3.45811 (16082308)	3.35711 (16121308)	3.31590 (16121308)	3.44399 (14020624)	3.28443 (14020624)
3752673.1 |	3.09234 (16121308)	3.02802 (16121308)	3.06275 (14020624)	3.04918 (14020624)	2.94855 (15052308)
3752623.1 |	2.77675 (16121308)	2.74513 (16041008)	2.78082 (14020624)	2.80864 (15052308)	2.83713 (15052308)
3752573.1 |	2.55618 (16041008)	2.48089 (16041008)	2.51198 (15052308)	2.67891 (15052308)	2.73520 (15052308)
3752523.1 |	2.32685 (16041008)	2.26803 (15052308)	2.41651 (15052308)	2.53767 (15052308)	2.52942 (15052308)
3752473.1 |	2.07413 (15052308)	2.19081 (15052308)	2.34505 (15052308)	2.41043 (15052308)	2.27452 (15052308)
3752423.1 |	1.98637 (15052308)	2.15994 (15052308)	2.23158 (15052308)	2.19095 (15052308)	2.07757 (16121208)
3752373.1 |	1.91976 (15052308)	2.08433 (15052308)	2.13889 (15052308)	2.02567 (15052308)	1.88842 (16121208)
3752323.1 |	1.89246 (15052308)	2.04578 (15052308)	2.08900 (15052308)	1.97740 (16121208)	1.72080 (16121208)
3752273.1 |	1.85461 (15052308)	1.98034 (15052308)	1.95157 (15052308)	1.81207 (16121208)	1.63068 (14102924)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,
L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,
L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

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

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

Y-COORD | (METERS) |	X-COORD (METERS) 471074.27	471124.27	471174.27	471224.27	471274.27
3754223.1 |	1.61535 (14102008)	1.38244 (14102008)	1.25795m(16081408)	1.35983m(16081408)	1.36907m(16081408)
3754173.1 |	1.87423 (14102008)	1.64467 (14102008)	1.36798 (14102008)	1.42745m(16081408)	1.46672m(16081408)
3754123.1 |	2.12899 (14102008)	1.88415 (14102008)	1.57166 (14102008)	1.49820m(16081408)	1.57816m(16081408)
3754073.1 |	2.31542 (14102008)	2.11437 (14102008)	1.83372 (14102008)	1.54203 (14102008)	1.68501m(16081408)
3754023.1 |	2.49924 (14102008)	2.34072 (14102008)	2.14504 (14102008)	1.88294 (14102008)	1.76626m(16081408)
3753973.1 |	2.64023 (14102008)	2.82160 (14102008)	2.63634 (14102008)	2.19706 (14102008)	1.89921m(16081408)
3753923.1 |	2.74287 (14102008)	3.05406 (14102008)	3.06999 (14102008)	2.71014 (14102008)	2.31218 (14102008)
3753873.1 |	2.98846 (14102008)	3.15633 (14102008)	3.21752 (14102008)	3.21415 (14102008)	2.96428 (14102008)
3753823.1 |	3.22969 (16101508)	3.45833 (14102008)	3.57904 (14102008)	3.57854 (14102008)	3.31291 (14102008)
3753773.1 |	3.51757 (15010924)	3.43923 (14102008)	3.66037 (14102008)	3.73472 (14102008)	3.64805 (14102008)
3753723.1 |	3.88912 (15010924)	3.94494 (15010924)	3.92055 (14102008)	4.19964 (14102008)	4.16064 (14102008)
3753673.1 |	4.37556 (14053008)	4.49574 (15010924)	4.20282 (16101508)	4.44186 (14102008)	4.63792 (14102008)
3753623.1 |	5.03678 (15102008)	4.72270 (14053008)	4.68684 (16101508)	5.44342 (14102008)	5.43105 (14102008)
3753573.1 |	5.42891 (15102008)	5.55434 (15102008)	5.79460 (16100208)	6.49635 (16100208)	6.63329 (14102008)
3753523.1 |	6.15231 (14102008)	6.71164 (16032608)	7.20037 (16100208)	7.83506 (16100208)	7.80511 (14102008)
3753473.1 |	7.80170 (15092908)	7.40991 (15092908)	8.36615 (16100208)	8.95799 (16100208)	9.31924 (14102008)
3753423.1 |	9.14463 (14102008)	8.65798m(15051008)	9.44697 (15082608)	10.82032 (14060508)	11.19795 (14060508)
3753373.1 |	10.79147 (14102008)	10.59073 (14102008)	11.76039 (14040408)	11.84128 (15092908)	13.85599 (15092908)

3753323.1 |	13.76071 (14102008)	13.23926 (14040408)	13.65993 (14040408)	13.05566 (16030408)	15.70976 (15092908)
3753273.1 |	20.21744 (14102008)	19.49484 (14040408)	19.73758 (14102708)	16.56966 (16081708)	18.75249 (16081708)
3753223.1 |	44.44081 (15092908)	43.53314 (15092908)	39.41126 (16032008)	39.40327 (15072808)	27.69336 (15101808)
3753173.1 |	37.25574 (16123108)	34.92592 (16123108)	30.18910 (16011924)	28.34472 (16092208)	25.09789 (16011624)
3753123.1 |	18.66947 (16123108)	15.91799 (16121108)	16.45414 (16011524)	14.97543 (16011524)	16.75984 (16123108)
3753073.1 |	11.86145 (16123108)	10.76478 (16121108)	10.51600 (16011524)	11.95425 (16011524)	12.67015 (16011524)
3753023.1 |	8.52620 (16123108)	8.07676 (14020624)	8.44007 (16123108)	9.82510 (16011524)	10.68333 (16011524)
3752973.1 |	6.91093 (14020624)	6.84239 (14020624)	7.20099 (16121308)	7.90962 (16011524)	8.40704 (16011524)
3752923.1 |	6.12895 (16121308)	6.19745 (16121308)	6.29334 (16011524)	6.50028 (16011524)	7.11071 (15052308)
3752873.1 |	5.24938 (14020624)	4.83782 (16011524)	5.05522 (16011524)	5.31919 (16011608)	5.69181 (15052308)
3752823.1 |	4.30536 (14020624)	4.10530 (14113024)	4.10737 (14113024)	4.47462 (15052308)	4.65099 (15052308)
3752773.1 |	3.51709 (14020624)	3.61770 (14113024)	3.53984 (15052308)	3.84003 (15052308)	3.90118 (16121108)
3752723.1 |	3.21158 (15052308)	3.17404 (15052308)	3.15015 (15052308)	3.26452 (15052308)	3.50912 (16121108)
3752673.1 |	2.95290 (15052308)	2.83069 (15052308)	2.76531 (15052308)	2.82099 (15052308)	3.12571 (16121108)
3752623.1 |	2.73181 (15052308)	2.45777 (15052308)	2.38202 (15052308)	2.57506 (16121108)	2.71105 (16121108)
3752573.1 |	2.46051 (15052308)	2.22399 (16121208)	2.08623 (15052308)	2.40145 (16121108)	2.45428 (16121108)
3752523.1 |	2.30780 (16121208)	2.02825 (16121208)	1.83222 (14102924)	2.28360 (16121108)	2.28709 (16121108)
3752473.1 |	2.13825 (16121208)	1.92919 (14102924)	1.85240 (16121108)	2.08866 (16121108)	2.09990 (16121108)
3752423.1 |	1.85538 (16121208)	1.84299 (14102924)	1.91042 (16121108)	1.99705 (16121108)	1.63795 (16121108)
3752373.1 |	1.72328 (14102924)	1.51344 (15020724)	1.70155 (16121108)	1.73715 (16121108)	1.48337 (16121108)
3752323.1 |	1.66776 (14102924)	1.40647 (15020724)	1.47417 (16121108)	1.47503 (16121108)	1.33042 (16121108)
3752273.1 |	1.49776 (14102924)	1.32958 (15020724)	1.43150 (16121108)	1.29402 (16121108)	1.19681 (16121108)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,
L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,
L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	471324.27	471374.27	471424.27	471474.27	471524.27
3754223.1 |	1.41405m(16081008)	1.42364m(16081008)	1.53358 (14040408)	1.88286 (14040408)	2.10369 (14040408)
3754173.1 |	1.49049m(16081008)	1.49044m(16081008)	1.54678 (14040408)	1.88396 (14040408)	2.15632 (14040408)
3754123.1 |	1.58064m(16081008)	1.60034m(16081008)	1.63190 (14040408)	1.96705 (14040408)	2.24971 (14040408)
3754073.1 |	1.67718m(16081008)	1.72643m(16081008)	1.74801 (14040408)	2.09427 (14040408)	2.34693 (14040408)
3754023.1 |	1.81464m(16081408)	1.87247m(16081008)	1.90029 (14040408)	2.25577 (14040408)	2.48664 (14040408)
3753973.1 |	1.97893m(16081408)	2.03322m(16081008)	2.07945 (14040408)	2.45963 (14040408)	2.67455 (14040408)
3753923.1 |	2.18119m(16081408)	2.21636m(16081008)	2.30197 (14040408)	2.68457 (14040408)	2.89841 (14040408)
3753873.1 |	2.39336m(16081408)	2.39595m(16081008)	2.49820 (14040408)	2.88432 (14040408)	3.14452 (14040408)
3753823.1 |	2.71501 (14102008)	2.54190m(16081008)	2.77690 (14040408)	3.19119 (14040408)	3.46390 (14040408)

3753773.1 |	3.34044 (14102008)	2.92826m(16081408)	3.21497 (14040408)	3.54600 (14040408)	3.93876 (14040408)
3753723.1 |	3.99448 (14102008)	3.44268 (14102008)	3.78987 (14040408)	3.95294 (14040408)	4.49253 (14040408)
3753673.1 |	4.63764 (14102008)	4.25784 (14102008)	4.67673 (14040408)	4.45335 (14040408)	5.18723 (14040408)
3753623.1 |	5.30863 (14102008)	5.39409 (14102008)	5.89634 (14040408)	5.15304m(16081408)	5.97001 (14040408)
3753573.1 |	6.46221 (14102008)	6.87791 (14102008)	8.15136 (14040408)	7.30972m(16081408)	7.36433 (14040408)
3753523.1 |	8.78400 (14102008)	9.38842 (14102008)	10.90334 (14040408)	9.77163 (14102708)	10.80747 (14040408)
3753473.1 |	11.54727 (14102008)	12.25884 (14102008)	14.87398 (14040408)	15.02189 (14102708)	14.70088 (14040408)
3753423.1 |	14.59053 (14102008)	16.24410 (14102008)	19.53945 (14040408)	20.72489 (14102008)	23.32186m(16081008)
3753373.1 |	17.17415 (14102008)	24.51052 (14102008)	25.95466 (14040408)	24.05460 (14102008)	44.94776 (14102008)
3753323.1 |	20.59857 (15092908)	36.47207 (14102008)	32.04926 (14102708)	24.99440 (16032008)	47.92630 (14102008)
3753273.1 |	24.50310 (14010408)	41.56893 (16121308)	36.45578 (15072808)	26.50742 (16011724)	50.29652 (16121108)
3753223.1 |	25.36209 (14010408)	39.60574 (16121308)	35.98718 (14090608)	25.91627 (16011624)	49.72793 (16121108)
3753173.1 |	25.72970 (16123108)	36.45842 (16123108)	34.00384 (16010924)	25.02328 (16121208)	41.85640 (16121108)
3753123.1 |	19.07511 (16123108)	23.68560 (16121108)	20.11490 (15022208)	19.01164 (16011524)	19.43700b(15061608)
3753073.1 |	13.64182 (15052308)	17.21450 (16121108)	15.07381 (15022208)	13.93685 (16011924)	13.85100 (16013024)
3753023.1 |	11.18906 (15052308)	13.71416 (16121108)	11.03181 (15022208)	10.31421 (16013024)	11.55906 (16013024)
3752973.1 |	9.30770 (15052308)	11.14231 (16121108)	9.13643 (16011524)	7.93056 (16011524)	9.02719 (16013024)
3752923.1 |	7.62786 (15052308)	7.25042 (16121108)	6.95538 (16011524)	6.97226 (16011524)	7.59682 (15022208)
3752873.1 |	5.88144 (16121108)	5.36147 (16013024)	5.74637 (15022208)	5.96647 (15022208)	6.54833 (15022208)
3752823.1 |	4.62473 (16121108)	4.72722 (16013024)	4.72212 (15022208)	5.22381 (15022208)	5.55999 (15022208)
3752773.1 |	3.89346 (16121108)	4.13944 (16013024)	3.85631 (15022208)	4.50192 (15022208)	4.54341 (15022208)
3752723.1 |	3.33855 (16121108)	3.50634 (16013024)	3.44010 (16013024)	3.97037 (16013024)	3.82683 (15022208)
3752673.1 |	2.91625 (16121108)	2.86844 (16013024)	3.21166 (16013024)	3.78103 (16013024)	3.54863 (15022208)
3752623.1 |	2.41024 (16121108)	2.52263 (16121108)	2.94883 (15022208)	3.43397 (16013024)	3.29535 (16013024)
3752573.1 |	2.20262 (16121108)	2.26911b(15061608)	2.76774 (15022208)	3.09387 (15022208)	3.04337 (16013024)
3752523.1 |	2.02536 (16121108)	2.12369b(15061608)	2.44325 (15022208)	2.63045 (15022208)	2.39193 (16013024)
3752473.1 |	1.83398 (16121108)	1.91648b(15061608)	1.94185 (15022208)	2.20444 (15022208)	2.03185 (15022208)
3752423.1 |	1.45419b(15061608)	1.74143b(15061608)	1.81730 (15022208)	1.69392 (15022208)	1.27509 (15022208)
3752373.1 |	1.35470b(15061608)	1.46300b(15061608)	1.54818 (15022208)	1.34707 (15022208)	1.04204 (15022208)
3752323.1 |	1.36569b(15061608)	1.32185b(15061608)	1.30076b(15061608)	1.16235 (15022208)	1.01497 (15022208)
3752273.1 |	1.18313b(15061608)	1.15453b(15061608)	1.04401b(15061608)	1.10623 (15022208)	0.91992 (15022208)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,
L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,
L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	471574.27	471624.27	471674.27	471724.27	471774.27

- - - -

3754223.1 |	2.17614 (14040408)	2.00595 (14040408)	1.70729 (14040408)	1.39854 (15081808)	1.54713 (15081808)
3754173.1 |	2.23358 (14040408)	2.11171 (14040408)	1.77437 (14040408)	1.50304 (15081808)	1.64691 (15081808)
3754123.1 |	2.32852 (14040408)	2.14280 (14040408)	1.82714 (14040408)	1.62192 (15081808)	1.74575 (15081808)
3754073.1 |	2.38153 (14040408)	2.16403 (14040408)	1.79570 (14040408)	1.71907 (15081808)	1.79257 (15081808)
3754023.1 |	2.47223 (14040408)	2.21223 (14040408)	1.76621 (14040408)	1.81837 (15081808)	1.86366 (15081808)
3753973.1 |	2.63979 (14040408)	2.31693 (14040408)	1.89074 (14032108)	1.97880 (15081808)	1.95554 (15081808)
3753923.1 |	2.85166 (14040408)	2.46007 (14040408)	2.05198 (14032108)	2.14008 (15081808)	2.02793 (14032108)
3753873.1 |	3.10652 (14040408)	2.63646 (14040408)	2.27689 (14032108)	2.34184 (15081808)	2.26755 (14032108)
3753823.1 |	3.43127 (14040408)	2.85653 (14040408)	2.56664 (15081808)	2.53007 (15081808)	2.60555 (14032108)
3753773.1 |	3.87989 (14040408)	3.12574 (14040408)	2.89396 (15081808)	2.87700 (14032108)	2.85760 (14032108)
3753723.1 |	4.48116 (14040408)	3.51988 (14032108)	3.36521 (14032108)	3.27764 (14032108)	3.07713 (14032108)
3753673.1 |	5.16337 (14040408)	4.18916 (14032108)	4.00776 (14032108)	3.74590 (14032108)	3.20638 (14083108)
3753623.1 |	6.06453 (14040408)	5.08562 (14032108)	4.83874 (14032108)	4.25748 (14083108)	3.53822 (15022008)
3753573.1 |	7.87444 (14040408)	6.62836 (14032108)	6.28925 (14032108)	5.14819 (14083108)	3.95401 (15072808)
3753523.1 |	9.57522 (14040408)	8.72038 (14032108)	7.64770 (14083108)	6.11715 (15072808)	4.88203 (15072808)
3753473.1 |	13.89434 (14032108)	10.77466 (14083108)	8.45960 (15072808)	7.07965 (15072808)	6.16135 (15072808)
3753423.1 |	21.15476 (14102708)	14.44353 (15072808)	11.98170 (15072808)	9.52000 (15072808)	8.58334 (14100924)
3753373.1 |	29.60264 (15072808)	20.26925 (15072808)	15.25249 (15072808)	12.23438 (14100924)	10.76845 (14100924)
3753323.1 |	33.27474 (15072808)	22.64252 (15101808)	18.19038 (15101808)	15.34800 (15101808)	13.14483 (15101808)
3753273.1 |	34.51763 (14090608)	24.75561 (15101808)	19.62125 (15101808)	16.26878 (15101808)	13.76189 (15101808)
3753223.1 |	34.95856 (14030224)	23.34435 (15101808)	17.61050 (15101808)	14.44451m(16070308)	12.25256m(16070308)
3753173.1 |	31.71819 (16092208)	21.37353 (16092208)	16.53246 (16011624)	13.70244 (16011624)	11.65854 (16011624)
3753123.1 |	21.50907 (16013024)	15.57260 (16092208)	13.57600 (16092208)	11.49517 (16121208)	10.18547 (16121208)
3753073.1 |	13.44470 (16013024)	13.08659 (16010924)	9.94275 (16092208)	9.23526 (16092208)	8.08670 (16121208)
3753023.1 |	10.32186 (15022208)	10.19953 (16010924)	8.91335 (16010924)	7.37343 (16092208)	6.91864 (16092208)
3752973.1 |	8.31890 (15022208)	7.97663 (16010924)	7.67364 (16010924)	6.45274 (16010924)	5.77646 (16092208)
3752923.1 |	7.14879 (15022208)	6.61096 (16013024)	6.60800 (16010924)	6.17494 (16013024)	5.66525 (16030508)
3752873.1 |	6.57431 (15022208)	5.53265 (16013024)	5.55224 (16013024)	5.63644 (16013024)	5.06229 (16030508)
3752823.1 |	5.70130 (15022208)	4.53587 (16013024)	4.78426 (16013024)	5.03898 (16010924)	4.73983 (16013024)
3752773.1 |	4.88176 (15022208)	4.10159 (16011524)	4.38707 (16010924)	4.53982 (16010924)	4.28913 (16013024)
3752723.1 |	4.14636 (15022208)	3.79107 (16011524)	3.97072 (16010924)	4.18057 (16010924)	3.90924 (16010924)
3752673.1 |	3.68247 (15022208)	3.45278 (16010924)	3.62131 (16010924)	3.80150 (16010924)	3.67575 (16010924)
3752623.1 |	3.14753 (15022208)	3.03401 (16010924)	3.22330 (16010924)	3.40653 (16010924)	3.45067 (16010924)
3752573.1 |	2.58293 (15022208)	2.53545 (15022208)	2.93778 (16010924)	3.11279 (16010924)	3.20258 (16010924)
3752523.1 |	1.98044 (16013024)	2.20426 (15022208)	2.55075 (16010924)	2.79361 (16010924)	2.95430 (16010924)
3752473.1 |	1.62280 (16013024)	1.92262 (15022208)	2.01114 (16010924)	2.30006 (16010924)	2.53614 (16010924)
3752423.1 |	1.34795 (16013024)	1.52316 (15022208)	1.63779 (16013024)	1.71790 (16010924)	2.08467 (16010924)
3752373.1 |	1.10333 (16102124)	1.27436 (16013024)	1.22551 (16013024)	1.31326 (16010924)	1.63215 (16010924)
3752323.1 |	0.94435 (16102124)	1.02075 (16013024)	0.98718 (16013024)	0.97593 (16013024)	1.03103 (16010924)
3752273.1 |	0.83751 (16102124)	0.86983 (16102124)	0.81357 (16013024)	0.84835 (16013024)	0.86774 (16013024)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,
L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,
L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 471824.27	471874.27	471924.27	471974.27	472024.27
3754223.1	1.59213 (15081808)	1.54442 (15081808)	1.43814 (14032108)	1.48257 (14032108)	1.47604 (14032108)
3754173.1	1.65806 (15081808)	1.55550 (15081808)	1.55179 (14032108)	1.57746 (14032108)	1.53956 (14032108)
3754123.1	1.72186 (15081808)	1.60688 (14032108)	1.65745 (14032108)	1.66279 (14032108)	1.58667 (14032108)
3754073.1	1.71967 (15081808)	1.75007 (14032108)	1.77607 (14032108)	1.72578 (14032108)	1.59196 (14032108)
3754023.1	1.77344 (14032108)	1.87113 (14032108)	1.86575 (14032108)	1.75986 (14032108)	1.56445 (14032108)
3753973.1	1.92369 (14032108)	1.94749 (14032108)	1.88408 (14032108)	1.75835 (14032108)	1.68032 (15022008)
3753923.1	2.08910 (14032108)	2.04094 (14032108)	1.94796 (14032108)	1.82793 (15022008)	1.81718 (15022008)
3753873.1	2.25539 (14032108)	2.11667 (14032108)	1.85912 (15022008)	1.89033 (15022008)	1.84178 (15022008)
3753823.1	2.44749 (14032108)	2.13183 (14032108)	2.04117 (15022008)	1.96132 (15022008)	1.78640 (15022008)
3753773.1	2.57903 (14032108)	2.31336 (15022008)	2.20684 (15022008)	1.98352 (15022008)	1.82587 (15072808)
3753723.1	2.69811 (15022008)	2.57767 (15022008)	2.26745 (15022008)	2.04712 (15072808)	1.77588 (15072808)
3753673.1	3.07193 (15022008)	2.64847 (15022008)	2.36270 (15072808)	2.11770 (15072808)	1.95830 (15081008)
3753623.1	3.17072 (15022008)	2.85173 (15072808)	2.41986 (15072808)	2.41427 (15081008)	2.35242 (15081008)
3753573.1	3.51844 (15072808)	2.98492 (15072808)	2.77762 (15081008)	2.84178 (16101608)	2.86528 (16101608)
3753523.1	4.10287 (15072808)	3.63829 (16101608)	3.43045 (16101608)	3.30931 (14100924)	3.69253 (14100924)
3753473.1	5.26735 (15072808)	5.11087 (14100924)	4.74428 (14100924)	4.46331 (14100924)	4.64929 (14100924)
3753423.1	7.78961 (14100924)	6.77735 (14100924)	6.02214 (14100924)	5.42698 (14100924)	4.97526 (14100924)
3753373.1	9.17558 (15101808)	7.77232 (15101808)	7.31985 (15101808)	6.91676 (15101808)	5.96100 (15101808)
3753323.1	11.02336 (15101808)	9.30203 (15101808)	9.01102 (15101808)	8.02908 (15101808)	6.84490 (15101808)
3753273.1	11.49785 (15101808)	9.74604 (15101808)	8.96489 (15101808)	7.82325 (15101808)	6.63132 (15101808)
3753223.1	10.58728m(16070308)	9.26077m(16070308)	8.24022m(16070308)	7.30496m(16070308)	6.04936m(16070308)
3753173.1	10.02198 (16011624)	8.94776m(16070308)	8.08051m(16070308)	7.25323m(16070308)	6.11948m(16070308)
3753123.1	9.02679 (16121208)	8.19155 (16011624)	7.39820 (16011624)	6.55023 (16011624)	5.98930 (16011624)
3753073.1	7.61818 (16121208)	7.09352 (16121208)	6.58639 (16121208)	6.08358 (16121208)	5.64739 (16011624)
3753023.1	6.33111 (16092208)	6.15828 (16121208)	6.03013 (16121208)	5.72086 (16121208)	5.29861 (16121208)
3752973.1	5.44632 (16092208)	5.11421 (16092208)	4.88792 (16121208)	4.90294 (16121208)	4.82691 (16121208)
3752923.1	4.72766 (15100424)	4.59506 (15051208)	4.36939 (15051208)	4.04031 (16092208)	4.45324 (16092208)
3752873.1	4.45046 (16030508)	4.15692 (15100424)	3.98866 (15051208)	3.86679 (15051208)	4.03668 (15051208)
3752823.1	4.32075 (16030508)	4.25987 (15100424)	4.06798 (15100424)	3.51873 (15051208)	3.97799 (15051208)
3752773.1	3.94472 (16013024)	3.80262 (15100424)	3.89255 (15100424)	3.35147 (15100424)	3.60362 (15051208)
3752723.1	3.72015 (16013024)	3.47636 (15091024)	3.52116 (15100424)	3.49713 (15100424)	3.29905 (15100424)
3752673.1	3.40652 (16013024)	3.23044 (16013024)	3.08308 (15091024)	3.25506 (15100424)	3.24049 (15100424)
3752623.1	3.11370 (16010924)	3.09180 (16013024)	2.88198 (16030424)	2.84305 (15100424)	3.06679 (15100424)
3752573.1	3.04665 (16010924)	2.84310 (16013024)	2.73676 (16013024)	2.64772 (15091024)	2.72044 (15100424)
3752523.1	2.86206 (16010924)	2.25036 (16010924)	2.31323 (16013024)	2.29494 (16013024)	2.42053 (15091024)
3752473.1	2.46012 (16010924)	1.77885 (16010924)	1.70125 (16013024)	1.91953 (16013024)	1.99001 (15091024)
3752423.1	1.93489 (16010924)	1.69954 (16010924)	1.47647 (16013024)	1.59045 (16013024)	1.78603 (16013024)
3752373.1	2.00285 (16010924)	1.59095 (16010924)	1.39822 (16010924)	1.46958 (16013024)	1.65687 (16013024)
3752323.1	1.60028 (16010924)	1.41009 (16010924)	1.29387 (16010924)	1.23381 (16030424)	1.48653 (16013024)
3752273.1	1.26079 (16010924)	1.22171 (16010924)	1.16461 (16010924)	1.14937 (16030424)	1.08412 (16013024)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,
L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,
L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 472074.27	472124.27	472174.27	472224.27	472274.27
3754223.1	1.42927 (14032108)	1.32684 (14032108)	1.21129 (16083008)	1.16285 (15022008)	1.18565 (15022008)
3754173.1	1.45115 (14032108)	1.30660 (14032108)	1.24563 (16083008)	1.25984 (15022008)	1.25756 (15022008)
3754123.1	1.43626 (14032108)	1.34406 (16083008)	1.35080 (15022008)	1.32784 (15022008)	1.28355 (15022008)
3754073.1	1.44917 (16083008)	1.45436 (15022008)	1.43187 (15022008)	1.34067 (15022008)	1.22165 (15072808)
3754023.1	1.55598 (15022008)	1.55694 (15022008)	1.46068 (15022008)	1.31001 (15072808)	1.20514 (15072808)
3753973.1	1.67714 (15022008)	1.61214 (15022008)	1.48280 (15022008)	1.30635 (15072808)	1.21068 (15072808)
3753923.1	1.72968 (15022008)	1.56022 (15022008)	1.45947 (15072808)	1.24769 (14111008)	1.22789 (14111008)
3753873.1	1.65433 (15022008)	1.50135 (15072808)	1.36091 (14111008)	1.25573 (14111008)	1.21988 (14042108)
3753823.1	1.64754 (15072808)	1.53776 (14111008)	1.34855 (14111008)	1.32847 (14042108)	1.27347 (14042108)
3753773.1	1.65819 (15072808)	1.62915 (14042108)	1.61928 (14042108)	1.55189 (15081008)	1.52905 (15081008)
3753723.1	1.66473 (14042108)	1.77124 (15081008)	1.91070 (15081008)	1.85082 (15081008)	1.71069 (16101608)
3753673.1	1.89583 (15081008)	1.95896 (15081008)	2.01799 (16101608)	2.12389 (16101608)	2.10471 (16101608)
3753623.1	2.15092 (16101608)	2.19224 (16101608)	2.25207 (16101608)	2.29193 (16101608)	2.29515 (14100924)
3753573.1	2.75342 (16101608)	2.44723 (14100924)	2.52628 (14100924)	2.67456 (14100924)	2.79879 (14100924)
3753523.1	3.60929 (14100924)	3.36808 (14100924)	3.12642 (14100924)	3.02047 (14100924)	3.02857 (14100924)
3753473.1	4.49763 (14100924)	4.17797 (14100924)	3.62368 (14100924)	3.21265 (14100924)	2.97485 (14100924)
3753423.1	4.77801 (14100924)	4.50841 (15101808)	4.08097 (15101808)	3.75019 (15101808)	3.39380 (15101808)
3753373.1	5.69658 (15101808)	5.44570 (15101808)	4.97847 (15101808)	4.50305 (15101808)	3.98847 (14111208)
3753323.1	6.19756 (15101808)	5.73745 (15101808)	5.28174 (15101808)	4.66689 (14111208)	4.09654 (14111208)
3753273.1	5.81332 (15101808)	5.29728 (15101808)	4.83650 (16050908)	4.27614 (16050908)	3.82362 (16050908)
3753223.1	5.38464m(16070308)	4.79203m(16070308)	4.29163m(16070308)	3.80687m(16070308)	3.61164m(16070308)
3753173.1	5.66193m(16070308)	5.04235m(16070308)	4.55025m(16070308)	4.20789m(16070308)	3.98757m(16070308)
3753123.1	5.42675 (16011624)	4.93115m(16070308)	4.35536m(16070308)	4.13650m(16070308)	3.96540m(16070308)
3753073.1	5.25603 (16011624)	4.75154 (16011624)	4.24779 (16011624)	3.94273 (16011624)	3.62466 (16011624)
3753023.1	4.89959 (16121208)	4.46754 (16121208)	4.26152 (16011624)	3.93685 (16011624)	3.59245 (16011624)
3752973.1	4.66318 (16121208)	4.44386 (16121208)	4.13363 (16121208)	3.71924 (16121208)	3.34211 (16121208)
3752923.1	3.96232 (16121208)	3.94180 (16121208)	3.86871 (16121208)	3.57120 (16121208)	3.32884 (16121208)
3752873.1	3.90207 (16092208)	3.31650 (16121208)	3.37324 (16121208)	3.32186 (16121208)	3.21364 (16121208)
3752823.1	3.67963 (15051208)	2.94205 (16092208)	2.86290 (16092208)	2.89014 (16121208)	2.87743 (16121208)
3752773.1	3.53323 (15051208)	2.97195 (15051208)	2.67287 (15051208)	2.53955 (16092208)	2.45388 (16092208)
3752723.1	3.17383 (15051208)	2.84059 (15051208)	2.77220 (15051208)	2.51673 (15051208)	2.28430 (16092208)
3752673.1	3.01356 (15100424)	2.96999 (15051208)	3.03015 (15051208)	2.74158 (15051208)	2.46384 (15051208)

3752623.1 |	3.03458 (15100424)	2.79617 (15100424)	2.70162 (15051208)	2.74398 (15051208)	2.62938 (15051208)
3752573.1 |	2.88731 (15100424)	2.76221 (15100424)	2.44810 (15100424)	2.13064 (15051208)	2.15621 (15051208)
3752523.1 |	2.55083 (15100424)	2.70602 (15100424)	2.62415 (15100424)	2.29445 (15100424)	1.95779 (15051208)
3752473.1 |	2.14343 (15091024)	2.37004 (15100424)	2.51842 (15100424)	2.46216 (15100424)	2.16864 (15100424)
3752423.1 |	1.90139 (15091024)	1.98714 (15091024)	2.28285 (15100424)	2.38302 (15100424)	2.29606 (15100424)
3752373.1 |	1.74023 (16013024)	1.91087 (15091024)	1.96508 (15100424)	2.16410 (15100424)	2.23479 (15100424)
3752323.1 |	1.60644 (16013024)	1.54386 (15091024)	1.72348 (15091024)	1.81267 (15100424)	2.01381 (15100424)
3752273.1 |	1.14899 (16013024)	1.27402 (16013024)	1.41421 (15091024)	1.50753 (15091024)	1.71865 (15100424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001688 , L0001689 , L0001690 , L0001691 , L0001692 ,
L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 , L0001699 , L0001700 ,
L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 ,
L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
471760.95	3752929.03	6.01424	(16030508)	471633.36	3752929.03	6.73120	(16013024)
471511.91	3752927.81	7.31753	(15022208)	471378.18	3752924.12	7.12070	(16121108)
471275.13	3752927.81	7.26459	(15052308)	471448.11	3752870.15	6.07760	(16011524)
471385.54	3752872.60	5.14290	(16011924)	471324.20	3752870.15	5.77906	(16121108)
471277.58	3752876.28	5.79825	(15052308)	471162.26	3752926.58	6.24102	(16011524)
471026.09	3752922.90	5.84486	(16121308)	471233.42	3752873.83	5.35056	(15052308)
471104.60	3752868.92	4.88099	(14020624)	471000.32	3752872.60	4.81399	(16121308)
470962.29	3752909.40	5.40491	(16123108)	470866.60	3752908.18	5.84909	(16121308)
470788.09	3752908.18	5.52139	(16121308)				

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 75.70515	ON 16121108:	AT (471524.27, 3753223.10, 487.20, 487.20, 0.00)	GC	UCART1

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 50.29652	ON 16121108:	AT (471524.27, 3753273.10, 487.20, 487.20, 0.00)	GC UCART1

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

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

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1638 Informational Message(s)

A Total of 26304 Hours Were Processed

A Total of 698 Calm Hours Identified

A Total of 392 Missing Hours Identified (1.49 Percent)

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

```
  ********   WARNING MESSAGES   ********
ME W186     698      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     698      MEOPEN: ADJ_U* Option for Low Winds used in AERMET

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

Results Summary

C:\AERMOD\9309\CO\CO.isc

CO - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLA (m)
1-HR	1ST	75.70515	ug/m^3	471524.27	3753223.10	487.20	0.00
8-HR	1ST	50.29652	ug/m^3	471524.27	3753273.10	487.20	0.00

AERMOD Data – Oxides of Nitrogen (NO_X)

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.5.0
** Lakes Environmental Software Inc.
** Date: 12/3/2019
** File: C:\AERMOD\9309\AERMOD - High-Cube Warehouse - Fall 2019 Submittal\NOx\NOx.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\AERMOD\9309\NOx\NOx.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 24 ANNUAL
   POLLUTID NOX
   RUNORNOT RUN
   ERRORFIL NOx.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 Building A Truck Route
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 0.01543
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 13
** 471385.355, 3752971.460, 488.48, 3.63, 3.93
** 471387.127, 3753097.286, 490.16, 3.63, 3.93
** 471528.016, 3753100.830, 487.05, 3.63, 3.93
** 471560.802, 3753115.008, 487.00, 3.63, 3.93
** 471551.055, 3753419.825, 482.91, 3.63, 3.93
```

** 471516.497, 3753438.433, 481.11, 3.63, 3.93

** 471406.621, 3753434.889, 485.13, 3.63, 3.93

** 471395.988, 3753416.281, 483.76, 3.63, 3.93

** 471396.874, 3753393.242, 483.54, 3.63, 3.93

** 471388.013, 3753367.546, 482.36, 3.63, 3.93

** 471379.152, 3753334.760, 483.62, 3.63, 3.93

** 471379.152, 3753093.742, 490.28, 3.63, 3.93

** 471380.038, 3752970.574, 488.59, 3.63, 3.93

** ----------

LOCATION L0001351 VOLUME 471385.414 3752975.680 488.37

LOCATION L0001352 VOLUME 471385.533 3752984.119 488.08

LOCATION L0001353 VOLUME 471385.652 3752992.558 488.18

LOCATION L0001354 VOLUME 471385.771 3753000.997 488.44

LOCATION L0001355 VOLUME 471385.890 3753009.437 488.69

LOCATION L0001356 VOLUME 471386.009 3753017.876 488.93

LOCATION L0001357 VOLUME 471386.127 3753026.315 489.07

LOCATION L0001358 VOLUME 471386.246 3753034.754 489.22

LOCATION L0001359 VOLUME 471386.365 3753043.193 489.38

LOCATION L0001360 VOLUME 471386.484 3753051.632 489.60

LOCATION L0001361 VOLUME 471386.603 3753060.072 489.88

LOCATION L0001362 VOLUME 471386.722 3753068.511 490.16

LOCATION L0001363 VOLUME 471386.841 3753076.950 490.42

LOCATION L0001364 VOLUME 471386.960 3753085.389 490.30

LOCATION L0001365 VOLUME 471387.078 3753093.828 490.18

LOCATION L0001366 VOLUME 471392.107 3753097.411 490.08

LOCATION L0001367 VOLUME 471400.545 3753097.624 489.97

LOCATION L0001368 VOLUME 471408.982 3753097.836 489.69

LOCATION L0001369 VOLUME 471417.419 3753098.048 489.40

LOCATION L0001370 VOLUME 471425.857 3753098.260 489.12

LOCATION L0001371 VOLUME 471434.294 3753098.473 488.84

LOCATION L0001372 VOLUME 471442.731 3753098.685 488.56

LOCATION L0001373 VOLUME 471451.169 3753098.897 488.28

LOCATION L0001374 VOLUME 471459.606 3753099.109 488.00

LOCATION L0001375 VOLUME 471468.043 3753099.322 487.93

LOCATION L0001376 VOLUME 471476.481 3753099.534 487.87

LOCATION L0001377 VOLUME 471484.918 3753099.746 487.81

LOCATION L0001378 VOLUME 471493.355 3753099.958 487.68

LOCATION L0001379 VOLUME 471501.793 3753100.171 487.46

LOCATION L0001380 VOLUME 471510.230 3753100.383 487.25

LOCATION L0001381 VOLUME 471518.667 3753100.595 487.02

LOCATION L0001382 VOLUME 471527.105 3753100.807 487.00

LOCATION L0001383 VOLUME 471534.926 3753103.818 487.00

LOCATION L0001384 VOLUME 471542.673 3753107.168 487.01

LOCATION L0001385 VOLUME 471550.419 3753110.518 487.13

LOCATION L0001386 VOLUME 471558.166 3753113.868 487.24

LOCATION L0001387 VOLUME 471560.624 3753120.573 487.46

LOCATION L0001388 VOLUME 471560.354 3753129.009 487.75

LOCATION L0001389 VOLUME 471560.085 3753137.445 488.00

LOCATION L0001390 VOLUME 471559.815 3753145.880 488.00

LOCATION L0001391 VOLUME 471559.545 3753154.316 488.00

LOCATION L0001392	VOLUME	471559.275	3753162.752	488.00
LOCATION L0001393	VOLUME	471559.006	3753171.187	488.00
LOCATION L0001394	VOLUME	471558.736	3753179.623	488.00
LOCATION L0001395	VOLUME	471558.466	3753188.059	488.00
LOCATION L0001396	VOLUME	471558.196	3753196.494	488.00
LOCATION L0001397	VOLUME	471557.927	3753204.930	488.00
LOCATION L0001398	VOLUME	471557.657	3753213.366	488.00
LOCATION L0001399	VOLUME	471557.387	3753221.802	488.00
LOCATION L0001400	VOLUME	471557.117	3753230.237	488.00
LOCATION L0001401	VOLUME	471556.848	3753238.673	488.00
LOCATION L0001402	VOLUME	471556.578	3753247.109	488.00
LOCATION L0001403	VOLUME	471556.308	3753255.544	488.00
LOCATION L0001404	VOLUME	471556.038	3753263.980	488.00
LOCATION L0001405	VOLUME	471555.769	3753272.416	488.00
LOCATION L0001406	VOLUME	471555.499	3753280.851	488.00
LOCATION L0001407	VOLUME	471555.229	3753289.287	487.91
LOCATION L0001408	VOLUME	471554.959	3753297.723	487.63
LOCATION L0001409	VOLUME	471554.690	3753306.158	487.35
LOCATION L0001410	VOLUME	471554.420	3753314.594	487.07
LOCATION L0001411	VOLUME	471554.150	3753323.030	486.79
LOCATION L0001412	VOLUME	471553.880	3753331.466	486.51
LOCATION L0001413	VOLUME	471553.611	3753339.901	486.22
LOCATION L0001414	VOLUME	471553.341	3753348.337	485.84
LOCATION L0001415	VOLUME	471553.071	3753356.773	485.06
LOCATION L0001416	VOLUME	471552.801	3753365.208	484.28
LOCATION L0001417	VOLUME	471552.532	3753373.644	483.48
LOCATION L0001418	VOLUME	471552.262	3753382.080	483.16
LOCATION L0001419	VOLUME	471551.992	3753390.515	483.12
LOCATION L0001420	VOLUME	471551.722	3753398.951	483.09
LOCATION L0001421	VOLUME	471551.453	3753407.387	483.04
LOCATION L0001422	VOLUME	471551.183	3753415.822	482.75
LOCATION L0001423	VOLUME	471547.150	3753421.928	482.37
LOCATION L0001424	VOLUME	471539.719	3753425.929	481.91
LOCATION L0001425	VOLUME	471532.288	3753429.931	481.52
LOCATION L0001426	VOLUME	471524.856	3753433.932	481.19
LOCATION L0001427	VOLUME	471517.425	3753437.934	481.36
LOCATION L0001428	VOLUME	471509.115	3753438.195	482.74
LOCATION L0001429	VOLUME	471500.679	3753437.923	484.15
LOCATION L0001430	VOLUME	471492.244	3753437.651	485.55
LOCATION L0001431	VOLUME	471483.808	3753437.379	486.39
LOCATION L0001432	VOLUME	471475.373	3753437.107	486.95
LOCATION L0001433	VOLUME	471466.937	3753436.835	487.51
LOCATION L0001434	VOLUME	471458.501	3753436.562	487.99
LOCATION L0001435	VOLUME	471450.066	3753436.290	487.97
LOCATION L0001436	VOLUME	471441.630	3753436.018	487.95
LOCATION L0001437	VOLUME	471433.195	3753435.746	487.94
LOCATION L0001438	VOLUME	471424.759	3753435.474	487.45
LOCATION L0001439	VOLUME	471416.323	3753435.202	486.60
LOCATION L0001440	VOLUME	471407.888	3753434.930	485.76
LOCATION L0001441	VOLUME	471403.062	3753428.661	485.05

LOCATION L0001442	VOLUME	471398.875	3753421.333	484.43
LOCATION L0001443	VOLUME	471396.089	3753413.662	483.91
LOCATION L0001444	VOLUME	471396.413	3753405.228	483.64
LOCATION L0001445	VOLUME	471396.738	3753396.794	483.42
LOCATION L0001446	VOLUME	471395.282	3753388.624	483.06
LOCATION L0001447	VOLUME	471392.530	3753380.645	482.63
LOCATION L0001448	VOLUME	471389.779	3753372.666	482.43
LOCATION L0001449	VOLUME	471387.224	3753364.626	482.51
LOCATION L0001450	VOLUME	471385.022	3753356.479	482.68
LOCATION L0001451	VOLUME	471382.820	3753348.331	482.94
LOCATION L0001452	VOLUME	471380.618	3753340.183	483.80
LOCATION L0001453	VOLUME	471379.152	3753331.938	484.78
LOCATION L0001454	VOLUME	471379.152	3753323.498	485.81
LOCATION L0001455	VOLUME	471379.152	3753315.058	486.71
LOCATION L0001456	VOLUME	471379.152	3753306.618	487.09
LOCATION L0001457	VOLUME	471379.152	3753298.178	487.48
LOCATION L0001458	VOLUME	471379.152	3753289.738	487.86
LOCATION L0001459	VOLUME	471379.152	3753281.298	488.00
LOCATION L0001460	VOLUME	471379.152	3753272.858	488.00
LOCATION L0001461	VOLUME	471379.152	3753264.418	488.00
LOCATION L0001462	VOLUME	471379.152	3753255.978	488.00
LOCATION L0001463	VOLUME	471379.152	3753247.538	488.00
LOCATION L0001464	VOLUME	471379.152	3753239.098	488.00
LOCATION L0001465	VOLUME	471379.152	3753230.658	488.00
LOCATION L0001466	VOLUME	471379.152	3753222.218	488.05
LOCATION L0001467	VOLUME	471379.152	3753213.778	488.14
LOCATION L0001468	VOLUME	471379.152	3753205.338	488.23
LOCATION L0001469	VOLUME	471379.152	3753196.898	488.32
LOCATION L0001470	VOLUME	471379.152	3753188.458	488.69
LOCATION L0001471	VOLUME	471379.152	3753180.018	489.07
LOCATION L0001472	VOLUME	471379.152	3753171.578	489.46
LOCATION L0001473	VOLUME	471379.152	3753163.138	489.68
LOCATION L0001474	VOLUME	471379.152	3753154.698	489.68
LOCATION L0001475	VOLUME	471379.152	3753146.258	489.68
LOCATION L0001476	VOLUME	471379.152	3753137.818	489.68
LOCATION L0001477	VOLUME	471379.152	3753129.378	489.76
LOCATION L0001478	VOLUME	471379.152	3753120.938	489.85
LOCATION L0001479	VOLUME	471379.152	3753112.498	489.94
LOCATION L0001480	VOLUME	471379.152	3753104.058	490.06
LOCATION L0001481	VOLUME	471379.152	3753095.618	490.25
LOCATION L0001482	VOLUME	471379.199	3753087.178	490.44
LOCATION L0001483	VOLUME	471379.260	3753078.738	490.63
LOCATION L0001484	VOLUME	471379.321	3753070.299	490.46
LOCATION L0001485	VOLUME	471379.382	3753061.859	490.18
LOCATION L0001486	VOLUME	471379.442	3753053.419	489.90
LOCATION L0001487	VOLUME	471379.503	3753044.979	489.65
LOCATION L0001488	VOLUME	471379.564	3753036.540	489.55
LOCATION L0001489	VOLUME	471379.624	3753028.100	489.46
LOCATION L0001490	VOLUME	471379.685	3753019.660	489.36
LOCATION L0001491	VOLUME	471379.746	3753011.220	489.08

```
  LOCATION L0001492     VOLUME   471379.807 3753002.780 488.71
  LOCATION L0001493     VOLUME   471379.867 3752994.341 488.34
  LOCATION L0001494     VOLUME   471379.928 3752985.901 488.02
  LOCATION L0001495     VOLUME   471379.989 3752977.461 488.31
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Building B Truck Route
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 0.00782
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 4
** 470989.307, 3753186.230, 495.87, 3.63, 3.93
** 471232.042, 3753190.040, 488.71, 3.63, 3.93
** 471231.497, 3753182.964, 488.75, 3.63, 3.93
** 470990.396, 3753179.155, 496.67, 3.63, 3.93
** ----------------------------------------------------------------
  LOCATION L0001496     VOLUME   470993.527 3753186.296 495.41
  LOCATION L0001497     VOLUME   471001.966 3753186.428 494.85
  LOCATION L0001498     VOLUME   471010.404 3753186.561 494.33
  LOCATION L0001499     VOLUME   471018.843 3753186.693 494.23
  LOCATION L0001500     VOLUME   471027.282 3753186.826 494.13
  LOCATION L0001501     VOLUME   471035.721 3753186.958 494.04
  LOCATION L0001502     VOLUME   471044.160 3753187.091 493.74
  LOCATION L0001503     VOLUME   471052.599 3753187.223 493.27
  LOCATION L0001504     VOLUME   471061.038 3753187.356 492.79
  LOCATION L0001505     VOLUME   471069.477 3753187.488 492.31
  LOCATION L0001506     VOLUME   471077.916 3753187.620 492.02
  LOCATION L0001507     VOLUME   471086.355 3753187.753 491.74
  LOCATION L0001508     VOLUME   471094.794 3753187.885 491.45
  LOCATION L0001509     VOLUME   471103.233 3753188.018 491.16
  LOCATION L0001510     VOLUME   471111.672 3753188.150 490.88
  LOCATION L0001511     VOLUME   471120.111 3753188.283 490.59
  LOCATION L0001512     VOLUME   471128.550 3753188.415 490.31
  LOCATION L0001513     VOLUME   471136.989 3753188.548 490.02
  LOCATION L0001514     VOLUME   471145.428 3753188.680 489.74
  LOCATION L0001515     VOLUME   471153.867 3753188.813 489.45
  LOCATION L0001516     VOLUME   471162.306 3753188.945 489.26
  LOCATION L0001517     VOLUME   471170.745 3753189.077 489.25
  LOCATION L0001518     VOLUME   471179.184 3753189.210 489.25
  LOCATION L0001519     VOLUME   471187.623 3753189.342 489.24
  LOCATION L0001520     VOLUME   471196.062 3753189.475 489.19
  LOCATION L0001521     VOLUME   471204.501 3753189.607 489.12
  LOCATION L0001522     VOLUME   471212.940 3753189.740 489.05
  LOCATION L0001523     VOLUME   471221.378 3753189.872 488.94
  LOCATION L0001524     VOLUME   471229.817 3753190.005 488.66
```

```
  LOCATION L0001525     VOLUME   471231.565 3753183.842 488.60
  LOCATION L0001526     VOLUME   471223.939 3753182.845 488.85
  LOCATION L0001527     VOLUME   471215.500 3753182.711 489.06
  LOCATION L0001528     VOLUME   471207.061 3753182.578 489.20
  LOCATION L0001529     VOLUME   471198.622 3753182.445 489.33
  LOCATION L0001530     VOLUME   471190.183 3753182.311 489.47
  LOCATION L0001531     VOLUME   471181.744 3753182.178 489.48
  LOCATION L0001532     VOLUME   471173.305 3753182.045 489.49
  LOCATION L0001533     VOLUME   471164.866 3753181.911 489.49
  LOCATION L0001534     VOLUME   471156.427 3753181.778 489.60
  LOCATION L0001535     VOLUME   471147.988 3753181.645 489.89
  LOCATION L0001536     VOLUME   471139.550 3753181.511 490.17
  LOCATION L0001537     VOLUME   471131.111 3753181.378 490.46
  LOCATION L0001538     VOLUME   471122.672 3753181.245 490.74
  LOCATION L0001539     VOLUME   471114.233 3753181.111 491.03
  LOCATION L0001540     VOLUME   471105.794 3753180.978 491.31
  LOCATION L0001541     VOLUME   471097.355 3753180.845 491.60
  LOCATION L0001542     VOLUME   471088.916 3753180.711 491.89
  LOCATION L0001543     VOLUME   471080.477 3753180.578 492.17
  LOCATION L0001544     VOLUME   471072.038 3753180.445 492.46
  LOCATION L0001545     VOLUME   471063.599 3753180.311 492.83
  LOCATION L0001546     VOLUME   471055.160 3753180.178 493.24
  LOCATION L0001547     VOLUME   471046.721 3753180.045 493.65
  LOCATION L0001548     VOLUME   471038.282 3753179.911 494.02
  LOCATION L0001549     VOLUME   471029.843 3753179.778 494.18
  LOCATION L0001550     VOLUME   471021.404 3753179.645 494.34
  LOCATION L0001551     VOLUME   471012.965 3753179.511 494.51
  LOCATION L0001552     VOLUME   471004.526 3753179.378 494.91
  LOCATION L0001553     VOLUME   470996.087 3753179.244 495.48
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Building A West Docks
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 0.019159
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 2
** 471402.365, 3753341.756, 483.32, 3.63, 3.93
** 471402.365, 3753167.544, 489.01, 3.63, 3.93
** ----------------------------------------------------------------
  LOCATION L0001554     VOLUME   471402.365 3753337.536 484.72
  LOCATION L0001555     VOLUME   471402.365 3753329.096 485.97
  LOCATION L0001556     VOLUME   471402.365 3753320.656 487.22
  LOCATION L0001557     VOLUME   471402.365 3753312.216 487.84
  LOCATION L0001558     VOLUME   471402.365 3753303.776 487.89
  LOCATION L0001559     VOLUME   471402.365 3753295.336 487.95
```

```
  LOCATION L0001560     VOLUME   471402.365 3753286.896 488.00
  LOCATION L0001561     VOLUME   471402.365 3753278.456 488.00
  LOCATION L0001562     VOLUME   471402.365 3753270.016 488.00
  LOCATION L0001563     VOLUME   471402.365 3753261.576 488.00
  LOCATION L0001564     VOLUME   471402.365 3753253.136 488.01
  LOCATION L0001565     VOLUME   471402.365 3753244.696 488.04
  LOCATION L0001566     VOLUME   471402.365 3753236.256 488.06
  LOCATION L0001567     VOLUME   471402.365 3753227.816 488.09
  LOCATION L0001568     VOLUME   471402.365 3753219.376 488.31
  LOCATION L0001569     VOLUME   471402.365 3753210.936 488.57
  LOCATION L0001570     VOLUME   471402.365 3753202.496 488.82
  LOCATION L0001571     VOLUME   471402.365 3753194.056 489.00
  LOCATION L0001572     VOLUME   471402.365 3753185.616 489.00
  LOCATION L0001573     VOLUME   471402.365 3753177.176 489.00
  LOCATION L0001574     VOLUME   471402.365 3753168.736 489.00
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Building A East Docks
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 0.025054
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 2
** 471534.725, 3753397.771, 482.28, 3.63, 3.93
** 471537.286, 3753169.162, 487.63, 3.63, 3.93
** ----------------------------------------------------------------
  LOCATION L0001575     VOLUME   471534.772 3753393.552 482.44
  LOCATION L0001576     VOLUME   471534.867 3753385.112 482.72
  LOCATION L0001577     VOLUME   471534.961 3753376.673 483.00
  LOCATION L0001578     VOLUME   471535.056 3753368.233 483.84
  LOCATION L0001579     VOLUME   471535.151 3753359.794 484.68
  LOCATION L0001580     VOLUME   471535.245 3753351.354 485.53
  LOCATION L0001581     VOLUME   471535.340 3753342.915 486.07
  LOCATION L0001582     VOLUME   471535.434 3753334.475 486.21
  LOCATION L0001583     VOLUME   471535.529 3753326.036 486.37
  LOCATION L0001584     VOLUME   471535.623 3753317.596 486.52
  LOCATION L0001585     VOLUME   471535.718 3753309.157 486.79
  LOCATION L0001586     VOLUME   471535.812 3753300.717 487.07
  LOCATION L0001587     VOLUME   471535.907 3753292.278 487.36
  LOCATION L0001588     VOLUME   471536.002 3753283.838 487.55
  LOCATION L0001589     VOLUME   471536.096 3753275.399 487.55
  LOCATION L0001590     VOLUME   471536.191 3753266.960 487.55
  LOCATION L0001591     VOLUME   471536.285 3753258.520 487.56
  LOCATION L0001592     VOLUME   471536.380 3753250.081 487.56
  LOCATION L0001593     VOLUME   471536.474 3753241.641 487.56
  LOCATION L0001594     VOLUME   471536.569 3753233.202 487.57
```

```
   LOCATION L0001595     VOLUME   471536.664 3753224.762 487.57
   LOCATION L0001596     VOLUME   471536.758 3753216.323 487.57
   LOCATION L0001597     VOLUME   471536.853 3753207.883 487.58
   LOCATION L0001598     VOLUME   471536.947 3753199.444 487.58
   LOCATION L0001599     VOLUME   471537.042 3753191.004 487.58
   LOCATION L0001600     VOLUME   471537.136 3753182.565 487.59
   LOCATION L0001601     VOLUME   471537.231 3753174.125 487.59
** End of LINE VOLUME Source ID = SLINE4
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Building B Docks
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 0.017194
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 2
** 471064.720, 3753208.269, 492.28, 3.63, 3.93
** 471227.536, 3753209.449, 488.78, 3.63, 3.93
** ----------------------------------------------------------------
   LOCATION L0001602     VOLUME   471068.940 3753208.299 491.64
   LOCATION L0001603     VOLUME   471077.380 3753208.361 491.35
   LOCATION L0001604     VOLUME   471085.820 3753208.422 491.06
   LOCATION L0001605     VOLUME   471094.259 3753208.483 490.78
   LOCATION L0001606     VOLUME   471102.699 3753208.544 490.46
   LOCATION L0001607     VOLUME   471111.139 3753208.605 490.06
   LOCATION L0001608     VOLUME   471119.579 3753208.666 489.66
   LOCATION L0001609     VOLUME   471128.019 3753208.727 489.27
   LOCATION L0001610     VOLUME   471136.458 3753208.789 489.05
   LOCATION L0001611     VOLUME   471144.898 3753208.850 488.88
   LOCATION L0001612     VOLUME   471153.338 3753208.911 488.71
   LOCATION L0001613     VOLUME   471161.778 3753208.972 488.59
   LOCATION L0001614     VOLUME   471170.217 3753209.033 488.59
   LOCATION L0001615     VOLUME   471178.657 3753209.094 488.58
   LOCATION L0001616     VOLUME   471187.097 3753209.156 488.58
   LOCATION L0001617     VOLUME   471195.537 3753209.217 488.58
   LOCATION L0001618     VOLUME   471203.977 3753209.278 488.58
   LOCATION L0001619     VOLUME   471212.416 3753209.339 488.58
   LOCATION L0001620     VOLUME   471220.856 3753209.400 488.55
** End of LINE VOLUME Source ID = SLINE5
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0001351     0.0001064138     3.63     3.93     3.38
   SRCPARAM L0001352     0.0001064138     3.63     3.93     3.38
   SRCPARAM L0001353     0.0001064138     3.63     3.93     3.38
   SRCPARAM L0001354     0.0001064138     3.63     3.93     3.38
   SRCPARAM L0001355     0.0001064138     3.63     3.93     3.38
   SRCPARAM L0001356     0.0001064138     3.63     3.93     3.38
```

SRCPARAM L0001357	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001358	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001359	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001360	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001361	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001362	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001363	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001364	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001365	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001366	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001367	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001368	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001369	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001370	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001371	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001372	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001373	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001374	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001375	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001376	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001377	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001378	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001379	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001380	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001381	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001382	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001383	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001384	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001385	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001386	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001387	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001388	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001389	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001390	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001391	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001392	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001393	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001394	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001395	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001396	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001397	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001398	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001399	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001400	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001401	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001402	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001403	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001404	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001405	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001406	0.0001064138	3.63	3.93	3.38

SRCPARAM L0001407	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001408	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001409	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001410	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001411	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001412	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001413	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001414	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001415	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001416	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001417	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001418	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001419	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001420	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001421	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001422	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001423	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001424	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001425	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001426	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001427	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001428	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001429	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001430	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001431	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001432	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001433	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001434	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001435	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001436	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001437	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001438	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001439	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001440	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001441	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001442	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001443	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001444	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001445	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001446	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001447	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001448	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001449	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001450	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001451	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001452	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001453	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001454	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001455	0.0001064138	3.63	3.93	3.38
SRCPARAM L0001456	0.0001064138	3.63	3.93	3.38

```
   SRCPARAM L0001457    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001458    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001459    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001460    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001461    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001462    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001463    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001464    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001465    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001466    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001467    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001468    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001469    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001470    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001471    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001472    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001473    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001474    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001475    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001476    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001477    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001478    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001479    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001480    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001481    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001482    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001483    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001484    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001485    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001486    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001487    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001488    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001489    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001490    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001491    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001492    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001493    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001494    0.0001064138    3.63    3.93    3.38
   SRCPARAM L0001495    0.0001064138    3.63    3.93    3.38
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0001496    0.0001348276    3.63    3.93    3.38
   SRCPARAM L0001497    0.0001348276    3.63    3.93    3.38
   SRCPARAM L0001498    0.0001348276    3.63    3.93    3.38
   SRCPARAM L0001499    0.0001348276    3.63    3.93    3.38
   SRCPARAM L0001500    0.0001348276    3.63    3.93    3.38
   SRCPARAM L0001501    0.0001348276    3.63    3.93    3.38
   SRCPARAM L0001502    0.0001348276    3.63    3.93    3.38
   SRCPARAM L0001503    0.0001348276    3.63    3.93    3.38
   SRCPARAM L0001504    0.0001348276    3.63    3.93    3.38
```

SRCPARAM L0001505	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001506	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001507	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001508	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001509	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001510	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001511	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001512	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001513	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001514	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001515	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001516	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001517	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001518	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001519	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001520	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001521	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001522	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001523	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001524	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001525	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001526	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001527	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001528	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001529	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001530	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001531	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001532	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001533	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001534	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001535	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001536	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001537	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001538	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001539	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001540	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001541	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001542	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001543	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001544	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001545	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001546	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001547	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001548	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001549	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001550	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001551	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001552	0.0001348276	3.63	3.93	3.38
SRCPARAM L0001553	0.0001348276	3.63	3.93	3.38

** ----------

** LINE VOLUME Source ID = SLINE3

```
SRCPARAM L0001554    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001555    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001556    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001557    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001558    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001559    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001560    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001561    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001562    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001563    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001564    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001565    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001566    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001567    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001568    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001569    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001570    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001571    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001572    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001573    0.0009123333    3.63    3.93    3.38
SRCPARAM L0001574    0.0009123333    3.63    3.93    3.38
```

** ----------

** LINE VOLUME Source ID = SLINE4

```
SRCPARAM L0001575    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001576    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001577    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001578    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001579    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001580    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001581    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001582    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001583    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001584    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001585    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001586    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001587    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001588    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001589    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001590    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001591    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001592    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001593    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001594    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001595    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001596    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001597    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001598    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001599    0.0009279259    3.63    3.93    3.38
SRCPARAM L0001600    0.0009279259    3.63    3.93    3.38
```

```
  SRCPARAM L0001601    0.0009279259    3.63    3.93    3.38
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
  SRCPARAM L0001602    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001603    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001604    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001605    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001606    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001607    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001608    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001609    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001610    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001611    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001612    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001613    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001614    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001615    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001616    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001617    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001618    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001619    0.0009049474    3.63    3.93    3.38
  SRCPARAM L0001620    0.0009049474    3.63    3.93    3.38
** ----------------------------------------------------------------
  SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
  INCLUDED NOx.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
  SURFFILE N:\AIR_GHG_NOISE_Technical\001_AIR\Meterological\RiversideAirportADJU\KRAL_V9_ADJU\KRAL_v9.SFC
  PROFFILE N:\AIR_GHG_NOISE_Technical\001_AIR\Meterological\RiversideAirportADJU\KRAL_V9_ADJU\KRAL_v9.PFL
  SURFDATA 3171 2012
  UAIRDATA 3190 2012
  PROFBASE 249.0 METERS
  STARTEND 2014 1 1 1 2016 12 31 24
ME FINISHED
**
****************************************
```

```
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
  RECTABLE 24 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST NOX.AD\01H1GALL.PLT 31
  PLOTFILE 24 ALL 1ST NOX.AD\24H1GALL.PLT 32
  PLOTFILE ANNUAL ALL NOX.AD\AN00GALL.PLT 33
  SUMMFILE NOx.sum
OU FINISHED


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

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

A Total of         0 Fatal Error Message(s)
A Total of         2 Warning Message(s)
A Total of         0 Informational Message(s)


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


  ********   WARNING MESSAGES   ********
ME W186     698      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     698      MEOPEN: ADJ_U* Option for Low Winds used in AERMET

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

*** AERMOD - VERSION 16216r ***   *** C:\AERMOD\9309\NOx\NOx.isc                          ***       12/03/19
*** AERMET - VERSION  16216 ***   ***                                                 ***       09:42:33
                                                                                    PAGE   1
*** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

**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:

ADJ_U* - Use ADJ_U* BETA option for SBL in AERMET

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: NOX

**Model Calculates 2 Short Term Average(s) of: 1-HR 24-HR
and Calculates ANNUAL Averages

**This Run Includes: 270 Source(s); 1 Source Group(s); and 1617 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 270 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)

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

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 249.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0

Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07

Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.8 MB of RAM.

**Detailed Error/Message File: NOx.err

**File for Summary of Results: NOx.sum

*** AERMOD - VERSION 16216r *** *** C:\AERMOD\9309\NOx\NOx.isc *** 12/03/19

*** AERMET - VERSION 16216 *** *** *** 09:42:33

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001351	0	0.10641E-03	471385.4	3752975.7	488.4	3.63	3.93	3.38	NO	
L0001352	0	0.10641E-03	471385.5	3752984.1	488.1	3.63	3.93	3.38	NO	
L0001353	0	0.10641E-03	471385.7	3752992.6	488.2	3.63	3.93	3.38	NO	
L0001354	0	0.10641E-03	471385.8	3753001.0	488.4	3.63	3.93	3.38	NO	
L0001355	0	0.10641E-03	471385.9	3753009.4	488.7	3.63	3.93	3.38	NO	
L0001356	0	0.10641E-03	471386.0	3753017.9	488.9	3.63	3.93	3.38	NO	
L0001357	0	0.10641E-03	471386.1	3753026.3	489.1	3.63	3.93	3.38	NO	
L0001358	0	0.10641E-03	471386.2	3753034.8	489.2	3.63	3.93	3.38	NO	
L0001359	0	0.10641E-03	471386.4	3753043.2	489.4	3.63	3.93	3.38	NO	
L0001360	0	0.10641E-03	471386.5	3753051.6	489.6	3.63	3.93	3.38	NO	
L0001361	0	0.10641E-03	471386.6	3753060.1	489.9	3.63	3.93	3.38	NO	
L0001362	0	0.10641E-03	471386.7	3753068.5	490.2	3.63	3.93	3.38	NO	
L0001363	0	0.10641E-03	471386.8	3753076.9	490.4	3.63	3.93	3.38	NO	
L0001364	0	0.10641E-03	471387.0	3753085.4	490.3	3.63	3.93	3.38	NO	
L0001365	0	0.10641E-03	471387.1	3753093.8	490.2	3.63	3.93	3.38	NO	
L0001366	0	0.10641E-03	471392.1	3753097.4	490.1	3.63	3.93	3.38	NO	
L0001367	0	0.10641E-03	471400.5	3753097.6	490.0	3.63	3.93	3.38	NO	
L0001368	0	0.10641E-03	471409.0	3753097.8	489.7	3.63	3.93	3.38	NO	
L0001369	0	0.10641E-03	471417.4	3753098.0	489.4	3.63	3.93	3.38	NO	
L0001370	0	0.10641E-03	471425.9	3753098.3	489.1	3.63	3.93	3.38	NO	
L0001371	0	0.10641E-03	471434.3	3753098.5	488.8	3.63	3.93	3.38	NO	
L0001372	0	0.10641E-03	471442.7	3753098.7	488.6	3.63	3.93	3.38	NO	
L0001373	0	0.10641E-03	471451.2	3753098.9	488.3	3.63	3.93	3.38	NO	
L0001374	0	0.10641E-03	471459.6	3753099.1	488.0	3.63	3.93	3.38	NO	
L0001375	0	0.10641E-03	471468.0	3753099.3	487.9	3.63	3.93	3.38	NO	
L0001376	0	0.10641E-03	471476.5	3753099.5	487.9	3.63	3.93	3.38	NO	
L0001377	0	0.10641E-03	471484.9	3753099.7	487.8	3.63	3.93	3.38	NO	
L0001378	0	0.10641E-03	471493.4	3753100.0	487.7	3.63	3.93	3.38	NO	
L0001379	0	0.10641E-03	471501.8	3753100.2	487.5	3.63	3.93	3.38	NO	
L0001380	0	0.10641E-03	471510.2	3753100.4	487.2	3.63	3.93	3.38	NO	

L0001381	0	0.10641E-03	471518.7	3753100.6	487.0	3.63	3.93	3.38	NO
L0001382	0	0.10641E-03	471527.1	3753100.8	487.0	3.63	3.93	3.38	NO
L0001383	0	0.10641E-03	471534.9	3753103.8	487.0	3.63	3.93	3.38	NO
L0001384	0	0.10641E-03	471542.7	3753107.2	487.0	3.63	3.93	3.38	NO
L0001385	0	0.10641E-03	471550.4	3753110.5	487.1	3.63	3.93	3.38	NO
L0001386	0	0.10641E-03	471558.2	3753113.9	487.2	3.63	3.93	3.38	NO
L0001387	0	0.10641E-03	471560.6	3753120.6	487.5	3.63	3.93	3.38	NO
L0001388	0	0.10641E-03	471560.4	3753129.0	487.8	3.63	3.93	3.38	NO
L0001389	0	0.10641E-03	471560.1	3753137.4	488.0	3.63	3.93	3.38	NO
L0001390	0	0.10641E-03	471559.8	3753145.9	488.0	3.63	3.93	3.38	NO

*** 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
L0001391	0	0.10641E-03	471559.5	3753154.3	488.0	3.63	3.93	3.38	NO	
L0001392	0	0.10641E-03	471559.3	3753162.8	488.0	3.63	3.93	3.38	NO	
L0001393	0	0.10641E-03	471559.0	3753171.2	488.0	3.63	3.93	3.38	NO	
L0001394	0	0.10641E-03	471558.7	3753179.6	488.0	3.63	3.93	3.38	NO	
L0001395	0	0.10641E-03	471558.5	3753188.1	488.0	3.63	3.93	3.38	NO	
L0001396	0	0.10641E-03	471558.2	3753196.5	488.0	3.63	3.93	3.38	NO	
L0001397	0	0.10641E-03	471557.9	3753204.9	488.0	3.63	3.93	3.38	NO	
L0001398	0	0.10641E-03	471557.7	3753213.4	488.0	3.63	3.93	3.38	NO	
L0001399	0	0.10641E-03	471557.4	3753221.8	488.0	3.63	3.93	3.38	NO	
L0001400	0	0.10641E-03	471557.1	3753230.2	488.0	3.63	3.93	3.38	NO	
L0001401	0	0.10641E-03	471556.8	3753238.7	488.0	3.63	3.93	3.38	NO	
L0001402	0	0.10641E-03	471556.6	3753247.1	488.0	3.63	3.93	3.38	NO	
L0001403	0	0.10641E-03	471556.3	3753255.5	488.0	3.63	3.93	3.38	NO	
L0001404	0	0.10641E-03	471556.0	3753264.0	488.0	3.63	3.93	3.38	NO	
L0001405	0	0.10641E-03	471555.8	3753272.4	488.0	3.63	3.93	3.38	NO	
L0001406	0	0.10641E-03	471555.5	3753280.9	488.0	3.63	3.93	3.38	NO	
L0001407	0	0.10641E-03	471555.2	3753289.3	487.9	3.63	3.93	3.38	NO	
L0001408	0	0.10641E-03	471555.0	3753297.7	487.6	3.63	3.93	3.38	NO	
L0001409	0	0.10641E-03	471554.7	3753306.2	487.4	3.63	3.93	3.38	NO	
L0001410	0	0.10641E-03	471554.4	3753314.6	487.1	3.63	3.93	3.38	NO	
L0001411	0	0.10641E-03	471554.1	3753323.0	486.8	3.63	3.93	3.38	NO	
L0001412	0	0.10641E-03	471553.9	3753331.5	486.5	3.63	3.93	3.38	NO	
L0001413	0	0.10641E-03	471553.6	3753339.9	486.2	3.63	3.93	3.38	NO	
L0001414	0	0.10641E-03	471553.3	3753348.3	485.8	3.63	3.93	3.38	NO	
L0001415	0	0.10641E-03	471553.1	3753356.8	485.1	3.63	3.93	3.38	NO	
L0001416	0	0.10641E-03	471552.8	3753365.2	484.3	3.63	3.93	3.38	NO	
L0001417	0	0.10641E-03	471552.5	3753373.6	483.5	3.63	3.93	3.38	NO	

L0001418	0	0.10641E-03	471552.3	3753382.1	483.2	3.63	3.93	3.38	NO
L0001419	0	0.10641E-03	471552.0	3753390.5	483.1	3.63	3.93	3.38	NO
L0001420	0	0.10641E-03	471551.7	3753399.0	483.1	3.63	3.93	3.38	NO
L0001421	0	0.10641E-03	471551.5	3753407.4	483.0	3.63	3.93	3.38	NO
L0001422	0	0.10641E-03	471551.2	3753415.8	482.8	3.63	3.93	3.38	NO
L0001423	0	0.10641E-03	471547.1	3753421.9	482.4	3.63	3.93	3.38	NO
L0001424	0	0.10641E-03	471539.7	3753425.9	481.9	3.63	3.93	3.38	NO
L0001425	0	0.10641E-03	471532.3	3753429.9	481.5	3.63	3.93	3.38	NO
L0001426	0	0.10641E-03	471524.9	3753433.9	481.2	3.63	3.93	3.38	NO
L0001427	0	0.10641E-03	471517.4	3753437.9	481.4	3.63	3.93	3.38	NO
L0001428	0	0.10641E-03	471509.1	3753438.2	482.7	3.63	3.93	3.38	NO
L0001429	0	0.10641E-03	471500.7	3753437.9	484.2	3.63	3.93	3.38	NO
L0001430	0	0.10641E-03	471492.2	3753437.7	485.6	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001431	0	0.10641E-03	471483.8	3753437.4	486.4	3.63	3.93	3.38	NO	
L0001432	0	0.10641E-03	471475.4	3753437.1	486.9	3.63	3.93	3.38	NO	
L0001433	0	0.10641E-03	471466.9	3753436.8	487.5	3.63	3.93	3.38	NO	
L0001434	0	0.10641E-03	471458.5	3753436.6	488.0	3.63	3.93	3.38	NO	
L0001435	0	0.10641E-03	471450.1	3753436.3	488.0	3.63	3.93	3.38	NO	
L0001436	0	0.10641E-03	471441.6	3753436.0	487.9	3.63	3.93	3.38	NO	
L0001437	0	0.10641E-03	471433.2	3753435.7	487.9	3.63	3.93	3.38	NO	
L0001438	0	0.10641E-03	471424.8	3753435.5	487.4	3.63	3.93	3.38	NO	
L0001439	0	0.10641E-03	471416.3	3753435.2	486.6	3.63	3.93	3.38	NO	
L0001440	0	0.10641E-03	471407.9	3753434.9	485.8	3.63	3.93	3.38	NO	
L0001441	0	0.10641E-03	471403.1	3753428.7	485.1	3.63	3.93	3.38	NO	
L0001442	0	0.10641E-03	471398.9	3753421.3	484.4	3.63	3.93	3.38	NO	
L0001443	0	0.10641E-03	471396.1	3753413.7	483.9	3.63	3.93	3.38	NO	
L0001444	0	0.10641E-03	471396.4	3753405.2	483.6	3.63	3.93	3.38	NO	
L0001445	0	0.10641E-03	471396.7	3753396.8	483.4	3.63	3.93	3.38	NO	
L0001446	0	0.10641E-03	471395.3	3753388.6	483.1	3.63	3.93	3.38	NO	
L0001447	0	0.10641E-03	471392.5	3753380.6	482.6	3.63	3.93	3.38	NO	
L0001448	0	0.10641E-03	471389.8	3753372.7	482.4	3.63	3.93	3.38	NO	
L0001449	0	0.10641E-03	471387.2	3753364.6	482.5	3.63	3.93	3.38	NO	
L0001450	0	0.10641E-03	471385.0	3753356.5	482.7	3.63	3.93	3.38	NO	
L0001451	0	0.10641E-03	471382.8	3753348.3	482.9	3.63	3.93	3.38	NO	
L0001452	0	0.10641E-03	471380.6	3753340.2	483.8	3.63	3.93	3.38	NO	
L0001453	0	0.10641E-03	471379.2	3753331.9	484.8	3.63	3.93	3.38	NO	
L0001454	0	0.10641E-03	471379.2	3753323.5	485.8	3.63	3.93	3.38	NO	

L0001455	0	0.10641E-03	471379.2	3753315.1	486.7	3.63	3.93	3.38	NO
L0001456	0	0.10641E-03	471379.2	3753306.6	487.1	3.63	3.93	3.38	NO
L0001457	0	0.10641E-03	471379.2	3753298.2	487.5	3.63	3.93	3.38	NO
L0001458	0	0.10641E-03	471379.2	3753289.7	487.9	3.63	3.93	3.38	NO
L0001459	0	0.10641E-03	471379.2	3753281.3	488.0	3.63	3.93	3.38	NO
L0001460	0	0.10641E-03	471379.2	3753272.9	488.0	3.63	3.93	3.38	NO
L0001461	0	0.10641E-03	471379.2	3753264.4	488.0	3.63	3.93	3.38	NO
L0001462	0	0.10641E-03	471379.2	3753256.0	488.0	3.63	3.93	3.38	NO
L0001463	0	0.10641E-03	471379.2	3753247.5	488.0	3.63	3.93	3.38	NO
L0001464	0	0.10641E-03	471379.2	3753239.1	488.0	3.63	3.93	3.38	NO
L0001465	0	0.10641E-03	471379.2	3753230.7	488.0	3.63	3.93	3.38	NO
L0001466	0	0.10641E-03	471379.2	3753222.2	488.1	3.63	3.93	3.38	NO
L0001467	0	0.10641E-03	471379.2	3753213.8	488.1	3.63	3.93	3.38	NO
L0001468	0	0.10641E-03	471379.2	3753205.3	488.2	3.63	3.93	3.38	NO
L0001469	0	0.10641E-03	471379.2	3753196.9	488.3	3.63	3.93	3.38	NO
L0001470	0	0.10641E-03	471379.2	3753188.5	488.7	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001471	0	0.10641E-03	471379.2	3753180.0	489.1	3.63	3.93	3.38	NO	
L0001472	0	0.10641E-03	471379.2	3753171.6	489.5	3.63	3.93	3.38	NO	
L0001473	0	0.10641E-03	471379.2	3753163.1	489.7	3.63	3.93	3.38	NO	
L0001474	0	0.10641E-03	471379.2	3753154.7	489.7	3.63	3.93	3.38	NO	
L0001475	0	0.10641E-03	471379.2	3753146.3	489.7	3.63	3.93	3.38	NO	
L0001476	0	0.10641E-03	471379.2	3753137.8	489.7	3.63	3.93	3.38	NO	
L0001477	0	0.10641E-03	471379.2	3753129.4	489.8	3.63	3.93	3.38	NO	
L0001478	0	0.10641E-03	471379.2	3753120.9	489.9	3.63	3.93	3.38	NO	
L0001479	0	0.10641E-03	471379.2	3753112.5	489.9	3.63	3.93	3.38	NO	
L0001480	0	0.10641E-03	471379.2	3753104.1	490.1	3.63	3.93	3.38	NO	
L0001481	0	0.10641E-03	471379.2	3753095.6	490.2	3.63	3.93	3.38	NO	
L0001482	0	0.10641E-03	471379.2	3753087.2	490.4	3.63	3.93	3.38	NO	
L0001483	0	0.10641E-03	471379.3	3753078.7	490.6	3.63	3.93	3.38	NO	
L0001484	0	0.10641E-03	471379.3	3753070.3	490.5	3.63	3.93	3.38	NO	
L0001485	0	0.10641E-03	471379.4	3753061.9	490.2	3.63	3.93	3.38	NO	
L0001486	0	0.10641E-03	471379.4	3753053.4	489.9	3.63	3.93	3.38	NO	
L0001487	0	0.10641E-03	471379.5	3753045.0	489.7	3.63	3.93	3.38	NO	
L0001488	0	0.10641E-03	471379.6	3753036.5	489.6	3.63	3.93	3.38	NO	
L0001489	0	0.10641E-03	471379.6	3753028.1	489.5	3.63	3.93	3.38	NO	
L0001490	0	0.10641E-03	471379.7	3753019.7	489.4	3.63	3.93	3.38	NO	
L0001491	0	0.10641E-03	471379.7	3753011.2	489.1	3.63	3.93	3.38	NO	

L0001492	0	0.10641E-03	471379.8	3753002.8	488.7	3.63	3.93	3.38	NO
L0001493	0	0.10641E-03	471379.9	3752994.3	488.3	3.63	3.93	3.38	NO
L0001494	0	0.10641E-03	471379.9	3752985.9	488.0	3.63	3.93	3.38	NO
L0001495	0	0.10641E-03	471380.0	3752977.5	488.3	3.63	3.93	3.38	NO
L0001496	0	0.13483E-03	470993.5	3753186.3	495.4	3.63	3.93	3.38	NO
L0001497	0	0.13483E-03	471002.0	3753186.4	494.9	3.63	3.93	3.38	NO
L0001498	0	0.13483E-03	471010.4	3753186.6	494.3	3.63	3.93	3.38	NO
L0001499	0	0.13483E-03	471018.8	3753186.7	494.2	3.63	3.93	3.38	NO
L0001500	0	0.13483E-03	471027.3	3753186.8	494.1	3.63	3.93	3.38	NO
L0001501	0	0.13483E-03	471035.7	3753187.0	494.0	3.63	3.93	3.38	NO
L0001502	0	0.13483E-03	471044.2	3753187.1	493.7	3.63	3.93	3.38	NO
L0001503	0	0.13483E-03	471052.6	3753187.2	493.3	3.63	3.93	3.38	NO
L0001504	0	0.13483E-03	471061.0	3753187.4	492.8	3.63	3.93	3.38	NO
L0001505	0	0.13483E-03	471069.5	3753187.5	492.3	3.63	3.93	3.38	NO
L0001506	0	0.13483E-03	471077.9	3753187.6	492.0	3.63	3.93	3.38	NO
L0001507	0	0.13483E-03	471086.4	3753187.8	491.7	3.63	3.93	3.38	NO
L0001508	0	0.13483E-03	471094.8	3753187.9	491.4	3.63	3.93	3.38	NO
L0001509	0	0.13483E-03	471103.2	3753188.0	491.2	3.63	3.93	3.38	NO
L0001510	0	0.13483E-03	471111.7	3753188.1	490.9	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001511	0	0.13483E-03	471120.1	3753188.3	490.6	3.63	3.93	3.38	NO	
L0001512	0	0.13483E-03	471128.5	3753188.4	490.3	3.63	3.93	3.38	NO	
L0001513	0	0.13483E-03	471137.0	3753188.5	490.0	3.63	3.93	3.38	NO	
L0001514	0	0.13483E-03	471145.4	3753188.7	489.7	3.63	3.93	3.38	NO	
L0001515	0	0.13483E-03	471153.9	3753188.8	489.4	3.63	3.93	3.38	NO	
L0001516	0	0.13483E-03	471162.3	3753188.9	489.3	3.63	3.93	3.38	NO	
L0001517	0	0.13483E-03	471170.7	3753189.1	489.2	3.63	3.93	3.38	NO	
L0001518	0	0.13483E-03	471179.2	3753189.2	489.2	3.63	3.93	3.38	NO	
L0001519	0	0.13483E-03	471187.6	3753189.3	489.2	3.63	3.93	3.38	NO	
L0001520	0	0.13483E-03	471196.1	3753189.5	489.2	3.63	3.93	3.38	NO	
L0001521	0	0.13483E-03	471204.5	3753189.6	489.1	3.63	3.93	3.38	NO	
L0001522	0	0.13483E-03	471212.9	3753189.7	489.1	3.63	3.93	3.38	NO	
L0001523	0	0.13483E-03	471221.4	3753189.9	488.9	3.63	3.93	3.38	NO	
L0001524	0	0.13483E-03	471229.8	3753190.0	488.7	3.63	3.93	3.38	NO	
L0001525	0	0.13483E-03	471231.6	3753183.8	488.6	3.63	3.93	3.38	NO	
L0001526	0	0.13483E-03	471223.9	3753182.8	488.9	3.63	3.93	3.38	NO	
L0001527	0	0.13483E-03	471215.5	3753182.7	489.1	3.63	3.93	3.38	NO	
L0001528	0	0.13483E-03	471207.1	3753182.6	489.2	3.63	3.93	3.38	NO	

L0001529	0	0.13483E-03	471198.6	3753182.4	489.3	3.63	3.93	3.38	NO
L0001530	0	0.13483E-03	471190.2	3753182.3	489.5	3.63	3.93	3.38	NO
L0001531	0	0.13483E-03	471181.7	3753182.2	489.5	3.63	3.93	3.38	NO
L0001532	0	0.13483E-03	471173.3	3753182.0	489.5	3.63	3.93	3.38	NO
L0001533	0	0.13483E-03	471164.9	3753181.9	489.5	3.63	3.93	3.38	NO
L0001534	0	0.13483E-03	471156.4	3753181.8	489.6	3.63	3.93	3.38	NO
L0001535	0	0.13483E-03	471148.0	3753181.6	489.9	3.63	3.93	3.38	NO
L0001536	0	0.13483E-03	471139.5	3753181.5	490.2	3.63	3.93	3.38	NO
L0001537	0	0.13483E-03	471131.1	3753181.4	490.5	3.63	3.93	3.38	NO
L0001538	0	0.13483E-03	471122.7	3753181.2	490.7	3.63	3.93	3.38	NO
L0001539	0	0.13483E-03	471114.2	3753181.1	491.0	3.63	3.93	3.38	NO
L0001540	0	0.13483E-03	471105.8	3753181.0	491.3	3.63	3.93	3.38	NO
L0001541	0	0.13483E-03	471097.4	3753180.8	491.6	3.63	3.93	3.38	NO
L0001542	0	0.13483E-03	471088.9	3753180.7	491.9	3.63	3.93	3.38	NO
L0001543	0	0.13483E-03	471080.5	3753180.6	492.2	3.63	3.93	3.38	NO
L0001544	0	0.13483E-03	471072.0	3753180.4	492.5	3.63	3.93	3.38	NO
L0001545	0	0.13483E-03	471063.6	3753180.3	492.8	3.63	3.93	3.38	NO
L0001546	0	0.13483E-03	471055.2	3753180.2	493.2	3.63	3.93	3.38	NO
L0001547	0	0.13483E-03	471046.7	3753180.0	493.7	3.63	3.93	3.38	NO
L0001548	0	0.13483E-03	471038.3	3753179.9	494.0	3.63	3.93	3.38	NO
L0001549	0	0.13483E-03	471029.8	3753179.8	494.2	3.63	3.93	3.38	NO
L0001550	0	0.13483E-03	471021.4	3753179.6	494.3	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001551	0	0.13483E-03	471013.0	3753179.5	494.5	3.63	3.93	3.38	NO	
L0001552	0	0.13483E-03	471004.5	3753179.4	494.9	3.63	3.93	3.38	NO	
L0001553	0	0.13483E-03	470996.1	3753179.2	495.5	3.63	3.93	3.38	NO	
L0001554	0	0.91233E-03	471402.4	3753337.5	484.7	3.63	3.93	3.38	NO	
L0001555	0	0.91233E-03	471402.4	3753329.1	486.0	3.63	3.93	3.38	NO	
L0001556	0	0.91233E-03	471402.4	3753320.7	487.2	3.63	3.93	3.38	NO	
L0001557	0	0.91233E-03	471402.4	3753312.2	487.8	3.63	3.93	3.38	NO	
L0001558	0	0.91233E-03	471402.4	3753303.8	487.9	3.63	3.93	3.38	NO	
L0001559	0	0.91233E-03	471402.4	3753295.3	487.9	3.63	3.93	3.38	NO	
L0001560	0	0.91233E-03	471402.4	3753286.9	488.0	3.63	3.93	3.38	NO	
L0001561	0	0.91233E-03	471402.4	3753278.5	488.0	3.63	3.93	3.38	NO	
L0001562	0	0.91233E-03	471402.4	3753270.0	488.0	3.63	3.93	3.38	NO	
L0001563	0	0.91233E-03	471402.4	3753261.6	488.0	3.63	3.93	3.38	NO	
L0001564	0	0.91233E-03	471402.4	3753253.1	488.0	3.63	3.93	3.38	NO	
L0001565	0	0.91233E-03	471402.4	3753244.7	488.0	3.63	3.93	3.38	NO	

L0001566	0	0.91233E-03	471402.4	3753236.3	488.1	3.63	3.93	3.38	NO
L0001567	0	0.91233E-03	471402.4	3753227.8	488.1	3.63	3.93	3.38	NO
L0001568	0	0.91233E-03	471402.4	3753219.4	488.3	3.63	3.93	3.38	NO
L0001569	0	0.91233E-03	471402.4	3753210.9	488.6	3.63	3.93	3.38	NO
L0001570	0	0.91233E-03	471402.4	3753202.5	488.8	3.63	3.93	3.38	NO
L0001571	0	0.91233E-03	471402.4	3753194.1	489.0	3.63	3.93	3.38	NO
L0001572	0	0.91233E-03	471402.4	3753185.6	489.0	3.63	3.93	3.38	NO
L0001573	0	0.91233E-03	471402.4	3753177.2	489.0	3.63	3.93	3.38	NO
L0001574	0	0.91233E-03	471402.4	3753168.7	489.0	3.63	3.93	3.38	NO
L0001575	0	0.92793E-03	471534.8	3753393.6	482.4	3.63	3.93	3.38	NO
L0001576	0	0.92793E-03	471534.9	3753385.1	482.7	3.63	3.93	3.38	NO
L0001577	0	0.92793E-03	471535.0	3753376.7	483.0	3.63	3.93	3.38	NO
L0001578	0	0.92793E-03	471535.1	3753368.2	483.8	3.63	3.93	3.38	NO
L0001579	0	0.92793E-03	471535.2	3753359.8	484.7	3.63	3.93	3.38	NO
L0001580	0	0.92793E-03	471535.2	3753351.4	485.5	3.63	3.93	3.38	NO
L0001581	0	0.92793E-03	471535.3	3753342.9	486.1	3.63	3.93	3.38	NO
L0001582	0	0.92793E-03	471535.4	3753334.5	486.2	3.63	3.93	3.38	NO
L0001583	0	0.92793E-03	471535.5	3753326.0	486.4	3.63	3.93	3.38	NO
L0001584	0	0.92793E-03	471535.6	3753317.6	486.5	3.63	3.93	3.38	NO
L0001585	0	0.92793E-03	471535.7	3753309.2	486.8	3.63	3.93	3.38	NO
L0001586	0	0.92793E-03	471535.8	3753300.7	487.1	3.63	3.93	3.38	NO
L0001587	0	0.92793E-03	471535.9	3753292.3	487.4	3.63	3.93	3.38	NO
L0001588	0	0.92793E-03	471536.0	3753283.8	487.6	3.63	3.93	3.38	NO
L0001589	0	0.92793E-03	471536.1	3753275.4	487.6	3.63	3.93	3.38	NO
L0001590	0	0.92793E-03	471536.2	3753267.0	487.6	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0001591	0	0.92793E-03	471536.3	3753258.5	487.6	3.63	3.93	3.38	NO
L0001592	0	0.92793E-03	471536.4	3753250.1	487.6	3.63	3.93	3.38	NO
L0001593	0	0.92793E-03	471536.5	3753241.6	487.6	3.63	3.93	3.38	NO
L0001594	0	0.92793E-03	471536.6	3753233.2	487.6	3.63	3.93	3.38	NO
L0001595	0	0.92793E-03	471536.7	3753224.8	487.6	3.63	3.93	3.38	NO
L0001596	0	0.92793E-03	471536.8	3753216.3	487.6	3.63	3.93	3.38	NO
L0001597	0	0.92793E-03	471536.9	3753207.9	487.6	3.63	3.93	3.38	NO
L0001598	0	0.92793E-03	471536.9	3753199.4	487.6	3.63	3.93	3.38	NO
L0001599	0	0.92793E-03	471537.0	3753191.0	487.6	3.63	3.93	3.38	NO
L0001600	0	0.92793E-03	471537.1	3753182.6	487.6	3.63	3.93	3.38	NO
L0001601	0	0.92793E-03	471537.2	3753174.1	487.6	3.63	3.93	3.38	NO
L0001602	0	0.90495E-03	471068.9	3753208.3	491.6	3.63	3.93	3.38	NO

L0001603	0	0.90495E-03	471077.4	3753208.4	491.4	3.63	3.93	3.38	NO
L0001604	0	0.90495E-03	471085.8	3753208.4	491.1	3.63	3.93	3.38	NO
L0001605	0	0.90495E-03	471094.3	3753208.5	490.8	3.63	3.93	3.38	NO
L0001606	0	0.90495E-03	471102.7	3753208.5	490.5	3.63	3.93	3.38	NO
L0001607	0	0.90495E-03	471111.1	3753208.6	490.1	3.63	3.93	3.38	NO
L0001608	0	0.90495E-03	471119.6	3753208.7	489.7	3.63	3.93	3.38	NO
L0001609	0	0.90495E-03	471128.0	3753208.7	489.3	3.63	3.93	3.38	NO
L0001610	0	0.90495E-03	471136.5	3753208.8	489.1	3.63	3.93	3.38	NO
L0001611	0	0.90495E-03	471144.9	3753208.8	488.9	3.63	3.93	3.38	NO
L0001612	0	0.90495E-03	471153.3	3753208.9	488.7	3.63	3.93	3.38	NO
L0001613	0	0.90495E-03	471161.8	3753209.0	488.6	3.63	3.93	3.38	NO
L0001614	0	0.90495E-03	471170.2	3753209.0	488.6	3.63	3.93	3.38	NO
L0001615	0	0.90495E-03	471178.7	3753209.1	488.6	3.63	3.93	3.38	NO
L0001616	0	0.90495E-03	471187.1	3753209.2	488.6	3.63	3.93	3.38	NO
L0001617	0	0.90495E-03	471195.5	3753209.2	488.6	3.63	3.93	3.38	NO
L0001618	0	0.90495E-03	471204.0	3753209.3	488.6	3.63	3.93	3.38	NO
L0001619	0	0.90495E-03	471212.4	3753209.3	488.6	3.63	3.93	3.38	NO
L0001620	0	0.90495E-03	471220.9	3753209.4	488.6	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0001351 , L0001352 , L0001353 , L0001354 , L0001355 , L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 , L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 , L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , L0001379 , L0001380 , L0001381 , L0001382 , L0001383 , L0001384 , L0001385 , L0001386 , L0001387 , L0001388 , L0001389 , L0001390 , L0001391 , L0001392 , L0001393 , L0001394 , L0001395 , L0001396 , L0001397 , L0001398 , L0001399 , L0001400 , L0001401 , L0001402 , L0001403 , L0001404 , L0001405 , L0001406 , L0001407 , L0001408 , L0001409 , L0001410 , L0001411 , L0001412 , L0001413 , L0001414 , L0001415 , L0001416 , L0001417 , L0001418 , L0001419 , L0001420 , L0001421 , L0001422 , L0001423 , L0001424 , L0001425 , L0001426 , L0001427 , L0001428 , L0001429 , L0001430 ,

L0001431 , L0001432 , L0001433 , L0001434 , L0001435 , L0001436 , L0001437 , L0001438 ,

L0001439 , L0001440 , 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 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

L0001511 , L0001512 , L0001513 , L0001514 , L0001515 , L0001516 , L0001517 , L0001518 ,

L0001519 , L0001520 , L0001521 , L0001522 , L0001523 , L0001524 , L0001525 , L0001526 ,

L0001527 , L0001528 , L0001529 , L0001530 , L0001531 , L0001532 , L0001533 , L0001534 ,

L0001535 , L0001536 , L0001537 , L0001538 , L0001539 , L0001540 , L0001541 , L0001542 ,

L0001543 , L0001544 , L0001545 , L0001546 , L0001547 , L0001548 , L0001549 , L0001550 ,

L0001551 , L0001552 , L0001553 , L0001554 , L0001555 , L0001556 , L0001557 , L0001558 ,

L0001559 , L0001560 , L0001561 , L0001562 , L0001563 , L0001564 , L0001565 , L0001566 ,

L0001567 , L0001568 , L0001569 , L0001570 , L0001571 , L0001572 , L0001573 , L0001574 ,

L0001575 , L0001576 , L0001577 , L0001578 , L0001579 , L0001580 , L0001581 , L0001582 ,

L0001583 , L0001584 , L0001585 , L0001586 , L0001587 , L0001588 , L0001589 , L0001590 ,

L0001591 , L0001592 , L0001593 , L0001594 , L0001595 , L0001596 , L0001597 , L0001598 ,

L0001599 , L0001600 , L0001601 , L0001602 , L0001603 , L0001604 , L0001605 , L0001606 ,

L0001607 , L0001608 , L0001609 , L0001610 , L0001611 , L0001612 , L0001613 , L0001614 ,

L0001615 , L0001616 , L0001617 , L0001618 , L0001619 , L0001620 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

470324.3, 470374.3, 470424.3, 470474.3, 470524.3, 470574.3, 470624.3, 470674.3, 470724.3, 470774.3,
470824.3, 470874.3, 470924.3, 470974.3, 471024.3, 471074.3, 471124.3, 471174.3, 471224.3, 471274.3,
471324.3, 471374.3, 471424.3, 471474.3, 471524.3, 471574.3, 471624.3, 471674.3, 471724.3, 471774.3,
471824.3, 471874.3, 471924.3, 471974.3, 472024.3, 472074.3, 472124.3, 472174.3, 472224.3, 472274.3,

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

3752273.1, 3752323.1, 3752373.1, 3752423.1, 3752473.1, 3752523.1, 3752573.1, 3752623.1, 3752673.1, 3752723.1,
3752773.1, 3752823.1, 3752873.1, 3752923.1, 3752973.1, 3753023.1, 3753073.1, 3753123.1, 3753173.1, 3753223.1,
3753273.1, 3753323.1, 3753373.1, 3753423.1, 3753473.1, 3753523.1, 3753573.1, 3753623.1, 3753673.1, 3753723.1,
3753773.1, 3753823.1, 3753873.1, 3753923.1, 3753973.1, 3754023.1, 3754073.1, 3754123.1, 3754173.1, 3754223.1,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470324.27	470374.27	470424.27	470474.27	470524.27	470574.27	470624.27	470674.27	470724.27
3754223.10	475.20	475.40	475.10	474.30	473.60	470.80	466.80	467.50	466.30
3754173.10	485.60	482.30	479.00	476.60	472.40	468.70	470.10	471.70	469.90
3754123.10	489.30	483.40	479.50	475.60	469.80	470.10	472.30	474.30	474.00

3754073.10 |	485.60	477.00	474.30	475.30	484.60	481.60	474.20	479.70	474.00
3754023.10 |	480.20	475.90	479.20	487.20	488.20	483.00	482.80	475.60	475.80
3753973.10 |	483.00	483.40	488.40	487.90	487.20	486.60	482.30	477.90	479.40
3753923.10 |	485.30	489.40	493.40	491.00	489.90	487.50	482.80	482.10	484.00
3753873.10 |	487.10	492.00	495.90	495.70	493.30	490.40	486.70	483.30	487.60
3753823.10 |	490.20	494.70	500.20	500.90	498.70	495.00	489.70	485.60	488.00
3753773.10 |	491.00	497.80	501.90	501.70	499.70	493.50	489.70	487.60	488.80
3753723.10 |	494.30	499.40	501.50	500.50	498.70	494.70	492.70	491.50	489.30
3753673.10 |	500.00	500.10	500.50	500.60	498.30	495.30	495.00	492.50	488.60
3753623.10 |	500.20	500.40	500.90	499.90	499.70	499.00	495.80	493.40	489.80
3753573.10 |	500.50	502.20	501.20	500.50	500.10	499.30	496.10	493.50	493.00
3753523.10 |	502.00	502.10	502.20	501.10	500.30	499.10	497.80	495.30	494.10
3753473.10 |	502.80	503.00	503.90	502.90	502.10	501.20	500.30	497.10	495.70
3753423.10 |	502.60	503.50	504.70	505.50	505.00	502.70	500.30	498.20	497.70
3753373.10 |	503.30	504.00	505.00	506.20	506.20	503.50	500.00	499.00	498.60
3753323.10 |	504.00	504.60	505.00	506.20	506.20	503.50	501.50	499.20	499.80
3753273.10 |	503.10	503.80	505.20	507.20	507.60	505.50	501.30	500.50	501.00
3753223.10 |	500.30	504.50	507.30	512.80	512.70	507.90	505.80	503.40	501.90
3753173.10 |	500.30	504.50	509.50	519.70	518.70	513.00	506.50	503.40	501.10
3753123.10 |	499.80	501.50	506.00	514.10	517.50	511.40	505.50	504.60	502.50
3753073.10 |	497.90	498.80	500.90	504.60	505.50	506.20	504.80	503.90	503.90
3753023.10 |	497.20	498.80	499.70	500.40	501.40	501.50	501.30	501.10	502.20
3752973.10 |	496.10	497.00	497.10	497.80	498.50	499.30	500.00	500.00	501.50
3752923.10 |	494.90	494.90	493.90	494.30	497.60	499.60	500.10	500.80	500.90
3752873.10 |	493.20	493.20	493.50	495.00	498.30	500.40	501.00	500.30	500.10
3752823.10 |	493.50	493.50	493.70	494.30	498.00	499.70	500.00	499.60	499.50
3752773.10 |	494.00	494.00	494.00	494.00	496.90	499.20	498.90	498.90	498.90
3752723.10 |	494.00	494.00	494.00	494.00	494.00	495.40	496.60	497.20	498.00
3752673.10 |	492.60	493.80	494.00	494.50	494.90	497.00	496.50	496.90	497.50
3752623.10 |	491.90	493.70	493.90	494.00	494.80	495.90	495.00	495.00	496.50
3752573.10 |	489.40	491.30	492.20	494.00	494.20	495.00	494.20	494.80	495.70
3752523.10 |	488.00	488.50	489.30	492.30	493.90	494.50	494.00	494.00	495.30
3752473.10 |	488.10	488.10	488.10	489.60	493.80	494.00	494.00	494.10	494.70
3752423.10 |	489.80	489.80	489.70	491.40	492.90	493.60	494.80	495.60	496.40
3752373.10 |	489.20	490.50	491.70	492.50	492.90	493.50	494.20	496.60	498.70
3752323.10 |	488.10	491.40	492.50	494.30	495.10	495.20	494.60	498.50	500.10
3752273.10 |	490.10	493.20	492.90	494.30	495.80	498.20	498.50	499.10	500.50

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD |	X-COORD (METERS)								
(METERS) |	470774.27	470824.27	470874.27	470924.27	470974.27	471024.27	471074.27	471124.27	471174.27

- - - -

3754223.10 |	467.20	470.70	469.70	462.20	456.70	454.30	460.50	453.00	447.00
3754173.10 |	468.00	468.50	469.30	466.40	462.80	460.80	467.00	461.30	453.00
3754123.10 |	469.40	469.70	469.40	468.20	464.80	471.00	471.90	464.40	454.00
3754073.10 |	473.80	477.00	472.60	470.60	469.10	474.50	473.30	466.20	458.20
3754023.10 |	481.20	481.90	479.70	481.30	474.40	470.50	475.20	467.90	463.10
3753973.10 |	484.00	483.70	483.30	482.20	481.90	474.20	475.80	479.90	473.20
3753923.10 |	485.90	481.60	479.20	476.90	475.00	476.60	475.30	481.80	479.20
3753873.10 |	486.20	481.00	478.80	475.00	479.40	481.50	479.90	478.70	475.90
3753823.10 |	483.60	487.10	483.80	475.40	478.50	483.60	482.90	482.70	479.20
3753773.10 |	487.20	490.30	488.00	480.50	480.10	484.00	480.80	476.50	475.10
3753723.10 |	488.00	489.20	488.20	482.10	482.50	486.20	481.70	478.60	474.80
3753673.10 |	488.30	489.90	487.90	482.10	484.60	488.20	485.70	480.50	474.10
3753623.10 |	489.80	490.80	488.70	486.30	488.30	489.90	485.80	478.50	475.40
3753573.10 |	492.80	492.80	489.70	487.80	491.10	488.90	483.00	481.30	481.10
3753523.10 |	494.90	494.90	491.90	495.60	494.60	493.90	489.30	489.00	486.70
3753473.10 |	497.20	497.40	496.80	500.80	500.40	498.10	493.50	490.30	487.30
3753423.10 |	500.00	499.50	499.70	500.10	499.40	497.30	493.50	488.40	487.90
3753373.10 |	500.00	500.00	500.40	498.90	496.40	494.00	492.40	493.80	494.00
3753323.10 |	499.90	499.20	499.20	497.80	495.40	494.80	494.80	494.10	492.70
3753273.10 |	500.40	499.20	498.20	497.50	495.80	494.50	493.50	492.00	488.80
3753223.10 |	500.70	499.30	499.10	498.70	495.40	493.10	491.00	488.60	488.10
3753173.10 |	500.00	500.00	500.00	498.80	497.00	494.40	492.60	491.00	489.80
3753123.10 |	501.40	500.60	500.00	500.40	499.20	495.00	493.50	492.20	490.50
3753073.10 |	502.80	501.30	501.10	500.10	498.40	495.60	493.90	492.30	490.20
3753023.10 |	502.20	502.00	501.20	500.80	499.20	496.00	493.90	492.40	491.50
3752973.10 |	501.50	501.10	501.00	500.40	498.40	494.30	493.00	492.50	492.70
3752923.10 |	500.90	500.20	500.00	500.00	497.50	494.40	495.00	494.20	494.70
3752873.10 |	500.00	500.00	500.00	499.90	499.40	498.20	497.70	498.40	498.00
3752823.10 |	499.10	499.90	500.00	500.10	500.50	499.70	500.10	500.50	500.50
3752773.10 |	499.90	500.00	500.00	500.00	500.80	500.60	501.10	501.80	502.00
3752723.10 |	499.00	499.90	500.00	500.10	501.00	501.80	502.10	502.80	502.80
3752673.10 |	498.10	498.90	499.30	500.00	501.20	502.50	503.50	503.90	503.70
3752623.10 |	497.90	498.10	499.10	500.00	500.80	502.90	504.20	505.10	505.00
3752573.10 |	496.50	498.20	499.50	500.90	501.80	502.90	504.90	506.00	505.80
3752523.10 |	497.60	498.80	500.20	501.60	503.30	503.70	504.60	505.80	507.20
3752473.10 |	497.30	498.80	500.50	502.40	504.10	504.60	505.00	505.70	506.50
3752423.10 |	498.20	499.60	500.10	504.10	505.80	505.40	505.90	505.90	506.10
3752373.10 |	499.50	500.40	501.70	504.70	505.90	506.30	506.90	509.30	509.30
3752323.10 |	500.10	500.00	501.50	503.10	504.00	505.50	506.70	510.90	513.00
3752273.10 |	501.00	500.10	501.50	503.10	504.60	506.30	508.20	511.70	513.40

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD | X-COORD (METERS)

(METERS)	471224.27	471274.27	471324.27	471374.27	471424.27	471474.27	471524.27	471574.27	471624.27
3754223.10	440.80	437.10	439.70	449.00	457.90	463.20	464.20	466.50	466.90
3754173.10	445.90	440.60	439.10	439.90	447.60	454.20	459.50	463.00	467.50
3754123.10	451.20	447.50	443.20	440.20	442.30	448.10	456.20	461.10	464.00
3754073.10	452.20	451.60	447.20	443.90	440.50	443.40	450.80	455.60	459.30
3754023.10	460.80	451.80	452.40	449.50	446.70	441.90	445.10	448.50	454.20
3753973.10	462.20	458.60	456.40	454.00	451.60	448.60	443.40	445.80	451.00
3753923.10	470.20	467.10	462.20	458.40	456.90	452.90	446.00	445.60	448.70
3753873.10	474.90	474.50	466.70	460.60	454.70	448.30	444.50	444.10	445.90
3753823.10	475.50	471.30	466.90	458.90	457.00	457.70	452.50	446.20	447.60
3753773.10	472.00	468.50	468.60	468.80	464.70	463.00	462.60	456.40	454.40
3753723.10	474.40	470.30	469.30	471.10	469.50	466.60	466.50	462.80	456.60
3753673.10	471.30	470.40	469.50	470.20	474.50	469.60	469.00	464.30	464.70
3753623.10	477.90	472.90	469.50	473.30	477.60	472.10	468.50	466.50	469.50
3753573.10	480.10	475.80	473.00	478.00	483.50	480.20	472.40	475.50	476.00
3753523.10	482.20	475.60	478.60	485.60	489.00	485.90	481.40	476.30	480.00
3753473.10	482.20	478.40	479.50	484.70	488.60	487.70	481.60	481.10	481.30
3753423.10	486.20	481.10	480.70	482.50	486.60	485.90	481.20	483.30	483.60
3753373.10	484.40	481.30	481.50	481.50	485.60	486.70	483.40	484.80	487.90
3753323.10	485.90	484.20	481.90	485.60	486.30	488.00	486.10	486.80	487.50
3753273.10	488.00	487.20	485.10	488.00	488.00	488.00	487.20	488.00	488.00
3753223.10	488.10	487.90	487.10	488.00	488.80	488.00	487.20	488.00	488.00
3753173.10	488.80	487.20	488.40	489.50	489.00	488.00	487.20	488.00	488.00
3753123.10	488.80	488.00	488.70	489.90	489.10	488.00	487.10	487.50	487.80
3753073.10	488.80	488.10	489.60	490.70	489.10	487.60	487.10	487.80	487.60
3753023.10	491.10	490.40	490.40	489.70	488.00	488.00	488.00	488.00	488.40
3752973.10	492.90	492.50	492.20	488.50	488.80	489.90	489.80	489.00	489.00
3752923.10	494.40	494.40	494.20	492.20	493.70	492.60	493.80	492.20	490.60
3752873.10	497.60	498.20	497.90	495.40	494.80	493.50	494.00	493.00	491.50
3752823.10	499.50	500.40	500.00	498.30	496.60	494.00	494.50	493.60	492.20
3752773.10	501.10	501.80	500.50	499.00	499.10	497.20	497.90	494.50	493.10
3752723.10	502.70	502.60	501.30	499.80	500.60	499.80	500.00	497.10	493.90
3752673.10	503.50	503.50	502.40	501.30	500.10	500.00	499.80	497.50	496.60
3752623.10	504.30	505.10	505.10	501.70	500.00	500.60	500.00	500.10	499.20
3752573.10	505.70	505.80	505.90	502.50	500.20	501.90	500.40	503.20	501.30
3752523.10	506.40	506.00	506.50	503.30	502.40	505.50	505.80	507.90	504.40
3752473.10	507.90	506.30	507.20	505.30	506.80	508.30	508.10	511.90	506.80
3752423.10	508.10	510.50	511.40	507.30	507.50	512.60	515.30	513.50	511.50
3752373.10	510.40	511.70	512.80	511.70	509.90	516.10	519.40	515.10	514.40
3752323.10	512.90	512.80	512.10	513.80	513.10	518.90	520.10	518.60	518.10
3752273.10	514.60	513.70	515.30	516.70	517.40	518.40	521.90	520.50	518.90

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 471674.27	471724.27	471774.27	471824.27	471874.27	471924.27	471974.27	472024.27	472074.27
3754223.10	468.50	467.20	466.90	465.20	465.20	465.10	465.00	464.40	464.50
3754173.10	469.10	465.00	465.10	463.50	463.10	464.30	464.50	464.00	464.00
3754123.10	468.60	463.20	463.20	462.40	462.80	463.00	464.00	463.90	463.00
3754073.10	462.90	458.90	457.50	457.30	462.60	463.00	463.20	463.00	463.00
3754023.10	455.00	452.50	452.90	456.70	460.70	461.90	462.50	462.90	463.00
3753973.10	452.60	450.40	450.60	454.00	455.30	457.40	462.50	463.00	462.90
3753923.10	445.40	444.20	446.30	450.90	451.20	459.70	463.40	462.40	461.30
3753873.10	446.00	448.40	446.30	444.40	448.00	452.20	454.60	457.30	454.40
3753823.10	448.40	451.00	458.00	451.60	444.20	445.30	446.40	448.50	450.00
3753773.10	449.90	452.50	457.20	456.80	451.50	446.80	444.00	450.40	459.00
3753723.10	458.90	454.00	458.20	460.50	457.80	451.00	450.10	450.60	453.10
3753673.10	465.20	462.10	458.50	464.50	458.20	455.10	462.70	463.20	450.90
3753623.10	470.30	469.30	462.50	464.30	463.40	460.70	467.10	464.20	453.50
3753573.10	479.50	476.30	469.10	467.30	464.80	462.70	467.50	467.40	465.60
3753523.10	482.30	482.80	475.50	472.90	470.50	465.30	465.60	472.40	469.20
3753473.10	482.00	479.10	479.10	478.50	474.90	468.70	463.80	471.30	472.50
3753423.10	484.10	481.70	482.90	480.40	475.40	471.80	469.50	469.30	473.90
3753373.10	486.70	483.60	484.50	481.10	475.50	476.60	478.00	471.50	473.50
3753323.10	488.00	487.80	485.20	481.10	476.90	482.50	481.20	475.40	474.40
3753273.10	489.00	488.20	487.50	484.10	481.50	485.90	483.40	477.60	474.50
3753223.10	488.10	488.20	488.00	487.00	486.20	487.60	485.20	476.10	474.10
3753173.10	488.00	487.40	487.60	488.80	488.80	488.50	484.30	475.80	475.80
3753123.10	487.50	486.60	485.50	485.40	485.70	484.50	481.40	481.80	481.50
3753073.10	486.20	486.20	484.30	482.20	481.10	481.20	482.30	482.80	481.80
3753023.10	488.10	488.10	487.60	486.30	485.80	485.80	484.20	481.90	481.20
3752973.10	490.40	490.80	490.10	488.50	488.90	487.50	486.50	486.00	485.40
3752923.10	492.30	494.00	493.10	491.00	490.10	488.70	487.60	493.30	491.80
3752873.10	492.30	494.00	493.50	492.00	491.80	490.80	488.30	493.30	493.60
3752823.10	492.50	493.50	494.00	493.30	493.30	494.00	491.40	494.80	493.20
3752773.10	494.00	494.00	494.10	494.90	494.90	494.50	492.40	495.00	493.50
3752723.10	494.80	494.80	495.00	495.80	496.00	494.50	493.20	497.10	493.80
3752673.10	496.90	497.40	497.20	496.50	495.60	494.50	494.20	499.20	497.90
3752623.10	499.90	499.90	499.20	497.90	496.30	494.50	494.40	499.00	498.80
3752573.10	500.00	500.80	500.90	498.80	498.60	498.00	497.40	497.10	496.70
3752523.10	501.20	502.00	501.70	501.60	504.90	504.80	501.60	500.00	499.90
3752473.10	505.20	505.40	504.80	506.00	511.60	511.20	508.10	504.50	503.20
3752423.10	506.80	510.50	508.10	511.20	512.80	512.90	512.40	507.90	504.50
3752373.10	513.90	513.50	511.60	508.70	513.80	514.20	513.30	510.90	505.20
3752323.10	519.10	518.10	518.60	512.20	515.50	515.70	515.60	512.50	509.60
3752273.10	522.40	521.40	519.80	515.30	517.40	517.40	516.90	518.00	517.20

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 472124.27	472174.27	472224.27	472274.27
3754223.10	464.00	464.00	463.00	463.20
3754173.10	463.80	463.00	462.80	463.50
3754123.10	463.10	463.20	461.80	462.40
3754073.10	463.70	462.40	458.90	456.10
3754023.10	463.50	460.50	456.10	452.20
3753973.10	463.00	462.90	454.00	458.20
3753923.10	459.10	459.60	451.60	456.50
3753873.10	449.60	453.80	449.00	449.90
3753823.10	460.70	450.60	449.80	449.90
3753773.10	465.20	467.00	461.40	457.90
3753723.10	464.70	470.60	468.90	464.30
3753673.10	459.90	467.10	470.30	469.80
3753623.10	454.30	460.70	467.00	470.10
3753573.10	453.90	453.80	460.80	466.30
3753523.10	462.30	453.30	453.40	461.00
3753473.10	471.00	462.80	455.40	455.60
3753423.10	475.70	470.10	465.70	458.50
3753373.10	475.70	473.50	469.90	462.90
3753323.10	475.10	475.00	470.20	463.70
3753273.10	474.30	473.20	467.90	462.80
3753223.10	471.60	469.20	465.20	468.20
3753173.10	472.00	469.00	468.20	469.90
3753123.10	477.20	470.10	470.20	471.40
3753073.10	478.10	473.90	473.70	472.80
3753023.10	480.20	481.90	477.90	473.50
3752973.10	485.40	483.10	478.10	474.80
3752923.10	491.80	484.40	477.80	475.20
3752873.10	491.60	484.10	482.00	479.60
3752823.10	489.20	488.40	486.00	482.10
3752773.10	490.70	487.40	486.20	484.80
3752723.10	491.80	491.90	489.50	487.90
3752673.10	498.50	495.40	492.70	492.40
3752623.10	496.60	495.80	494.30	493.20
3752573.10	494.10	492.60	491.30	489.20
3752523.10	498.90	496.30	493.10	489.60
3752473.10	502.10	501.20	498.10	494.30
3752423.10	502.70	500.40	498.50	498.00
3752373.10	501.20	499.60	500.40	500.80
3752323.10	507.10	503.80	503.30	503.10
3752273.10	512.90	508.90	507.10	504.60

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470324.27	470374.27	470424.27	470474.27	470524.27	470574.27	470624.27	470674.27	470724.27
3754223.10	491.00	491.00	490.00	474.30	473.60	489.00	489.00	489.00	471.00
3754173.10	488.00	490.00	484.00	489.00	489.00	489.00	489.00	488.00	473.00
3754123.10	490.00	490.00	490.00	489.00	501.00	489.00	489.00	488.00	474.00
3754073.10	491.00	494.00	501.00	501.00	489.00	489.00	489.00	481.00	486.00
3754023.10	497.00	502.00	502.00	487.20	488.20	489.00	482.80	488.00	486.00
3753973.10	500.00	501.00	488.40	487.90	487.20	486.60	486.00	501.00	489.00
3753923.10	501.00	497.00	493.40	501.00	500.00	501.00	501.00	482.10	489.00
3753873.10	502.00	501.00	501.00	501.00	501.00	501.00	501.00	501.00	490.00
3753823.10	502.00	502.00	500.20	500.90	498.70	501.00	501.00	501.00	488.00
3753773.10	502.00	502.00	501.90	501.70	499.70	501.00	501.00	487.60	488.80
3753723.10	500.00	499.40	501.50	500.50	498.70	494.70	492.70	491.50	489.30
3753673.10	500.00	500.10	500.50	500.60	498.30	495.30	495.00	492.50	488.60
3753623.10	500.20	500.40	500.90	499.90	499.70	499.00	495.80	493.40	489.80
3753573.10	500.50	502.20	501.20	500.50	500.10	499.30	496.10	493.50	493.00
3753523.10	502.00	502.10	502.20	501.10	500.30	499.10	497.80	495.30	494.10
3753473.10	502.80	503.00	503.90	502.90	502.10	501.20	500.30	497.10	495.70
3753423.10	502.60	503.50	504.70	505.50	505.00	502.70	500.30	498.20	497.70
3753373.10	503.30	504.00	505.00	506.20	506.20	503.50	500.00	499.00	498.60
3753323.10	504.00	504.60	505.00	506.20	506.20	521.00	501.50	499.20	499.80
3753273.10	503.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	501.00
3753223.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	519.00	501.90
3753173.10	521.00	521.00	521.00	519.70	518.70	521.00	521.00	521.00	501.10
3753123.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	520.00	502.50
3753073.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	520.00	503.90
3753023.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	520.00	502.20
3752973.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	500.00	501.50
3752923.10	494.90	521.00	521.00	521.00	521.00	499.60	500.10	500.80	500.90
3752873.10	493.20	493.20	521.00	495.00	498.30	500.40	501.00	500.30	500.10
3752823.10	493.50	493.50	493.70	494.30	498.00	499.70	500.00	499.60	499.50
3752773.10	494.00	494.00	494.00	494.00	498.00	499.20	498.90	498.90	498.90
3752723.10	494.00	494.00	494.00	494.00	494.00	495.40	496.60	497.20	498.00
3752673.10	492.60	493.80	494.00	494.50	494.90	497.00	496.50	496.90	497.50
3752623.10	491.90	493.70	493.90	494.00	494.80	495.90	495.00	495.00	496.50
3752573.10	489.40	491.30	492.20	494.00	494.20	495.00	494.20	494.80	495.70
3752523.10	488.00	488.50	489.30	492.30	493.90	494.50	494.00	494.00	495.30
3752473.10	488.10	488.10	488.10	493.00	493.80	494.00	494.00	494.10	494.70
3752423.10	489.80	489.80	489.70	491.40	492.90	493.60	494.80	495.60	496.40
3752373.10	489.20	490.50	491.70	492.50	492.90	493.50	494.20	496.60	498.70

3752323.10 |	488.10	492.00	492.50	494.30	495.10	495.20	494.60	498.50	500.10
3752273.10 |	494.00	493.20	492.90	494.30	495.80	498.20	498.50	499.10	500.50

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS) |	X-COORD (METERS) 470774.27	470824.27	470874.27	470924.27	470974.27	471024.27	471074.27	471124.27	471174.27
3754223.10 |	475.00	470.70	477.00	484.00	486.00	939.00	476.00	939.00	939.00
3754173.10 |	486.00	486.00	469.30	484.00	484.00	484.00	476.00	485.00	939.00
3754123.10 |	486.00	486.00	486.00	486.00	486.00	476.00	471.90	485.00	939.00
3754073.10 |	486.00	486.00	486.00	486.00	484.00	474.50	473.30	485.00	485.00
3754023.10 |	486.00	486.00	483.00	484.00	484.00	485.00	485.00	485.00	485.00
3753973.10 |	484.00	483.70	483.30	483.00	483.00	483.00	485.00	485.00	485.00
3753923.10 |	487.00	481.60	482.00	483.00	483.00	482.00	485.00	485.00	485.00
3753873.10 |	488.00	490.00	491.00	491.00	482.00	481.50	482.00	482.00	485.00
3753823.10 |	490.00	490.00	490.00	491.00	484.00	483.60	482.90	482.70	481.00
3753773.10 |	487.20	490.30	488.00	491.00	488.00	484.00	480.80	483.00	483.00
3753723.10 |	488.00	489.20	488.20	489.00	488.00	486.20	488.00	486.00	488.00
3753673.10 |	488.30	489.90	487.90	500.00	490.00	488.20	485.70	488.00	490.00
3753623.10 |	489.80	490.80	488.70	500.00	488.30	489.90	490.00	501.00	501.00
3753573.10 |	492.80	492.80	500.00	501.00	491.10	501.00	501.00	501.00	490.00
3753523.10 |	494.90	494.90	501.00	500.00	501.00	500.00	501.00	489.00	486.70
3753473.10 |	497.20	497.40	496.80	500.80	500.40	500.00	500.00	490.30	487.30
3753423.10 |	500.00	499.50	499.70	500.10	499.40	497.30	493.50	495.00	495.00
3753373.10 |	500.00	500.00	500.40	498.90	499.00	494.00	492.40	493.80	494.00
3753323.10 |	499.90	499.20	499.20	497.80	495.40	494.80	494.80	494.10	492.70
3753273.10 |	500.40	499.20	498.20	497.50	495.80	494.50	493.50	492.00	494.00
3753223.10 |	500.70	499.30	499.10	498.70	495.40	493.10	491.00	493.00	488.10
3753173.10 |	500.00	500.00	500.00	498.80	497.00	494.40	492.60	491.00	489.80
3753123.10 |	501.40	500.60	500.00	500.40	499.20	495.00	493.50	492.20	490.50
3753073.10 |	502.80	501.30	501.10	500.10	498.40	495.60	493.90	492.30	490.20
3753023.10 |	502.20	502.00	501.20	500.80	499.20	496.00	493.90	492.40	491.50
3752973.10 |	501.50	501.10	501.00	500.40	498.40	494.30	493.00	492.50	492.70
3752923.10 |	500.90	500.20	500.00	500.00	500.00	498.00	495.00	494.20	494.70
3752873.10 |	500.00	500.00	500.00	499.90	499.40	498.20	497.70	498.40	498.00
3752823.10 |	499.10	499.90	500.00	500.10	500.50	499.70	500.10	500.50	500.50
3752773.10 |	499.90	500.00	500.00	500.00	500.80	500.60	501.10	501.80	502.00
3752723.10 |	499.00	499.90	500.00	500.10	501.00	501.80	502.10	502.80	502.80
3752673.10 |	498.10	498.90	499.30	500.00	501.20	502.50	503.50	503.90	503.70
3752623.10 |	497.90	498.10	499.10	500.00	500.80	502.90	504.20	505.10	505.00
3752573.10 |	496.50	498.20	499.50	500.90	501.80	502.90	504.90	506.00	505.80
3752523.10 |	497.60	498.80	500.20	501.60	503.30	503.70	504.60	505.80	507.20

3752473.10 |	497.30	498.80	500.50	502.40	504.10	504.60	505.00	505.70	506.50
3752423.10 |	498.20	499.60	500.10	504.10	505.80	505.40	505.90	505.90	506.10
3752373.10 |	499.50	500.40	501.70	504.70	505.90	506.30	506.90	509.30	512.00
3752323.10 |	500.10	500.00	501.50	503.10	504.00	505.50	510.00	510.90	513.00
3752273.10 |	501.00	500.10	501.50	503.10	504.60	506.30	511.00	511.70	513.40

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD | (METERS) |	X-COORD (METERS) 471224.27	471274.27	471324.27	471374.27	471424.27	471474.27	471524.27	471574.27	471624.27
3754223.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754173.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754123.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754073.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754023.10 |	485.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753973.10 |	485.00	485.00	485.00	939.00	939.00	939.00	939.00	939.00	939.00
3753923.10 |	485.00	485.00	485.00	485.00	930.00	939.00	939.00	939.00	939.00
3753873.10 |	474.90	474.50	476.00	476.00	487.00	939.00	939.00	939.00	939.00
3753823.10 |	475.50	476.00	476.00	489.00	489.00	489.00	939.00	939.00	939.00
3753773.10 |	483.00	475.00	468.60	470.00	487.00	489.00	489.00	489.00	939.00
3753723.10 |	474.40	475.00	469.30	471.10	487.00	489.00	489.00	489.00	489.00
3753673.10 |	489.00	482.00	489.00	489.00	487.00	489.00	489.00	489.00	489.00
3753623.10 |	482.00	489.00	489.00	489.00	489.00	489.00	489.00	489.00	488.00
3753573.10 |	486.00	488.00	489.00	489.00	489.00	489.00	489.00	488.00	483.00
3753523.10 |	488.00	495.00	489.00	489.00	489.00	489.00	489.00	489.00	480.00
3753473.10 |	495.00	495.00	489.00	484.70	488.60	487.70	489.00	482.00	481.30
3753423.10 |	495.00	495.00	480.70	482.50	486.60	488.00	488.00	483.30	486.00
3753373.10 |	495.00	495.00	481.50	488.00	485.60	486.70	488.00	484.80	487.90
3753323.10 |	495.00	493.00	488.00	485.60	486.30	488.00	486.10	486.80	487.50
3753273.10 |	488.00	487.20	485.10	488.00	488.00	488.00	487.20	488.00	488.00
3753223.10 |	488.10	487.90	487.10	488.00	488.80	488.00	487.20	488.00	488.00
3753173.10 |	488.80	487.20	488.40	489.50	489.00	488.00	487.20	488.00	488.00
3753123.10 |	488.80	488.00	488.70	489.90	489.10	488.00	487.10	487.50	487.80
3753073.10 |	488.80	488.10	489.60	490.70	489.10	487.60	487.10	487.80	487.60
3753023.10 |	492.00	490.40	490.40	489.70	488.00	488.00	488.00	488.00	488.40
3752973.10 |	492.90	492.50	492.20	493.00	494.00	489.90	489.80	489.00	489.00
3752923.10 |	494.40	494.40	494.20	492.20	493.70	492.60	493.80	492.20	490.60
3752873.10 |	497.60	498.20	497.90	495.40	494.80	493.50	494.00	493.00	491.50
3752823.10 |	499.50	500.40	500.00	498.30	496.60	494.00	494.50	493.60	492.20
3752773.10 |	501.10	501.80	500.50	499.00	499.10	497.20	497.90	499.00	493.10
3752723.10 |	502.70	502.60	501.30	499.80	500.60	499.80	500.00	500.00	493.90
3752673.10 |	503.50	503.50	502.40	501.30	500.10	500.00	499.80	497.50	496.60

3752623.10 |	504.30	505.10	505.10	501.70	500.00	500.60	500.00	500.10	499.20
3752573.10 |	505.70	505.80	505.90	502.50	500.20	501.90	517.00	507.00	512.00
3752523.10 |	506.40	506.00	506.50	503.30	519.00	505.50	517.00	507.90	512.00
3752473.10 |	507.90	512.00	507.20	512.00	518.00	519.00	520.00	511.90	519.00
3752423.10 |	508.10	512.00	511.40	513.00	520.00	519.00	519.00	519.00	511.50
3752373.10 |	510.40	511.70	512.80	511.70	520.00	519.00	519.40	519.00	518.00
3752323.10 |	512.90	512.80	512.10	513.80	532.00	518.90	520.10	518.60	518.10
3752273.10 |	514.60	513.70	517.00	516.70	532.00	532.00	521.90	520.50	526.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD | (METERS) |	X-COORD (METERS) 471674.27	471724.27	471774.27	471824.27	471874.27	471924.27	471974.27	472024.27	472074.27
3754223.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754173.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754123.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754073.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754023.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753973.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753923.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753873.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753823.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753773.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753723.10 |	487.00	939.00	930.00	930.00	939.00	939.00	939.00	939.00	939.00
3753673.10 |	484.00	484.00	484.00	484.00	930.00	939.00	930.00	939.00	939.00
3753623.10 |	484.00	484.00	484.00	484.00	484.00	483.00	468.00	470.00	939.00
3753573.10 |	483.00	484.00	484.00	484.00	484.00	483.00	471.00	473.00	473.00
3753523.10 |	482.30	482.80	484.00	483.00	483.00	483.00	473.00	473.00	469.20
3753473.10 |	482.00	482.00	482.00	480.00	474.90	483.00	488.00	471.30	472.50
3753423.10 |	486.00	481.70	482.90	480.40	475.40	486.00	488.00	488.00	473.90
3753373.10 |	486.70	488.00	484.50	482.00	484.00	486.00	483.00	488.00	473.50
3753323.10 |	488.00	487.80	487.00	482.00	488.00	482.50	482.00	488.00	474.40
3753273.10 |	489.00	488.20	487.50	488.00	486.00	485.90	488.00	488.00	486.00
3753223.10 |	488.10	488.20	488.00	487.00	486.20	487.60	486.00	489.00	489.00
3753173.10 |	488.00	487.40	487.60	488.80	488.80	488.50	489.00	489.00	482.00
3753123.10 |	487.50	486.60	485.50	487.00	485.70	487.00	489.00	481.80	481.50
3753073.10 |	486.20	486.20	484.30	485.00	488.00	481.20	482.30	482.80	481.80
3753023.10 |	488.10	488.10	487.60	486.30	487.00	485.80	484.20	494.00	495.00
3752973.10 |	490.40	493.00	490.10	488.50	488.90	487.50	494.00	494.00	495.00
3752923.10 |	492.30	494.00	493.10	491.00	490.10	488.70	494.00	494.00	491.80
3752873.10 |	492.30	494.00	493.50	492.00	491.80	490.80	495.00	493.30	493.60
3752823.10 |	492.50	493.50	494.00	493.30	493.30	494.00	491.40	494.80	493.20

3752773.10 |	494.00	494.00	494.10	494.90	494.90	494.50	492.40	495.00	493.50
3752723.10 |	494.80	494.80	495.00	495.80	496.00	494.50	498.00	498.00	493.80
3752673.10 |	496.90	497.40	497.20	496.50	495.60	494.50	500.00	499.20	497.90
3752623.10 |	499.90	499.90	499.20	497.90	512.00	513.00	512.00	500.00	498.80
3752573.10 |	500.00	500.80	500.90	513.00	513.00	514.00	513.00	512.00	496.70
3752523.10 |	512.00	502.00	505.00	513.00	513.00	513.00	513.00	513.00	499.90
3752473.10 |	512.00	512.00	511.00	513.00	511.60	511.20	512.00	513.00	503.20
3752423.10 |	523.00	510.50	519.00	511.20	512.80	512.90	512.40	513.00	513.00
3752373.10 |	519.00	513.50	519.00	519.00	513.80	514.20	513.30	510.90	520.00
3752323.10 |	519.10	518.10	518.60	521.00	515.50	515.70	515.60	519.00	520.00
3752273.10 |	522.40	521.40	519.80	519.00	517.40	517.40	516.90	519.00	519.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS) |	X-COORD (METERS) 472124.27	472174.27	472224.27	472274.27
3754223.10 |	939.00	939.00	939.00	939.00
3754173.10 |	939.00	939.00	939.00	939.00
3754123.10 |	939.00	939.00	939.00	939.00
3754073.10 |	939.00	939.00	939.00	939.00
3754023.10 |	939.00	939.00	939.00	939.00
3753973.10 |	939.00	939.00	939.00	939.00
3753923.10 |	939.00	939.00	939.00	939.00
3753873.10 |	939.00	939.00	939.00	939.00
3753823.10 |	939.00	939.00	939.00	939.00
3753773.10 |	939.00	939.00	939.00	939.00
3753723.10 |	939.00	939.00	939.00	939.00
3753673.10 |	939.00	939.00	939.00	939.00
3753623.10 |	939.00	939.00	939.00	939.00
3753573.10 |	939.00	939.00	939.00	930.00
3753523.10 |	476.00	939.00	939.00	939.00
3753473.10 |	476.00	476.00	930.00	939.00
3753423.10 |	475.70	476.00	476.00	476.00
3753373.10 |	475.70	473.50	469.90	476.00
3753323.10 |	475.10	475.00	475.00	475.00
3753273.10 |	474.30	476.00	476.00	476.00
3753223.10 |	481.00	475.00	476.00	469.00
3753173.10 |	482.00	482.00	468.20	469.90
3753123.10 |	482.00	495.00	483.00	471.40
3753073.10 |	482.00	495.00	495.00	482.00
3753023.10 |	495.00	483.00	495.00	495.00
3752973.10 |	495.00	495.00	495.00	495.00

3752923.10 |	495.00	495.00	495.00	495.00
3752873.10 |	495.00	495.00	495.00	488.00
3752823.10 |	489.20	488.40	486.00	482.10
3752773.10 |	500.00	500.00	500.00	500.00
3752723.10 |	500.00	500.00	500.00	492.00
3752673.10 |	498.50	500.00	492.70	492.40
3752623.10 |	496.60	495.80	494.30	494.00
3752573.10 |	501.00	500.00	500.00	489.20
3752523.10 |	501.00	502.00	502.00	501.00
3752473.10 |	502.10	501.20	500.00	494.30
3752423.10 |	502.70	500.40	498.50	499.00
3752373.10 |	522.00	521.00	500.40	500.80
3752323.10 |	521.00	521.00	517.00	503.10
3752273.10 |	519.00	520.00	507.10	504.60

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

(471761.0, 3752929.0,	493.8,	493.8,	0.0);	(471633.4, 3752929.0,	490.1,	490.1,	0.0);
(471511.9, 3752927.8,	493.4,	493.4,	0.0);	(471378.2, 3752924.1,	492.2,	492.2,	0.0);
(471275.1, 3752927.8,	494.1,	494.1,	0.0);	(471448.1, 3752870.1,	494.3,	494.3,	0.0);
(471385.5, 3752872.6,	495.2,	495.2,	0.0);	(471324.2, 3752870.1,	498.2,	498.2,	0.0);
(471277.6, 3752876.3,	498.0,	499.0,	0.0);	(471162.3, 3752926.6,	494.1,	494.1,	0.0);
(471026.1, 3752922.9,	494.4,	498.0,	0.0);	(471233.4, 3752873.8,	497.5,	497.5,	0.0);
(471104.6, 3752868.9,	498.8,	498.8,	0.0);	(471000.3, 3752872.6,	499.0,	499.0,	0.0);
(470962.3, 3752909.4,	498.1,	498.1,	0.0);	(470866.6, 3752908.2,	500.0,	500.0,	0.0);
(470788.1, 3752908.2,	500.4,	500.4,	0.0);				

* 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)
L0001454	471374.3	3753323.1	-3.55
L0001455	471374.3	3753323.1	0.96
L0001460	471374.3	3753273.1	-3.56
L0001465	471374.3	3753223.1	0.55
L0001466	471374.3	3753223.1	-3.49

L0001471	471374.3	3753173.1	0.02
L0001472	471374.3	3753173.1	-3.34
L0001477	471374.3	3753123.1	-0.50
L0001478	471374.3	3753123.1	-3.11
L0001483	471374.3	3753073.1	-0.92
L0001484	471374.3	3753073.1	-2.67
L0001489	471374.3	3753023.1	-1.12
L0001490	471374.3	3753023.1	-2.03
L0001495	471374.3	3752973.1	-1.26
L0001532	471174.3	3753173.1	0.55
L0001538	471124.3	3753173.1	-0.15
L0001544	471074.3	3753173.1	-0.77
L0001549	471024.3	3753173.1	0.25
L0001550	471024.3	3753173.1	-1.30

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

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

METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 2014 1 1 1
AND END DATE: 2016 12 31 24

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

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

Surface file: N:\AIR_GHG_NOISE_Technical\001_AIR\Meterological\RiversideAirportADJU\KRAL_V9_AD Met Version: 16216

Profile file: N:\AIR_GHG_NOISE_Technical\001_AIR\Meterological\RiversideAirportADJU\KRAL_V9_AD

Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190

Name: UNKNOWN Name: UNKNOWN

Year: 2012 Year: 2012

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
12	01	01	1	01	-25.6	0.266	-9.000	-9.000	-999.	330.	77.9	0.15	2.40	1.00	2.93	55.	10.1	288.1	2.0
12	01	01	1	02	-26.8	0.277	-9.000	-9.000	-999.	351.	84.7	0.15	2.40	1.00	3.05	55.	10.1	287.0	2.0
12	01	01	1	03	-21.5	0.221	-9.000	-9.000	-999.	250.	53.5	0.15	2.40	1.00	2.45	74.	10.1	284.2	2.0
12	01	01	1	04	-22.0	0.227	-9.000	-9.000	-999.	260.	56.8	0.15	2.40	1.00	2.52	77.	10.1	285.9	2.0
12	01	01	1	05	-20.0	0.206	-9.000	-9.000	-999.	225.	46.8	0.15	2.40	1.00	2.30	80.	10.1	285.4	2.0
12	01	01	1	06	-14.4	0.171	-9.000	-9.000	-999.	170.	32.1	0.15	2.40	1.00	1.93	79.	10.1	287.0	2.0
12	01	01	1	07	-14.9	0.174	-9.000	-9.000	-999.	174.	33.2	0.15	2.40	1.00	1.96	77.	10.1	284.2	2.0
12	01	01	1	08	-11.9	0.169	-9.000	-9.000	-999.	167.	36.1	0.15	2.40	0.53	1.89	77.	10.1	288.1	2.0
12	01	01	1	09	40.4	0.234	0.359	0.006	40.	272.	-28.1	0.15	2.40	0.31	2.10	81.	10.1	289.2	2.0
12	01	01	1	10	112.6	0.246	0.742	0.005	129.	293.	-11.8	0.15	2.40	0.24	1.99	101.	10.1	296.4	2.0
12	01	01	1	11	161.0	0.402	1.188	0.005	369.	611.	-35.6	0.15	2.40	0.21	3.68	78.	10.1	298.8	2.0
12	01	01	1	12	184.7	0.337	1.516	0.005	668.	473.	-18.4	0.15	2.40	0.20	2.89	68.	10.1	300.4	2.0
12	01	01	1	13	183.9	0.310	1.809	0.005	1139.	414.	-14.2	0.15	2.40	0.20	2.57	64.	10.1	302.5	2.0
12	01	01	1	14	156.6	0.374	1.852	0.005	1434.	549.	-29.5	0.15	2.40	0.22	3.37	63.	10.1	303.1	2.0
12	01	01	1	15	104.3	0.382	1.658	0.005	1546.	567.	-47.2	0.15	2.40	0.25	3.59	62.	10.1	302.5	2.0
12	01	01	1	16	31.8	0.374	1.123	0.005	1573.	550.	-145.8	0.15	2.40	0.34	3.76	69.	10.1	300.9	2.0
12	01	01	1	17	-23.3	0.276	-9.000	-9.000	-999.	354.	84.0	0.15	2.40	0.62	3.03	59.	10.1	297.5	2.0
12	01	01	1	18	-21.5	0.229	-9.000	-9.000	-999.	264.	57.8	0.15	2.40	1.00	2.54	54.	10.1	295.4	2.0
12	01	01	1	19	-19.3	0.204	-9.000	-9.000	-999.	221.	45.6	0.15	2.40	1.00	2.27	79.	10.1	292.0	2.0
12	01	01	1	20	-20.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.15	2.40	1.00	2.42	79.	10.1	292.5	2.0
12	01	01	1	21	-19.7	0.206	-9.000	-9.000	-999.	225.	46.9	0.15	2.40	1.00	2.30	95.	10.1	290.9	2.0
12	01	01	1	22	-17.6	0.190	-9.000	-9.000	-999.	199.	39.8	0.15	2.40	1.00	2.13	78.	10.1	290.4	2.0
12	01	01	1	23	-20.3	0.211	-9.000	-9.000	-999.	233.	49.0	0.15	2.40	1.00	2.35	52.	10.1	289.2	2.0
12	01	01	1	24	-16.4	0.183	-9.000	-9.000	-999.	189.	37.0	0.15	2.40	1.00	2.06	75.	10.1	288.8	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.1	1	55.	2.93	288.2	99.0	-99.00	-99.00

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

*** AERMOD - VERSION 16216r *** *** C:\AERMOD\9309\NOx\NOx.isc *** 12/03/19

*** AERMET - VERSION 16216 *** *** *** 09:42:33

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,

L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,

L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,

L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 470324.27	470374.27	470424.27	470474.27	470524.27	470574.27	470624.27	470674.27	470724.27
3754223.10	0.08611	0.08901	0.09170	0.09407	0.09633	0.09710	0.09661	0.09894	0.09971
3754173.10	0.09366	0.09624	0.09840	0.10054	0.10123	0.10158	0.10514	0.10868	0.10943
3754123.10	0.09896	0.10167	0.10401	0.10570	0.10538	0.10887	0.11369	0.11820	0.12071
3754073.10	0.10363	0.10452	0.10694	0.11161	0.12056	0.12372	0.12283	0.13069	0.12964
3754023.10	0.10741	0.10956	0.11595	0.12379	0.12913	0.13264	0.13753	0.13689	0.14125
3753973.10	0.11422	0.11942	0.12611	0.13165	0.13728	0.14309	0.14711	0.14928	0.15591
3753923.10	0.12100	0.12759	0.13426	0.14017	0.14686	0.15337	0.15823	0.16455	0.17254
3753873.10	0.12782	0.13484	0.14182	0.14891	0.15703	0.16470	0.17224	0.17861	0.18919
3753823.10	0.13497	0.14304	0.14489	0.15092	0.16299	0.17623	0.18629	0.19483	0.20606
3753773.10	0.14202	0.14827	0.14898	0.15782	0.17178	0.18972	0.20072	0.21217	0.22488
3753723.10	0.15050	0.15415	0.15815	0.17007	0.18496	0.20304	0.21655	0.23053	0.24556
3753673.10	0.15291	0.16150	0.16999	0.17993	0.19755	0.21662	0.23240	0.24969	0.26805
3753623.10	0.15993	0.16954	0.17891	0.19314	0.20654	0.22323	0.24859	0.27127	0.29304
3753573.10	0.16607	0.17276	0.18763	0.20294	0.21873	0.23774	0.26659	0.29351	0.31963
3753523.10	0.16854	0.18015	0.19292	0.21166	0.23134	0.25484	0.28141	0.31490	0.34797
3753473.10	0.17189	0.18371	0.19367	0.21364	0.23537	0.26069	0.28950	0.33437	0.37498
3753423.10	0.17803	0.18822	0.19714	0.20796	0.22839	0.26536	0.30809	0.35439	0.39788
3753373.10	0.18058	0.19204	0.20260	0.21171	0.22952	0.27280	0.32824	0.37376	0.42410
3753323.10	0.18220	0.19431	0.20857	0.21895	0.23864	0.28355	0.33432	0.39581	0.44426
3753273.10	0.19056	0.20275	0.21249	0.21674	0.23242	0.27592	0.34961	0.40352	0.45766
3753223.10	0.20554	0.20691	0.20750	0.17924	0.19382	0.26339	0.31723	0.38948	0.47168
3753173.10	0.21321	0.21575	0.20173	0.14064	0.15853	0.22091	0.32855	0.41534	0.51694
3753123.10	0.22234	0.23770	0.23675	0.19000	0.17433	0.25552	0.36218	0.42405	0.52844
3753073.10	0.23284	0.25323	0.27217	0.27984	0.30233	0.32928	0.38646	0.45182	0.52367
3753023.10	0.23911	0.25909	0.28270	0.31004	0.33971	0.37940	0.42892	0.48805	0.54339
3752973.10	0.24346	0.26575	0.29187	0.32078	0.35352	0.39005	0.43077	0.48081	0.52004
3752923.10	0.24478	0.26676	0.29058	0.31937	0.34899	0.37708	0.41060	0.44358	0.47967
3752873.10	0.24058	0.26059	0.28279	0.31021	0.33362	0.35390	0.37799	0.40834	0.43396
3752823.10	0.23581	0.25356	0.27395	0.29581	0.31536	0.33205	0.35080	0.37046	0.38589
3752773.10	0.22970	0.24501	0.26111	0.27780	0.29512	0.30633	0.32086	0.33227	0.34075
3752723.10	0.21997	0.23277	0.24587	0.25897	0.27170	0.28418	0.29250	0.29834	0.30053
3752673.10	0.20637	0.21899	0.22949	0.24009	0.24914	0.25477	0.26092	0.26355	0.26331
3752623.10	0.19336	0.20462	0.21262	0.21972	0.22623	0.23006	0.23391	0.23536	0.23174
3752573.10	0.18069	0.18727	0.19325	0.20061	0.20463	0.20674	0.20834	0.20732	0.20389
3752523.10	0.16818	0.17297	0.17717	0.18085	0.18442	0.18509	0.18502	0.18359	0.17879
3752473.10	0.15620	0.15949	0.16221	0.16437	0.16614	0.16570	0.16436	0.16187	0.15755
3752423.10	0.14474	0.14689	0.14847	0.14939	0.14997	0.14850	0.14513	0.14098	0.13565
3752373.10	0.13358	0.13485	0.13555	0.13560	0.13527	0.13357	0.12990	0.12326	0.11629
3752323.10	0.12308	0.12367	0.12365	0.12230	0.11997	0.11752	0.11549	0.10704	0.10106
3752273.10	0.11338	0.11365	0.11296	0.11057	0.10730	0.10215	0.09873	0.09480	0.08960

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 470774.27	470824.27	470874.27	470924.27	470974.27	471024.27	471074.27	471124.27	471174.27
3754223.10	0.10177	0.10559	0.10573	0.10035	0.09651	0.09458	0.09750	0.09184	0.08821
3754173.10	0.10973	0.11171	0.11366	0.11194	0.10910	0.10717	0.11161	0.10552	0.09876
3754123.10	0.11910	0.12142	0.12287	0.12300	0.12037	0.12672	0.12711	0.11829	0.10881
3754073.10	0.13250	0.13832	0.13646	0.13624	0.13589	0.14279	0.14132	0.13203	0.12279
3754023.10	0.14990	0.15424	0.15593	0.16045	0.15539	0.15167	0.15848	0.14805	0.14078
3753973.10	0.16451	0.16916	0.17342	0.17670	0.18005	0.17273	0.17660	0.18276	0.17187
3753923.10	0.18000	0.18283	0.18559	0.18743	0.18888	0.19530	0.19573	0.20765	0.20388
3753873.10	0.19652	0.19938	0.20315	0.20300	0.21672	0.22578	0.22791	0.22878	0.22399
3753823.10	0.21289	0.22490	0.23118	0.22506	0.23915	0.25603	0.26227	0.26767	0.26363
3753773.10	0.23640	0.24896	0.26016	0.26135	0.27076	0.28890	0.29256	0.28864	0.28970
3753723.10	0.26042	0.27590	0.29025	0.29587	0.31018	0.33075	0.33573	0.33836	0.33328
3753673.10	0.28696	0.30651	0.32480	0.33283	0.35622	0.37982	0.39610	0.39906	0.38453
3753623.10	0.31670	0.34103	0.36574	0.38694	0.41319	0.43704	0.45919	0.45405	0.45938
3753573.10	0.34858	0.37958	0.41296	0.44407	0.47546	0.50820	0.52492	0.55173	0.58966
3753523.10	0.38050	0.41861	0.46618	0.49411	0.53983	0.58197	0.64165	0.69335	0.75068
3753473.10	0.40696	0.44989	0.50498	0.49423	0.53825	0.62024	0.75289	0.83621	0.92083
3753423.10	0.42234	0.47797	0.53168	0.58379	0.65931	0.76933	0.92637	1.03505	1.14555
3753373.10	0.46412	0.52668	0.59099	0.71240	0.87933	1.05681	1.19913	1.26358	1.35616
3753323.10	0.50838	0.60242	0.70796	0.88106	1.13944	1.37532	1.55467	1.71599	1.91798
3753273.10	0.54097	0.66512	0.83541	1.07343	1.47381	2.02794	2.64866	3.04176	3.15036
3753223.10	0.57294	0.72083	0.90922	1.22601	2.05344	3.48858	7.10004	9.03453	9.76818
3753173.10	0.63100	0.77048	0.98273	1.44103	2.77412	5.36274	7.54310	8.44783	8.41781
3753123.10	0.64707	0.80853	1.04189	1.33620	1.77621	2.42823	2.73899	2.84835	2.85547
3753073.10	0.63281	0.78267	0.93113	1.11101	1.29644	1.48837	1.58881	1.66848	1.75998
3753023.10	0.61750	0.70062	0.79387	0.86000	0.93722	1.04971	1.12636	1.19785	1.27622
3752973.10	0.57262	0.62695	0.66612	0.69935	0.75060	0.83820	0.88508	0.92066	0.96921
3752923.10	0.51326	0.54800	0.56857	0.57720	0.61711	0.66673	0.67117	0.69630	0.69881
3752873.10	0.45464	0.46858	0.47600	0.47942	0.48474	0.49843	0.50270	0.48870	0.48389
3752823.10	0.39933	0.40019	0.40092	0.39819	0.38979	0.39145	0.37796	0.35949	0.34020
3752773.10	0.34061	0.34096	0.33866	0.33376	0.32061	0.31261	0.29551	0.27251	0.25145
3752723.10	0.29822	0.29177	0.28640	0.27912	0.26500	0.24854	0.23242	0.21156	0.19578

3752673.10 |	0.26024	0.25354	0.24586	0.23514	0.21996	0.20143	0.18249	0.16691	0.15588
3752623.10 |	0.22508	0.21953	0.20987	0.19866	0.18627	0.16629	0.14881	0.13380	0.12506
3752573.10 |	0.19794	0.18835	0.17799	0.16586	0.15407	0.14059	0.12329	0.11041	0.10441
3752523.10 |	0.16932	0.16114	0.15113	0.14008	0.12699	0.11771	0.10710	0.09649	0.08663
3752473.10 |	0.14807	0.13993	0.13012	0.11901	0.10754	0.09940	0.09215	0.08516	0.07905
3752423.10 |	0.12820	0.12064	0.11439	0.09978	0.08963	0.08511	0.07904	0.07530	0.07187
3752373.10 |	0.11074	0.10476	0.09760	0.08648	0.07885	0.07344	0.06839	0.06020	0.05738
3752323.10 |	0.09724	0.09335	0.08669	0.07957	0.07376	0.06731	0.06173	0.05165	0.04568
3752273.10 |	0.08545	0.08300	0.07720	0.07101	0.06517	0.05946	0.05361	0.04602	0.04143

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD |	X-COORD (METERS)								
(METERS) |	471224.27	471274.27	471324.27	471374.27	471424.27	471474.27	471524.27	471574.27	471624.27
3754223.10 |	0.08545	0.08366	0.08276	0.08363	0.08623	0.08810	0.08732	0.08745	0.08618
3754173.10 |	0.09458	0.09194	0.09024	0.08886	0.08894	0.08985	0.09118	0.09191	0.09353
3754123.10 |	0.10575	0.10259	0.09972	0.09744	0.09595	0.09544	0.09702	0.09831	0.09853
3754073.10 |	0.11716	0.11480	0.11102	0.10806	0.10535	0.10362	0.10347	0.10355	0.10360
3754023.10 |	0.13637	0.12757	0.12522	0.12136	0.11792	0.11441	0.11242	0.11073	0.11029
3753973.10 |	0.15369	0.14727	0.14230	0.13748	0.13313	0.12897	0.12480	0.12217	0.12032
3753923.10 |	0.18547	0.17689	0.16584	0.15774	0.15256	0.14644	0.14061	0.13673	0.13324
3753873.10 |	0.22079	0.21683	0.19537	0.18129	0.17160	0.16456	0.15923	0.15431	0.14912
3753823.10 |	0.25431	0.24022	0.22468	0.20659	0.19888	0.19351	0.18469	0.17666	0.16967
3753773.10 |	0.28180	0.27008	0.26561	0.25865	0.24141	0.23084	0.22221	0.20773	0.19693
3753723.10 |	0.33746	0.32260	0.31571	0.31407	0.29821	0.27953	0.26784	0.24914	0.22993
3753673.10 |	0.38209	0.38359	0.37973	0.37606	0.38401	0.34637	0.32735	0.29870	0.28025
3753623.10 |	0.49626	0.47669	0.46507	0.48425	0.50336	0.44253	0.40125	0.36939	0.34894
3753573.10 |	0.61976	0.61001	0.60628	0.66626	0.72263	0.65527	0.53545	0.51293	0.46722
3753523.10 |	0.78428	0.76306	0.85454	1.00496	1.02170	1.00893	0.86552	0.69621	0.65138
3753473.10 |	0.97386	1.02107	1.16658	1.45772	1.63100	1.69511	1.46696	1.19675	0.96963
3753423.10 |	1.28843	1.39398	1.66480	2.30593	3.24733	3.45224	3.57851	2.67621	1.73394
3753373.10 |	1.60079	1.82246	2.38319	3.41800	3.78721	4.47640	9.59004	5.75778	3.06587
3753323.10 |	2.10995	2.49206	3.30900	6.61272	8.14974	6.72050	11.21381	7.00277	3.97873
3753273.10 |	3.08769	3.44428	4.57957	8.96609	9.73140	7.76933	11.83767	7.58144	4.37885
3753223.10 |	7.67940	5.53832	5.79044	9.03861	9.81935	7.64874	11.46268	7.57731	4.40005
3753173.10 |	7.04082	5.46653	5.57721	7.62274	8.19996	6.15528	8.23510	5.92119	3.61230

3753123.10 |	2.94364	3.21314	3.72088	4.07167	3.92019	3.74472	3.45421	3.16534	2.32128
3753073.10 |	1.91382	2.14070	2.59131	3.54397	3.12398	2.61899	2.18745	1.81096	1.53362
3753023.10 |	1.38605	1.56220	1.92996	2.71452	2.08053	1.57233	1.30464	1.14583	1.03269
3752973.10 |	1.02431	1.11783	1.30150	1.71094	1.37329	1.05394	0.89886	0.80746	0.74159
3752923.10 |	0.71603	0.71920	0.69325	0.70207	0.58091	0.59916	0.53042	0.55624	0.53902
3752873.10 |	0.47100	0.42843	0.38882	0.39362	0.38263	0.40028	0.37659	0.39094	0.40196
3752823.10 |	0.32840	0.28951	0.26800	0.26707	0.27292	0.29957	0.28275	0.29166	0.31222
3752773.10 |	0.23988	0.21432	0.20965	0.21000	0.20087	0.21018	0.20151	0.22641	0.23869
3752723.10 |	0.18165	0.16954	0.16796	0.16956	0.15861	0.15983	0.15623	0.17220	0.19304
3752673.10 |	0.14636	0.13751	0.13644	0.13652	0.13851	0.13601	0.13488	0.14504	0.14945
3752623.10 |	0.12084	0.11077	0.10570	0.11665	0.12071	0.11605	0.11661	0.11575	0.11981
3752573.10 |	0.09935	0.09429	0.09005	0.09952	0.10535	0.09803	0.10121	0.09087	0.09799
3752523.10 |	0.08529	0.08302	0.07830	0.08587	0.08647	0.07661	0.07377	0.06753	0.07803
3752473.10 |	0.07180	0.07279	0.06848	0.07090	0.06543	0.06076	0.06062	0.05076	0.06400
3752423.10 |	0.06428	0.05557	0.05179	0.05928	0.05788	0.04505	0.03829	0.04208	0.04804
3752373.10 |	0.05335	0.04867	0.04464	0.04539	0.04779	0.03492	0.02977	0.03607	0.03750
3752323.10 |	0.04410	0.04280	0.04266	0.03814	0.03803	0.02904	0.02702	0.02907	0.02986
3752273.10 |	0.03792	0.03820	0.03388	0.03097	0.02853	0.02700	0.02325	0.02487	0.02605

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD | (METERS) |	X-COORD (METERS) 471674.27	471724.27	471774.27	471824.27	471874.27	471924.27	471974.27	472024.27	472074.27
3754223.10 |	0.08554	0.08274	0.08041	0.07711	0.07479	0.07244	0.07021	0.06788	0.06600
3754173.10 |	0.09275	0.08750	0.08515	0.08153	0.07869	0.07685	0.07454	0.07199	0.06978
3754123.10 |	0.10005	0.09314	0.09034	0.08684	0.08413	0.08139	0.07929	0.07662	0.07355
3754073.10 |	0.10372	0.09782	0.09374	0.09028	0.09027	0.08727	0.08430	0.08116	0.07810
3754023.10 |	0.10762	0.10291	0.09927	0.09727	0.09593	0.09304	0.08986	0.08654	0.08292
3753973.10 |	0.11715	0.11194	0.10735	0.10412	0.10031	0.09724	0.09644	0.09247	0.08793
3753923.10 |	0.12759	0.12187	0.11653	0.11227	0.10707	0.10666	0.10436	0.09828	0.09222
3753873.10 |	0.14283	0.13641	0.12878	0.12153	0.11588	0.11112	0.10608	0.10143	0.09385
3753823.10 |	0.16158	0.15343	0.14830	0.13639	0.12637	0.11874	0.11133	0.10458	0.09827
3753773.10 |	0.18433	0.17362	0.16497	0.15420	0.14139	0.13014	0.12020	0.11342	0.11043
3753723.10 |	0.21669	0.19846	0.18663	0.17517	0.15998	0.14420	0.13291	0.12351	0.11642
3753673.10 |	0.26031	0.23524	0.21260	0.20179	0.17837	0.16176	0.15580	0.14569	0.12795
3753623.10 |	0.32106	0.28906	0.24927	0.22879	0.20740	0.18723	0.18196	0.16606	0.14688

3753573.10 |	0.44048	0.37416	0.30705	0.27262	0.24347	0.22078	0.21320	0.19982	0.18590
3753523.10 |	0.58210	0.50631	0.40562	0.35283	0.31306	0.27521	0.25672	0.25610	0.23412
3753473.10 |	0.80366	0.65039	0.56571	0.49709	0.42848	0.36617	0.32432	0.32192	0.30374
3753423.10 |	1.29854	1.00657	0.84803	0.70706	0.58512	0.50282	0.44530	0.40655	0.39042
3753373.10 |	2.07733	1.51837	1.21458	0.97494	0.78074	0.69202	0.62187	0.52342	0.48341
3753323.10 |	2.68741	1.99930	1.55776	1.22733	0.98700	0.89908	0.77600	0.65246	0.57890
3753273.10 |	2.99916	2.26505	1.79334	1.44018	1.18189	1.03971	0.88989	0.74862	0.64847
3753223.10 |	3.05423	2.31174	1.84069	1.51124	1.26743	1.08823	0.93835	0.77302	0.67749
3753173.10 |	2.62152	2.05271	1.67673	1.40382	1.19987	1.04088	0.90415	0.75241	0.67645
3753123.10 |	1.89178	1.58563	1.35175	1.17691	1.03727	0.91460	0.80188	0.72515	0.65601
3753073.10 |	1.31632	1.16651	1.02929	0.91240	0.82126	0.75059	0.69274	0.63733	0.58282
3753023.10 |	0.94034	0.86236	0.79556	0.73302	0.67850	0.63042	0.58224	0.53581	0.49852
3752973.10 |	0.68465	0.63879	0.60250	0.57084	0.53847	0.50980	0.48084	0.45389	0.42841
3752923.10 |	0.50119	0.44769	0.43844	0.44317	0.42607	0.40984	0.39290	0.36339	0.35537
3752873.10 |	0.38383	0.34524	0.34138	0.34890	0.33795	0.33010	0.32155	0.29910	0.28983
3752823.10 |	0.30268	0.27886	0.26905	0.26868	0.26335	0.25525	0.26293	0.24361	0.24283
3752773.10 |	0.22709	0.22384	0.21895	0.21198	0.20944	0.20879	0.21811	0.20281	0.20437
3752723.10 |	0.18411	0.18211	0.17947	0.17430	0.17199	0.17566	0.17901	0.16592	0.17322
3752673.10 |	0.14784	0.14520	0.14530	0.14683	0.14838	0.15035	0.14991	0.13673	0.13986
3752623.10 |	0.11777	0.11781	0.12008	0.12368	0.12703	0.13064	0.12968	0.11887	0.11948
3752573.10 |	0.10303	0.10088	0.10080	0.10637	0.10653	0.10712	0.10761	0.10775	0.10836
3752523.10 |	0.08784	0.08644	0.08716	0.08782	0.07973	0.08013	0.08751	0.09049	0.09088
3752473.10 |	0.06865	0.06862	0.07065	0.06823	0.05560	0.05741	0.06452	0.07275	0.07576
3752423.10 |	0.05866	0.05089	0.05641	0.05053	0.04788	0.04869	0.05026	0.05937	0.06598
3752373.10 |	0.03842	0.04054	0.04416	0.05086	0.04182	0.04207	0.04458	0.04944	0.05909
3752323.10 |	0.02805	0.02962	0.02927	0.04022	0.03556	0.03607	0.03712	0.04227	0.04743
3752273.10 |	0.02223	0.02330	0.02574	0.03217	0.03012	0.03075	0.03235	0.03105	0.03239

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD | (METERS) |	X-COORD (METERS) 472124.27	472174.27	472224.27	472274.27
3754223.10 |	0.06387	0.06192	0.05946	0.05736
3754173.10 |	0.06745	0.06477	0.06224	0.05996
3754123.10 |	0.07096	0.06824	0.06471	0.06203
3754073.10 |	0.07531	0.07131	0.06636	0.06203

3754023.10 |	0.07939	0.07389	0.06816	0.06326
3753973.10 |	0.08347	0.07895	0.07052	0.06856
3753923.10 |	0.08572	0.08117	0.07322	0.07133
3753873.10 |	0.08631	0.08286	0.07659	0.07299
3753823.10 |	0.09766	0.08699	0.08208	0.07814
3753773.10 |	0.10853	0.10396	0.09465	0.08830
3753723.10 |	0.11775	0.11694	0.10976	0.10139
3753673.10 |	0.12628	0.12667	0.12401	0.11831
3753623.10 |	0.13955	0.13794	0.13835	0.13592
3753573.10 |	0.16403	0.15618	0.15554	0.15526
3753523.10 |	0.20961	0.18901	0.17998	0.17961
3753473.10 |	0.28077	0.24724	0.22294	0.21134
3753423.10 |	0.36598	0.32437	0.29232	0.26058
3753373.10 |	0.44896	0.40435	0.36244	0.31884
3753323.10 |	0.52566	0.47715	0.42025	0.36824
3753273.10 |	0.58177	0.52180	0.45580	0.40255
3753223.10 |	0.59656	0.53015	0.46878	0.44010
3753173.10 |	0.59246	0.52656	0.47947	0.44703
3753123.10 |	0.58054	0.50332	0.46498	0.43443
3753073.10 |	0.52521	0.47197	0.43870	0.40663
3753023.10 |	0.46371	0.43859	0.40246	0.36780
3752973.10 |	0.40531	0.38060	0.35160	0.32707
3752923.10 |	0.34008	0.32637	0.30244	0.28522
3752873.10 |	0.28676	0.27720	0.26522	0.25302
3752823.10 |	0.24456	0.23774	0.23049	0.22097
3752773.10 |	0.20754	0.20402	0.19865	0.19308
3752723.10 |	0.17718	0.17387	0.17209	0.16883
3752673.10 |	0.13819	0.14314	0.14685	0.14588
3752623.10 |	0.12352	0.12432	0.12567	0.12619
3752573.10 |	0.11257	0.11566	0.11694	0.11630
3752523.10 |	0.09264	0.09635	0.10092	0.10422
3752473.10 |	0.07798	0.07975	0.08400	0.08819
3752423.10 |	0.06933	0.07272	0.07515	0.07578
3752373.10 |	0.06474	0.06665	0.06603	0.06588
3752323.10 |	0.05146	0.05610	0.05691	0.05760
3752273.10 |	0.03897	0.04514	0.04805	0.05118

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
471760.95	3752929.03	0.45162	471633.36	3752929.03	0.55484
471511.91	3752927.81	0.56988	471378.18	3752924.12	0.70352
471275.13	3752927.81	0.75408	471448.11	3752870.15	0.37827
471385.54	3752872.60	0.39013	471324.20	3752870.15	0.37748
471277.58	3752876.28	0.43803	471162.26	3752926.58	0.72100
471026.09	3752922.90	0.66678	471233.42	3752873.83	0.46962
471104.60	3752868.92	0.47677	471000.32	3752872.60	0.48873
470962.29	3752909.40	0.57659	470866.60	3752908.18	0.53719
470788.09	3752908.18	0.50515			

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD (METERS) |	X-COORD (METERS) 470324.27	470374.27	470424.27	470474.27	470524.27
3754223.1 |	3.14228 (14102002)	3.20361 (16040106)	3.25401 (14120522)	3.31161 (16050106)	3.36238 (16102920)
3754173.1 |	3.35045 (16011801)	3.38828 (15071405)	3.41293 (16040106)	3.44037 (14120522)	3.42889 (16050106)
3754123.1 |	3.49079 (14051623)	3.50370 (16011801)	3.51132 (15071405)	3.51473 (14102002)	3.45513 (14120522)
3754073.1 |	3.55521 (15030902)	3.53127 (14051623)	3.54001 (14051623)	3.60665 (16011801)	3.85172 (15071405)
3754023.1 |	3.61500 (14010401)	3.60149 (15030902)	3.73634 (14051623)	3.92746 (14051623)	4.01535 (14051623)
3753973.1 |	3.76263 (15102905)	3.84511 (14010401)	3.95784 (14010401)	4.03988 (15030902)	4.14361 (14051623)
3753923.1 |	3.92433 (15100519)	4.00373 (15100519)	5.55898 (16032107)	4.23486 (15102905)	4.31824 (14010401)
3753873.1 |	4.08342 (14012724)	4.26008 (15092505)	6.28289 (16032107)	6.40653 (15080406)	5.99399 (16032107)
3753823.1 |	4.25269 (15092505)	5.91641 (16032107)	6.45970 (15080406)	6.70413 (15080406)	7.01575 (15080406)
3753773.1 |	4.41299 (15010320)	6.29715 (16032107)	6.43341 (14040402)	6.54122 (14060505)	6.90458 (16032107)
3753723.1 |	5.98479 (16101105)	6.62604 (16092024)	6.69783 (15080406)	6.78327 (14111505)	6.87236 (14040402)
3753673.1 |	6.89013 (16092024)	6.97715 (16092024)	7.04034 (16092024)	7.15460 (15080406)	7.20137 (16092024)
3753623.1 |	7.21226 (16060405)	7.31428 (16092024)	7.40129 (16092024)	7.46322 (16092024)	7.67688 (15080406)
3753573.1 |	7.69857 (16102923)	7.70262 (16102923)	7.83216 (16121320)	7.95613 (16092024)	7.98107 (16092024)
3753523.1 |	8.14369 (14012220)	8.31776 (14012220)	8.39732 (16102923)	8.50626 (16102923)	8.65514 (16092024)
3753473.1 |	9.11102 (15071106)	8.96800 (15071106)	8.89447 (14012220)	9.19766 (14012220)	9.36941 (16102923)
3753423.1 |	10.59558 (15071106)	10.57872 (15071106)	10.23814 (15071106)	9.78525 (15071106)	9.71631 (15071106)
3753373.1 |	10.84904 (15071106)	11.38775 (15071106)	11.62745 (15071106)	11.42158 (15071106)	11.39338 (15071106)
3753323.1 |	10.34675 (14081706)	10.65576 (14090506)	10.90676 (14090506)	11.27700 (15071106)	12.16201 (15071106)

3753273.1 |	11.54358 (14101107)	11.88493 (14101107)	12.01783 (14101107)	11.55384 (14101107)	11.55364 (14101107)
3753223.1 |	11.28106 (16050206)	11.52491 (16092803)	11.40592 (16092803)	9.23784 (16032001)	9.56213 (16032001)
3753173.1 |	11.37885 (14091124)	12.02633 (14092202)	11.12431 (16102221)	6.94234 (14062105)	7.49706 (14062105)
3753123.1 |	11.45896 (16082806)	12.43336 (16102922)	12.64983 (16102922)	9.63232 (14111504)	8.25960 (15033007)
3753073.1 |	10.93768 (15051105)	11.77358 (16112202)	12.96667 (15032301)	13.48984 (14090903)	14.05394 (14083105)
3753023.1 |	10.71840 (14083105)	11.99595 (14101007)	13.45124 (14101007)	14.67161 (14101007)	15.54421 (14101007)
3752973.1 |	10.79893 (14101007)	11.78111 (14101007)	12.13938 (14101007)	12.41285 (14030601)	13.63608 (14072006)
3752923.1 |	9.23235 (14030601)	9.85320 (14072006)	9.96032 (14072006)	10.84419 (14072006)	12.41027 (15020806)
3752873.1 |	8.00137 (14072006)	8.26109 (14072006)	8.60663 (14093001)	10.35014 (16041501)	11.87762 (14010402)
3752823.1 |	7.58645 (14093001)	7.93786 (16012001)	8.71230 (15092523)	9.40248 (15020503)	11.19493 (14092504)
3752773.1 |	7.86312 (15092523)	8.08334 (15020503)	8.43617 (16101605)	8.84705 (15082705)	10.37988 (15110407)
3752723.1 |	7.49119 (16101605)	7.84872 (15082705)	8.10488 (15082705)	8.25628 (15081302)	8.55583 (15081302)
3752673.1 |	6.29770 (16042323)	7.32890 (16042323)	7.69960 (15081302)	8.18558 (15081302)	8.47148 (15101923)
3752623.1 |	5.72494 (14111324)	6.99614 (15091006)	7.29227 (15101923)	7.47696 (16100921)	8.01036 (16100921)
3752573.1 |	5.27660 (16083003)	5.58181 (16121021)	5.87243 (15032003)	7.07552 (16100921)	7.34015 (15100521)
3752523.1 |	4.91131 (16121021)	5.08853 (16082306)	5.27948 (15091304)	5.72471 (15100521)	6.79569 (14073105)
3752473.1 |	4.75863 (16082306)	4.87854 (15091304)	4.91676 (16011904)	5.09327 (15051003)	6.44468 (15041004)
3752423.1 |	4.68595 (15091304)	4.72669 (15051003)	4.81496 (15051003)	4.99018 (15041004)	5.56120 (15041004)
3752373.1 |	4.41480 (15051003)	4.58074 (15051003)	4.74182 (15041004)	4.99048 (16032204)	5.32530 (16032204)
3752323.1 |	4.20114 (15051003)	4.46230 (15090406)	4.72616 (16032204)	5.84002 (15092503)	6.17882 (16121022)
3752273.1 |	4.12455 (15090406)	5.02802 (15041004)	4.79756 (16032204)	5.68694 (16121022)	6.07271 (16121022)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	470574.27	470624.27	470674.27	470724.27	470774.27
3754223.1 |	3.39147 (16031307)	3.36850 (16031307)	3.42839 (15020620)	3.47605 (15020620)	3.59312 (15092002)
3754173.1 |	3.41071 (16102920)	3.54646 (16031307)	3.68233 (16031307)	3.68979 (15020620)	3.71719 (15092002)
3754123.1 |	3.54454 (15020119)	3.69026 (16050106)	3.86051 (16031307)	3.96390 (16031307)	3.89761 (15020620)
3754073.1 |	3.90836 (16040106)	3.84975 (15020119)	4.10419 (16050106)	4.08398 (16031307)	4.20646 (16031307)
3754023.1 |	4.05130 (15071405)	4.16259 (16040106)	4.11510 (15020119)	4.26430 (16050106)	4.56977 (16031307)
3753973.1 |	4.24431 (14051623)	4.27530 (15071405)	4.31233 (16040106)	4.49632 (14120522)	4.78539 (16050106)
3753923.1 |	4.36669 (14051623)	4.47495 (14051623)	4.56903 (16011801)	4.75995 (15071405)	4.96404 (14120522)
3753873.1 |	4.57423 (15102905)	4.65700 (15030902)	4.77448 (14051623)	4.99990 (14051623)	5.15433 (15071405)
3753823.1 |	6.84925 (15080406)	4.82021 (15102905)	4.97207 (14010401)	5.18014 (15030902)	5.35064 (14051623)
3753773.1 |	6.62746 (16032107)	5.00581 (15032022)	5.15850 (15100519)	5.36340 (15102905)	5.58579 (15030902)

3753723.1 |	6.92694 (16032107)	6.06080 (14030324)	5.52685 (15092505)	5.57294 (15032022)	5.80249 (15100519)
3753673.1 |	7.17612 (14110819)	7.29488 (14110819)	5.95444 (16042101)	5.80695 (15092505)	6.04818 (15082601)
3753623.1 |	7.71845 (15080406)	7.66919 (14110819)	7.52837 (14110819)	6.05615 (15010320)	6.32718 (15010320)
3753573.1 |	8.34470 (16032107)	8.06052 (16032107)	7.88402 (15073005)	7.54504 (15073005)	7.61789 (16012922)
3753523.1 |	8.73893 (16092024)	9.01807 (16032107)	8.64532 (16102923)	8.71097 (16060405)	9.17432 (16060405)
3753473.1 |	9.52893 (16121320)	9.79766 (16092024)	9.71607 (14110819)	9.93374 (16032107)	10.74372 (16052306)
3753423.1 |	10.46794 (14012220)	10.95300 (16102923)	11.16540 (16060405)	11.47121 (14110819)	12.32417 (16032107)
3753373.1 |	12.42713 (15071106)	13.23040 (15071106)	13.22182 (15071106)	13.24348 (15100623)	13.50522 (16092024)
3753323.1 |	13.90394 (15071106)	15.54280 (15071106)	16.50318 (15071106)	16.96208 (15071106)	16.79512 (15071106)
3753273.1 |	13.01292 (14090506)	15.25573 (14081706)	16.44023 (14081706)	17.91298 (15071106)	20.44868 (15071106)
3753223.1 |	12.74060 (16092803)	14.73501 (16092803)	17.13691 (14101107)	19.89712 (14101107)	22.62565 (14101107)
3753173.1 |	10.66023 (14062105)	15.32497 (16102221)	18.08963 (14092804)	21.04970 (14092804)	23.75395 (16082806)
3753123.1 |	11.62895 (15033007)	16.00233 (14090903)	17.80646 (14090903)	20.52530 (14090903)	23.22838 (14083105)
3753073.1 |	14.53361 (16101406)	16.63448 (14101007)	18.48507 (14101007)	19.36898 (14101007)	20.51276 (16081905)
3753023.1 |	15.90328 (14101007)	16.07755 (16081905)	17.23522 (14072006)	17.49125 (16032004)	18.24531 (14030502)
3752973.1 |	14.59645 (14072006)	14.97138 (16032004)	15.78298 (16032004)	15.85269 (14080304)	15.92821 (14101823)
3752923.1 |	13.42301 (16032004)	13.82452 (14010402)	14.21328 (14080304)	14.32112 (15110407)	13.95128 (15082406)
3752873.1 |	12.60264 (14080304)	12.72571 (15110407)	12.91762 (15110407)	12.83082 (15082406)	12.38722 (14103106)
3752823.1 |	11.75067 (15110407)	11.62278 (15082406)	11.75281 (15082406)	11.41838 (14103106)	11.10734 (14103106)
3752773.1 |	10.77192 (15082406)	10.77167 (15082406)	10.52689 (14103106)	10.38985 (16060402)	10.13189 (16060402)
3752723.1 |	9.33632 (16121305)	9.55542 (16100921)	9.76002 (16060402)	9.68155 (16060402)	9.71307 (16082303)
3752673.1 |	8.94325 (16060402)	9.07071 (16060402)	9.01077 (16060402)	9.14198 (16082303)	9.16614 (16082303)
3752623.1 |	8.39630 (16060402)	8.19472 (14073105)	8.36814 (14073105)	8.58258 (16040923)	8.77693 (16121303)
3752573.1 |	7.71966 (14073105)	7.61593 (14073105)	7.91282 (15071805)	8.04990 (15071805)	8.19532 (16121022)
3752523.1 |	7.24633 (14073105)	7.08823 (15071805)	7.03367 (15092503)	7.65659 (16121022)	8.07137 (14101101)
3752473.1 |	6.67664 (15071805)	6.65376 (15092503)	6.98643 (16121022)	7.20959 (16121022)	7.62875 (14101101)
3752423.1 |	6.19333 (15092503)	6.78169 (16121022)	7.01299 (16121022)	7.09157 (14101101)	7.38792 (16120903)
3752373.1 |	5.91072 (15092503)	6.34245 (16121022)	6.75958 (14101101)	6.97390 (16120903)	7.42060 (16062606)
3752323.1 |	6.26709 (16121022)	6.11989 (15100302)	6.59489 (16120903)	6.99958 (16082304)	7.44123 (16062606)
3752273.1 |	6.32826 (14101101)	6.27220 (15100302)	6.60434 (16082304)	7.03780 (16062606)	7.14453 (16062606)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	470824.27	470874.27	470924.27	470974.27	471024.27
3754223.1 |	3.75549 (16011223)	3.82266 (14020605)	3.68455 (16031023)	3.63921 (15080906)	3.63454 (15041122)

3754173.1 |	3.83000 (15092002)	3.94795 (16011223)	3.94499 (14083006)	3.92919 (16031023)	3.96677 (15080906)
3754123.1 |	4.01269 (15092002)	4.08963 (16100924)	4.16125 (14020605)	4.14698 (14040404)	4.52803 (15080906)
3754073.1 |	4.41122 (15020620)	4.39465 (15092002)	4.40134 (16011501)	4.48103 (14020605)	4.86002 (16031023)
3754023.1 |	4.74479 (16031307)	4.82093 (15020620)	5.03134 (15092002)	4.90451 (16011223)	4.86545 (14040404)
3753973.1 |	4.97048 (16031307)	5.14166 (16031307)	5.27750 (15020620)	5.44345 (15092002)	5.27560 (16011223)
3753923.1 |	5.10296 (16050106)	5.23851 (16031307)	5.32604 (16031307)	5.40045 (15020620)	5.65290 (14092923)
3753873.1 |	5.24886 (14120522)	5.42386 (16050106)	5.48141 (16031307)	5.90069 (14020908)	6.22456 (15092002)
3753823.1 |	5.57936 (15071405)	5.79195 (16040106)	5.71980 (16050106)	6.19162 (16031307)	6.64486 (14020908)
3753773.1 |	5.92629 (15030902)	6.13648 (16011801)	6.20805 (16040106)	6.55932 (16050106)	7.13272 (16031307)
3753723.1 |	6.08951 (14010401)	6.40565 (15030902)	6.59351 (14051623)	6.94656 (15071405)	7.57625 (16050106)
3753673.1 |	6.41005 (15082601)	6.66988 (15102905)	6.90296 (15030902)	7.44574 (14051623)	7.94730 (15071405)
3753623.1 |	6.65589 (15092505)	6.98939 (15082601)	7.39284 (15100519)	7.90155 (14010401)	8.48955 (14051623)
3753573.1 |	8.02396 (16101105)	7.25613 (15010320)	7.79440 (15092505)	8.51406 (16032107)	8.90372 (15102905)
3753523.1 |	9.58680 (16060405)	7.88554 (15073005)	10.84145 (14110819)	11.64528 (16032107)	12.91036 (16032107)
3753473.1 |	11.81992 (16052306)	11.08454 (16052106)	10.71350 (16121320)	11.56031 (16092024)	12.70425 (14111505)
3753423.1 |	12.82140 (15080406)	13.67984 (16052306)	12.34427 (15030901)	12.47345 (14042706)	14.22463 (15071306)
3753373.1 |	13.86493 (14040402)	15.09986 (15080406)	16.61608 (16052306)	16.00310 (16052106)	16.23614 (15071106)
3753323.1 |	16.98614 (15100623)	17.67510 (16092024)	19.56482 (16032107)	20.58801 (16032107)	21.30358 (16052306)
3753273.1 |	23.07187 (15071106)	25.21242 (15071106)	26.12420 (15071106)	27.34830 (15073005)	28.77722 (16032107)
3753223.1 |	25.87714 (14101107)	29.63250 (14101107)	34.43599 (14101107)	40.03139 (14101107)	46.72699 (15101307)
3753173.1 |	27.07099 (16082806)	31.46307 (16102922)	37.68583 (15051105)	51.09781 (14101007)	60.70538 (14101007)
3753123.1 |	27.48952 (14101007)	30.44677 (14101007)	30.42761 (16121101)	31.70212 (14030502)	33.32833 (14080304)
3753073.1 |	22.23224 (16121101)	22.85871 (14030502)	22.79760 (14080304)	22.88949 (16083103)	22.01660 (15082406)
3753023.1 |	18.15215 (14080304)	18.30532 (16083103)	17.37053 (15072802)	16.52337 (15072802)	16.36736 (15082406)
3752973.1 |	15.85099 (16083103)	15.02063 (15072802)	14.07479 (15072802)	13.95356 (14103106)	14.22117 (16060402)
3752923.1 |	13.59597 (15082406)	12.94140 (14103106)	12.43522 (14103106)	12.71913 (14103106)	13.24358 (16060402)
3752873.1 |	11.92179 (14103106)	11.51797 (14103106)	11.43667 (16060402)	11.92143 (16082303)	12.71902 (16082303)
3752823.1 |	10.70500 (16060402)	10.73015 (16060402)	11.05512 (16082303)	11.33171 (16082303)	11.91829 (16121303)
3752773.1 |	10.12829 (16082303)	10.39505 (16082303)	10.51174 (16082303)	10.82517 (16121303)	11.39038 (14101101)
3752723.1 |	9.77521 (16082303)	9.85104 (16121303)	10.14325 (16121303)	10.49270 (14101101)	10.72249 (15021921)
3752673.1 |	9.33505 (16121303)	9.47733 (16121303)	9.86475 (14101101)	9.96728 (15021921)	10.55105 (16062606)
3752623.1 |	8.80551 (16121303)	9.22988 (14101101)	9.35377 (14101101)	9.91738 (16062606)	10.21362 (16062606)
3752573.1 |	8.62154 (14101101)	8.78250 (14101101)	9.04502 (16082304)	9.79274 (16062606)	9.43741 (16040804)
3752523.1 |	8.23643 (14101101)	8.42520 (15021921)	9.16340 (16062606)	8.96165 (16062606)	9.06651 (16040804)
3752473.1 |	7.88971 (16120903)	8.56516 (16062606)	8.71425 (16062606)	8.49853 (16040804)	8.49274 (16101404)
3752423.1 |	7.95971 (16062606)	8.34011 (16062606)	7.92023 (16040804)	7.83352 (16040804)	8.10972 (16111523)
3752373.1 |	7.89156 (16062606)	7.66485 (16062606)	7.72363 (16040804)	7.55011 (16101404)	7.61993 (16011922)
3752323.1 |	7.39147 (16062606)	7.48504 (16040804)	7.59091 (16101404)	7.69645 (16111523)	7.59587 (16011922)
3752273.1 |	7.01201 (14061805)	7.16056 (16101404)	7.28293 (16111523)	7.31589 (16011922)	7.01551 (14081702)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 471074.27	471124.27	471174.27	471224.27	471274.27
3754223.1	3.89393 (16032623)	3.77585 (16091724)	3.72713 (14092003)	3.77674 (15091703)	3.83677 (15122208)
3754173.1	4.26365 (14050903)	4.14647 (16032623)	4.02583 (16091724)	3.98771 (14010820)	4.05396 (15122208)
3754123.1	4.64829 (15041122)	4.47232 (16032623)	4.25025 (16091724)	4.23153 (14010820)	4.32564 (14080404)
3754073.1	4.95553 (15080906)	4.72879 (16110523)	4.52128 (14081503)	4.48237 (14101224)	4.61577 (15091703)
3754023.1	5.27930 (15080906)	5.02246 (15041122)	4.96134 (16032623)	4.98383 (16091724)	4.85758 (15091703)
3753973.1	5.55411 (16031023)	5.96721 (15080906)	5.74469 (16110523)	5.29105 (16091724)	5.25127 (14010820)
3753923.1	5.77357 (14042005)	6.36266 (15080906)	6.40441 (15041122)	6.02308 (16032623)	5.94459 (14012523)
3753873.1	6.35456 (16011223)	6.52884 (16031023)	6.61073 (15080906)	6.71675 (16110523)	6.86949 (16091724)
3753823.1	6.90639 (15092002)	7.13320 (14042005)	7.22508 (16031023)	7.12577 (16120702)	6.97467 (16032623)
3753773.1	7.20203 (15020620)	7.13482 (14092923)	7.24406 (14040404)	7.27166 (15080906)	7.17553 (16110523)
3753723.1	7.80411 (16031307)	7.79032 (15020620)	7.66093 (16011223)	7.93516 (16031023)	7.75375 (16110523)
3753673.1	8.49904 (16050106)	8.61639 (16031307)	8.09560 (15092002)	8.09620 (15080501)	8.25706 (15080906)
3753623.1	8.93555 (15071405)	8.94663 (16050106)	8.97141 (16031307)	9.57149 (14082703)	9.15664 (15080906)
3753573.1	9.33725 (14051623)	9.81111 (15071405)	10.58983 (16050106)	10.85101 (16031307)	10.48851 (15080906)
3753523.1	10.22812 (15100519)	11.15428 (15030902)	12.07553 (15071405)	12.61716 (16031307)	11.62354 (15080501)
3753473.1	14.27411 (16032107)	12.19680 (16032107)	13.34763 (14010401)	13.82630 (16050606)	14.03957 (16031307)
3753423.1	14.89850 (16060405)	12.99794 (14121420)	14.68038 (16032107)	16.36734 (16032107)	16.99270 (16050606)
3753373.1	13.97302 (15071106)	18.69581 (15071106)	19.41300 (15071106)	17.47526 (16030624)	19.20332 (16032107)
3753323.1	20.52635 (15071306)	21.34319 (15071106)	20.29115 (15071106)	19.87118 (14072406)	22.24920 (14072406)
3753273.1	25.34904 (16050606)	25.11413 (15071306)	25.56620 (15073006)	26.21855 (15072806)	26.51626 (14071306)
3753223.1	59.93914 (16042906)	55.55124 (14071206)	52.74523 (14082105)	57.94112 (14021008)	39.76332 (16062702)
3753173.1	56.00447 (14072006)	50.28916 (16041501)	41.25727 (14050902)	43.76121 (15090622)	35.20589 (14080406)
3753123.1	27.99967 (15110407)	23.74292 (15082406)	22.64870 (16061602)	23.26365 (15113017)	23.70247 (16100921)
3753073.1	19.64523 (15082406)	16.72806 (15082406)	16.82483 (16100921)	18.71891 (15100521)	21.49691 (15040604)
3753023.1	16.15961 (15082406)	14.72964 (16100921)	15.64183 (15041004)	17.38527 (15040604)	19.23230 (15081704)
3752973.1	13.07120 (16060402)	13.58524 (15041004)	15.09159 (15071805)	16.40087 (15100302)	18.18894 (16013108)
3752923.1	14.16505 (14073105)	14.77242 (16121022)	15.76460 (14101101)	17.42729 (16062606)	17.75017 (16101404)
3752873.1	13.36988 (16121303)	14.07102 (14101101)	15.45583 (16062606)	15.85443 (16040804)	16.40443 (16111523)
3752823.1	12.47129 (14101101)	13.14425 (16062606)	13.73358 (16062606)	14.31722 (16040804)	14.41330 (14071304)
3752773.1	11.75698 (15021921)	12.44278 (16062606)	12.40354 (16040804)	13.05067 (16111523)	13.21945 (14071304)
3752723.1	11.52073 (16062606)	11.21767 (16040804)	11.37182 (16111523)	11.74162 (16011922)	12.09328 (14071304)
3752673.1	10.53585 (16062606)	10.44790 (16040804)	10.64559 (16111523)	11.02431 (14071304)	10.81149 (14071304)
3752623.1	9.83301 (16040804)	9.52683 (16111523)	9.76286 (16011922)	10.40247 (14071304)	9.43170 (15061504)
3752573.1	9.11482 (16101404)	8.91274 (16011922)	9.03786 (14071304)	9.35881 (14071304)	8.64357 (15061504)
3752523.1	8.99024 (16111523)	8.77715 (16011922)	8.52734 (14071304)	8.51027 (15061504)	8.03578 (15061504)
3752473.1	8.55911 (16011922)	8.26207 (14081702)	8.54673 (14071304)	7.64152 (15061504)	7.57551 (15103120)
3752423.1	8.12027 (16011922)	8.17142 (14071304)	8.20780 (14071304)	7.24678 (15061504)	6.34946 (15081222)
3752373.1	7.38263 (14081702)	7.19175 (14071304)	6.72320 (15061504)	6.05466 (15061504)	6.11165 (15081222)
3752323.1	7.14090 (14071304)	6.51070 (14071304)	5.44172 (15061504)	4.99185 (14020704)	5.82091 (15081222)
3752273.1	6.88379 (14071304)	5.96663 (14071304)	5.16265 (15061504)	4.43021 (15081222)	5.58147 (15081222)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 471324.27	471374.27	471424.27	471474.27	471524.27
3754223.1	3.88014 (14110221)	4.02897 (15100102)	4.26699 (14052204)	4.48159 (14042003)	4.55061 (14111405)
3754173.1	4.08407 (14110221)	4.15591 (15022001)	4.27050 (14052204)	4.42628 (14042003)	4.60880 (14111405)
3754123.1	4.33542 (16102320)	4.39329 (14041205)	4.46337 (14052204)	4.56672 (14042003)	4.75823 (14111405)
3754073.1	4.61633 (15122208)	4.67919 (14041205)	4.72488 (15100102)	4.80568 (14042003)	4.92227 (14111405)
3754023.1	4.98481 (15122208)	5.02909 (15090624)	5.08886 (15100102)	5.11567 (14042003)	5.18229 (14111405)
3753973.1	5.36467 (15083004)	5.41158 (15090624)	5.49308 (15100102)	5.50961 (14042003)	5.54321 (14111405)
3753923.1	5.87878 (15091703)	5.83682 (15090624)	5.96614 (15100102)	5.94901 (15071203)	5.97744 (14111405)
3753873.1	6.46193 (15091703)	6.28235 (15083004)	6.31854 (15100102)	6.36719 (15071204)	6.45875 (14111405)
3753823.1	6.81274 (14012523)	6.67924 (15083004)	6.80662 (15090624)	7.01218 (15071204)	7.06797 (14111405)
3753773.1	7.35052 (14012922)	7.64001 (15091703)	7.59747 (15090624)	7.76459 (16083001)	7.95491 (14040405)
3753723.1	7.89248 (16081906)	8.33355 (14012523)	8.59107 (15083004)	8.73563 (15100102)	8.99239 (14040405)
3753673.1	8.41305 (16110523)	8.87212 (16032623)	10.05515 (15091703)	9.98676 (15090624)	10.32333 (14042003)
3753623.1	9.07952 (15091703)	10.00925 (16120702)	11.84781 (16091724)	11.75106 (16102320)	11.96643 (15092504)
3753573.1	10.58623 (14012523)	12.25586 (15100102)	14.98272 (16032623)	16.26004 (15122208)	15.04337 (14052204)
3753523.1	13.32949 (16091724)	17.18182 (15022001)	18.30765 (16012308)	21.55275 (14012523)	23.37003 (14052204)
3753473.1	15.87593 (16110523)	21.88827 (15090624)	24.14163 (16012308)	26.81204 (16032623)	33.34579 (15100102)
3753423.1	19.09139 (15080501)	27.18393 (15122208)	29.53229 (14072905)	28.39504 (15071306)	48.21169 (14110221)
3753373.1	23.29788 (16050606)	34.21992 (14012523)	40.20004 (16093023)	29.85454 (15071306)	59.25667 (16042406)
3753323.1	25.20892 (14072406)	39.40461 (14102007)	44.30547 (16120708)	32.66971 (14082105)	61.16359 (14081624)
3753273.1	28.61782 (14101007)	45.11060 (15071306)	46.96538 (15073006)	33.98819 (14062001)	60.45772 (15061504)
3753223.1	31.17051 (14101007)	45.13496 (16062606)	45.76953 (15091124)	34.07853 (15101807)	62.74156 (16121108)
3753173.1	31.19648 (16100921)	46.89464 (16062606)	46.56637 (15081705)	29.43764 (16062606)	62.19863 (16122308)
3753123.1	29.77686 (15040604)	41.67493 (16121108)	39.15731 (14072602)	26.96923 (14081702)	42.96824 (15020523)
3753073.1	25.88944 (16013108)	33.75182 (16122308)	29.03697 (15081802)	25.73234 (15072406)	30.97140 (16013023)
3753023.1	21.65923 (16121204)	30.64903 (16122308)	21.33424 (14082004)	20.95320 (16121108)	22.77995 (15061604)
3752973.1	20.28207 (16121204)	27.92817 (16122308)	17.54054 (15051624)	17.51969 (16122308)	18.27555 (14120607)
3752923.1	19.30189 (16111523)	19.53950 (14032124)	17.18370 (15061504)	18.05752 (15103120)	19.36613 (15022204)
3752873.1	17.53443 (14071304)	18.96528 (15080602)	16.06991 (15022022)	15.86691 (15091702)	16.42260 (15022204)
3752823.1	14.63299 (15103120)	15.80593 (15022204)	14.69214 (15022022)	14.28416 (15091702)	14.37995 (14120607)
3752773.1	13.40955 (15103120)	13.74060 (14081601)	12.84050 (15022022)	12.75540 (14081601)	12.65635 (14120607)
3752723.1	12.06927 (15103120)	12.36159 (14081601)	11.24378 (14020724)	11.54063 (14081601)	11.17231 (14012221)
3752673.1	10.78517 (15103120)	11.16065 (14081601)	10.74543 (14081601)	10.74346 (14081601)	10.48570 (14012221)
3752623.1	9.60291 (15081222)	10.41671 (14081601)	10.40916 (14081601)	9.93271 (14081601)	9.85821 (14012221)

3752573.1 |	9.04622 (15081222)	9.73106 (14081601)	9.96921 (14081601)	9.24578 (14012221)	9.23948 (14012221)
3752523.1 |	8.60136 (15081222)	9.17057 (16081806)	9.07907 (14081601)	8.19526 (14012221)	7.92321 (16071101)
3752473.1 |	8.16851 (15081222)	8.39760 (16081806)	7.48572 (14081601)	7.03191 (14012221)	7.21211 (16071101)
3752423.1 |	6.86183 (16081806)	7.67761 (16081806)	7.10418 (14081601)	5.63357 (16071101)	4.93779 (16071101)
3752373.1 |	6.35128 (16081806)	6.46994 (16081806)	6.15589 (14081601)	4.57341 (16071101)	3.89407 (16071101)
3752323.1 |	6.46355 (16081806)	5.70098 (16081806)	5.08775 (14012221)	3.92281 (16071101)	3.77144 (16071101)
3752273.1 |	5.40283 (16081806)	4.74289 (16081806)	3.79984 (14012221)	3.85820 (16071101)	3.34260 (16071101)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	471574.27	471624.27	471674.27	471724.27	471774.27
- - -

3753023.1 |	22.31293 (16011518)	18.61410 (16010919)	15.85372 (14073103)	14.08682 (15110305)	12.73732 (14102623)
3752973.1 |	17.81894 (14082004)	15.87597 (16011604)	14.04963 (16040721)	12.71939 (14120101)	11.72576 (15110305)
3752923.1 |	15.84189 (15051624)	13.94463 (14072602)	13.15812 (14013022)	14.62275 (15093021)	13.47740 (15113017)
3752873.1 |	16.14167 (14030524)	12.52151 (14122017)	11.99693 (15081705)	13.63077 (15091124)	12.63958 (14081001)
3752823.1 |	14.44263 (14030524)	11.56526 (14122017)	11.08254 (15081705)	12.57853 (15082404)	11.87925 (16061602)
3752773.1 |	12.93806 (14030524)	12.45754 (15083104)	12.02046 (14030303)	11.69188 (16032023)	11.16913 (15091124)
3752723.1 |	11.82749 (15022022)	11.52926 (16082502)	11.34850 (15092201)	10.83367 (16032023)	10.54866 (15091124)
3752673.1 |	10.97821 (15022022)	10.86111 (16011002)	10.67327 (14030221)	10.34734 (15100522)	10.06073 (15082403)
3752623.1 |	9.98898 (15022022)	10.02389 (16011002)	9.80587 (14101805)	9.60762 (15100522)	9.36142 (16032023)
3752573.1 |	8.63135 (14012622)	8.99807 (16011002)	9.29562 (16120606)	8.92446 (15100522)	8.56422 (15100522)
3752523.1 |	7.47098 (14012622)	7.71510 (16011002)	8.62651 (16120606)	8.28782 (14030221)	8.24640 (15100522)
3752473.1 |	6.12613 (16071101)	6.78452 (14012622)	7.36059 (15030202)	7.10353 (14030221)	7.35934 (15100522)
3752423.1 |	5.40407 (16071101)	5.78570 (14012622)	6.67640 (15030202)	5.60716 (15030202)	6.17510 (15100522)
3752373.1 |	4.91894 (16071101)	4.80941 (14012622)	4.17594 (15030202)	4.65398 (15030202)	4.88618 (15100522)
3752323.1 |	4.12746 (16071101)	4.00225 (14012622)	2.91178 (14012622)	3.27349 (15030202)	2.93649 (15100522)
3752273.1 |	3.65777 (16071101)	3.64790 (14012622)	2.51548 (16032807)	2.45779 (15030202)	2.70314 (16011823)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	471824.27	471874.27	471924.27	471974.27	472024.27
3754223.1 |	4.53559 (16090205)	4.48893 (15032023)	4.45546 (15082804)	4.38735 (16040524)	4.29642 (15101705)
3754173.1 |	4.67835 (14121619)	4.62125 (14050505)	4.62714 (16040524)	4.56177 (14081206)	4.46805 (14060102)
3754123.1 |	4.88559 (14101122)	4.86247 (15082804)	4.79510 (16040524)	4.74367 (15101705)	4.67896 (14032105)
3754073.1 |	4.96084 (15032023)	5.09140 (16040524)	5.02877 (14081206)	4.93505 (16041224)	4.89012 (14083104)
3754023.1 |	5.23301 (15082804)	5.29163 (16040524)	5.22735 (14060102)	5.15813 (14083104)	5.11627 (14081603)
3753973.1 |	5.46565 (15082804)	5.40082 (14081206)	5.33556 (14032105)	5.45605 (15082006)	5.34276 (15082801)
3753923.1 |	5.77618 (16040524)	5.60930 (14060102)	5.75590 (14083104)	5.78325 (14081603)	5.60866 (15072806)
3753873.1 |	6.12335 (14081206)	5.93865 (14032105)	5.87431 (14081603)	5.74052 (15072806)	5.71177 (14070601)
3753823.1 |	6.57698 (16041224)	6.36695 (15082006)	6.11701 (15082801)	6.00449 (15072806)	5.82851 (15080404)
3753773.1 |	7.23017 (14083104)	6.83511 (15082801)	6.64612 (15072806)	6.35625 (15080404)	6.16246 (14111005)
3753723.1 |	7.90055 (14081603)	7.58769 (15072806)	7.11174 (15080404)	6.79019 (16022721)	6.54094 (14030602)
3753673.1 |	8.81632 (15072806)	8.10193 (15080404)	7.64085 (16022721)	7.68646 (14030602)	7.39386 (15020524)
3753623.1 |	9.43413 (15091003)	8.89971 (15100622)	8.43231 (16010324)	8.45225 (15020524)	7.93992 (14083101)
3753573.1 |	10.49959 (14030602)	9.76965 (15020524)	9.20414 (14083101)	9.07425 (15081005)	8.55024 (16121419)
3753523.1 |	12.24294 (14083101)	11.19541 (15081005)	9.92841 (16121419)	9.31566 (14101022)	9.39937 (15041901)

3753473.1 |	14.28558 (16121419)	12.49522 (14101022)	10.74725 (14122920)	9.59212 (15091404)	9.66253 (15091404)
3753423.1 |	15.59363 (15091404)	13.18993 (15042306)	11.52753 (14121103)	10.41992 (14021008)	9.67744 (14021008)
3753373.1 |	16.30242 (14021008)	13.44002 (14021008)	12.53268 (14053124)	11.73082 (14053124)	9.97337 (16062702)
3753323.1 |	16.28693 (16062702)	13.70812 (16062702)	13.50454 (14090605)	12.18156 (14090605)	10.45578 (14090605)
3753273.1 |	16.76644 (14073104)	14.53527 (14073104)	13.74283 (14073104)	12.23969 (14062202)	10.55099 (14062202)
3753223.1 |	16.50472 (16041324)	14.65470 (16041324)	13.30132 (16041324)	11.97777 (16041324)	10.03216 (15022103)
3753173.1 |	15.43398 (16061724)	13.89782 (15080302)	12.66233 (15080302)	11.43132 (15080302)	9.65791 (15080302)
3753123.1 |	13.79390 (14080406)	12.66753 (14080406)	11.57069 (14052604)	10.45768 (14052604)	9.79433 (14052604)
3753073.1 |	11.81836 (15011018)	10.91265 (14081303)	10.26996 (15081706)	9.75974 (14060302)	9.25742 (14060302)
3753023.1 |	11.51355 (15091022)	10.53957 (16121206)	9.87041 (15011018)	9.27647 (14102022)	8.63286 (14081303)
3752973.1 |	10.73158 (14102623)	9.92524 (14092422)	9.31503 (15071124)	8.74994 (16121206)	8.25636 (15011018)
3752923.1 |	10.09484 (15110305)	9.33688 (15082106)	8.73379 (14092422)	8.24819 (15060704)	9.92219 (14050902)
3752873.1 |	9.54012 (14120101)	8.88866 (15110305)	8.23972 (15082106)	7.81066 (14102623)	9.49690 (15101323)
3752823.1 |	11.21502 (14081001)	10.60563 (15113017)	10.23878 (14071905)	7.49032 (16011524)	9.34136 (16092203)
3752773.1 |	10.56154 (14080704)	10.17280 (14080704)	9.69231 (15113017)	7.33276 (15110305)	9.01485 (14082923)
3752723.1 |	10.30702 (15093021)	9.86364 (14080704)	9.26407 (15113017)	8.55501 (15113017)	8.86761 (14071905)
3752673.1 |	9.81468 (15091124)	9.25526 (15093021)	8.89716 (14081001)	8.48894 (15113017)	8.22328 (14071905)
3752623.1 |	9.32085 (15091124)	8.99671 (15093021)	8.36593 (14080423)	8.11014 (14081001)	8.13436 (15113017)
3752573.1 |	8.71392 (15082404)	8.63804 (15091124)	8.39167 (15093021)	8.08933 (14080704)	7.74904 (14072702)
3752523.1 |	8.02777 (15082403)	7.27525 (15091124)	7.35559 (15093021)	7.57861 (14062203)	7.60259 (14080704)
3752473.1 |	6.66383 (16032023)	4.99807 (15091124)	5.38397 (14053103)	6.36648 (14053103)	6.94729 (14062203)
3752423.1 |	5.18115 (15100522)	4.57011 (15082403)	4.70024 (14081101)	5.13511 (14053103)	6.25553 (15080424)
3752373.1 |	5.83804 (15100522)	4.23889 (16032023)	4.18482 (15091124)	4.64568 (14081101)	5.52865 (14053103)
3752323.1 |	4.78055 (15100522)	3.70792 (16032023)	3.71198 (15082403)	3.91067 (14081101)	4.78229 (14053103)
3752273.1 |	3.83304 (15100522)	3.32469 (15100522)	3.27657 (15082403)	3.48160 (15091124)	3.31731 (14053103)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD | (METERS) |	X-COORD (METERS) 472074.27	472124.27	472174.27	472224.27	472274.27
3754223.1 |	4.24084 (14032105)	4.19664 (14083104)	4.13404 (14081603)	4.01500 (16102924)	3.94196 (16092923)
3754173.1 |	4.41151 (14083104)	4.34982 (15082006)	4.23073 (16102924)	4.15855 (16092923)	4.12467 (15072806)
3754123.1 |	4.59454 (14083104)	4.51052 (14081603)	4.41870 (16092923)	4.31496 (15072806)	4.23964 (14070601)
3754073.1 |	4.80731 (14081603)	4.71390 (16102924)	4.60554 (15072806)	4.38491 (14070601)	4.22048 (15080404)
3754023.1 |	5.00077 (15082801)	4.94939 (15072806)	4.72609 (14070601)	4.48966 (15080404)	4.25467 (15092304)
3753973.1 |	5.25856 (15072806)	5.15264 (14070601)	5.03884 (15080404)	4.58983 (15092304)	4.58987 (14111005)

3753923.1 |	5.44997 (14070601)	5.23948 (15080404)	5.09867 (15092304)	4.70377 (14111005)	4.69897 (15100622)
3753873.1 |	5.48116 (15080404)	5.18881 (15092304)	5.09616 (15100622)	4.86017 (14030602)	4.73355 (14030602)
3753823.1 |	5.62830 (15092304)	5.76584 (15100622)	5.30788 (14030602)	5.07991 (16010324)	4.94597 (15020524)
3753773.1 |	6.17593 (15100622)	6.31858 (14030602)	6.19314 (15020524)	5.69242 (15090203)	5.38959 (14083101)
3753723.1 |	6.33517 (16010324)	6.59165 (15020524)	6.71937 (14083101)	6.36164 (14083101)	5.85480 (15081005)
3753673.1 |	6.65644 (16120601)	6.68269 (14083101)	6.78255 (15081005)	6.67185 (14022604)	6.33740 (14021922)
3753623.1 |	7.09311 (15081005)	6.73129 (14022604)	6.63813 (14021922)	6.67721 (14080906)	6.53991 (15041901)
3753573.1 |	7.93905 (14021922)	6.95259 (14080906)	6.60298 (15041901)	6.52220 (15081106)	6.47910 (15091404)
3753523.1 |	8.54340 (15081106)	7.55860 (15091404)	6.80659 (15091404)	6.43796 (15042306)	6.35259 (14052504)
3753473.1 |	9.16615 (15042306)	8.41717 (14052504)	7.33422 (14021008)	6.59566 (14021008)	6.18788 (14100121)
3753423.1 |	9.42515 (14100121)	9.01223 (14100121)	7.96344 (14053124)	7.16955 (14053124)	6.35514 (16062702)
3753373.1 |	9.51662 (16062702)	9.07167 (16062702)	8.25166 (15091405)	7.44583 (15091405)	6.58556 (14090605)
3753323.1 |	9.55609 (14090605)	8.92663 (14090605)	8.34508 (14062301)	7.46294 (14111423)	6.63814 (14073104)
3753273.1 |	9.42121 (16050805)	8.77490 (16050805)	8.12044 (16050805)	7.23130 (16050805)	6.52204 (16050805)
3753223.1 |	9.12067 (14072202)	8.30116 (14072202)	7.60889 (14072202)	6.90991 (14072202)	6.71992 (14072202)
3753173.1 |	9.02883 (15080302)	8.10432 (15080302)	7.38226 (15080302)	6.92193 (16011618)	6.66258 (16011618)
3753123.1 |	9.09979 (14052604)	8.22760 (16061724)	7.23743 (16061724)	6.88412 (16061724)	6.61541 (16061724)
3753073.1 |	8.64513 (15080304)	7.90714 (15083024)	7.19241 (14052604)	6.86148 (14073101)	6.48374 (14073101)
3753023.1 |	8.15258 (15081706)	7.65402 (15081706)	7.36871 (14060302)	6.80868 (14060302)	6.24397 (15060801)
3752973.1 |	7.90747 (14102022)	7.53778 (14081303)	7.11041 (14062505)	6.56937 (15081706)	6.09476 (15081706)
3752923.1 |	7.43027 (15082624)	7.11013 (16121206)	6.80449 (14102022)	6.25099 (14102022)	5.88800 (14081303)
3752873.1 |	9.08940 (16032702)	6.78517 (16010318)	6.44039 (16121206)	6.08879 (15011018)	5.81536 (14102022)
3752823.1 |	8.62075 (15081903)	6.42561 (16040722)	6.18205 (15071124)	5.95417 (16121206)	5.64366 (16121206)
3752773.1 |	8.18926 (15030101)	6.16181 (14092422)	5.92220 (15060704)	5.72114 (15071124)	5.48070 (14062805)
3752723.1 |	8.09518 (14082923)	6.05848 (15030101)	5.83950 (14102623)	5.47933 (15091022)	5.29560 (15071124)
3752673.1 |	8.25885 (14071905)	7.92912 (14082923)	7.24914 (15030101)	6.12217 (14102623)	5.34742 (15081801)
3752623.1 |	7.73612 (14071905)	7.64226 (14071905)	7.29146 (14082923)	6.70114 (15030101)	6.20982 (15102121)
3752573.1 |	7.55714 (15113017)	6.87033 (14071905)	5.93377 (15101506)	4.94452 (16011524)	4.70313 (14102623)
3752523.1 |	7.36086 (14111824)	7.10480 (15113017)	6.75010 (14071905)	6.05225 (16040803)	4.54290 (15082106)
3752473.1 |	7.00335 (14072702)	6.86928 (14111824)	6.60945 (15113017)	6.49094 (14071905)	6.00395 (14071905)
3752423.1 |	6.58737 (15042223)	6.68493 (14072702)	6.53961 (15113017)	6.21385 (15113017)	6.15657 (14071905)
3752373.1 |	6.36804 (14062203)	6.53774 (14080704)	6.30177 (14072702)	6.21472 (15113017)	5.83562 (15113017)
3752323.1 |	5.57045 (15080424)	5.88340 (14062203)	6.08405 (15042223)	5.93310 (14111824)	5.82553 (15113017)
3752273.1 |	3.86650 (15080424)	4.95167 (15080424)	5.39240 (15080424)	5.59862 (14061703)	5.64827 (14111824)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

- - - -

3753173.1 |	1.23160 (14121424)	1.25738 (14121424)	1.15704 (14121424)	0.97979 (16122824)	1.08149 (16122824)
3753123.1 |	1.22608 (14010624)	1.35353 (14010624)	1.44235 (14010624)	1.33460 (14010624)	1.32781 (14010624)
3753073.1 |	1.40307 (14010624)	1.53147 (14010624)	1.68145 (14010624)	1.78535 (14010624)	1.87698 (14010624)
3753023.1 |	1.34502 (14010624)	1.42602 (14010624)	1.50696 (16012024)	1.70987 (16012024)	1.91812 (16012024)
3752973.1 |	1.35500 (16012024)	1.51973 (16012024)	1.67946 (16012024)	1.84901 (16012024)	2.06614 (14010424)
3752923.1 |	1.40197 (16012024)	1.53350 (14010424)	1.66249 (14010424)	1.86732 (14010424)	2.14969 (14010424)
3752873.1 |	1.38652 (14010424)	1.50826 (14010424)	1.63319 (14010424)	1.86562 (14010424)	2.03788 (14010424)
3752823.1 |	1.39740 (14010424)	1.48140 (14010424)	1.58958 (14010424)	1.68029 (14010424)	1.74700 (14010424)
3752773.1 |	1.38272 (14010424)	1.42039 (14010424)	1.43032 (14010424)	1.40732 (14010424)	1.39505 (14010424)
3752723.1 |	1.24955 (14010424)	1.23648 (14010424)	1.19669 (14010424)	1.13167 (14010424)	1.22453 (14012024)
3752673.1 |	0.99722 (14010424)	1.01223 (14010424)	1.01845 (14012024)	1.14178 (14012024)	1.23931 (14012024)
3752623.1 |	0.81739 (14012024)	0.94099 (14012024)	1.03529 (14012024)	1.10738 (14012024)	1.17860 (14012024)
3752573.1 |	0.82240 (14012024)	0.89157 (14012024)	0.94563 (14012024)	1.05395 (14012024)	1.07603 (14012024)
3752523.1 |	0.80692 (14012024)	0.84501 (14012024)	0.86891 (14012024)	0.89861 (14012024)	0.95377 (14012024)
3752473.1 |	0.77841 (14012024)	0.79370 (14012024)	0.79494 (14012024)	0.78554 (14012024)	0.87513 (15112624)
3752423.1 |	0.73913 (14012024)	0.73699 (14012024)	0.72514 (16102424)	0.75579 (15112624)	0.80146 (15112624)
3752373.1 |	0.67643 (14012024)	0.67682 (16102424)	0.69365 (15112624)	0.72111 (15112624)	0.74698 (15112624)
3752323.1 |	0.62380 (16102424)	0.63697 (15112624)	0.66291 (15112624)	0.72401 (14120224)	0.73974 (14120224)
3752273.1 |	0.58383 (15112624)	0.63229 (15112624)	0.63487 (15112624)	0.68842 (14120224)	0.69048 (14120224)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	470574.27	470624.27	470674.27	470724.27	470774.27
3754223.1 |	0.52475 (15100224)	0.52979 (15100224)	0.54419 (15100224)	0.53876 (15100224)	0.52663 (15100224)
3754173.1 |	0.56233 (15030924)	0.55052 (15100224)	0.57991 (15100224)	0.58542 (15100224)	0.57575 (15100224)
3754123.1 |	0.62521 (15030924)	0.61659 (15030924)	0.59991 (15100224)	0.62506 (15100224)	0.61829 (15100224)
3754073.1 |	0.72236 (15030924)	0.68803 (15030924)	0.69309 (15030924)	0.64220 (15030924)	0.66453 (15100224)
3754023.1 |	0.77006 (15030924)	0.77768 (15030924)	0.74610 (15030924)	0.73255 (15030924)	0.72717 (15030924)
3753973.1 |	0.80828 (15030924)	0.82094 (15030924)	0.81519 (15030924)	0.82480 (15030924)	0.83134 (15030924)
3753923.1 |	0.87676 (15092924)	0.85976 (15092924)	0.87816 (15030924)	0.90542 (15030924)	0.92055 (15030924)
3753873.1 |	1.02390 (15092924)	0.99954 (15092924)	0.99057 (15092924)	0.99395 (15092924)	0.98696 (15030924)
3753823.1 |	1.27303 (15092924)	1.15528 (15092924)	1.14568 (15092924)	1.17355 (15092924)	1.11892 (15092924)
3753773.1 |	1.32044 (15092924)	1.23617 (15092924)	1.28548 (15092924)	1.34993 (15092924)	1.33668 (15092924)
3753723.1 |	1.35077 (15092924)	1.36490 (15092924)	1.40350 (15092924)	1.47929 (15092924)	1.53725 (15092924)
3753673.1 |	1.33043 (15092924)	1.44735 (15092924)	1.42507 (15092924)	1.54700 (15092924)	1.67449 (15092924)

3753623.1 |	1.29746 (15092924)	1.41704 (15092924)	1.51759 (15092924)	1.57053 (15092924)	1.74245 (15092924)
3753573.1 |	1.39485 (15092924)	1.46844 (15092924)	1.48169 (15092924)	1.59093 (15092924)	1.77863 (15092924)
3753523.1 |	1.50706 (15092924)	1.61068 (15092924)	1.66454 (15092924)	1.72735 (15092924)	1.85746 (15092924)
3753473.1 |	1.47624 (16092324)	1.64535 (15092924)	1.85789 (15092924)	1.95876 (15092924)	1.99125 (15092924)
3753423.1 |	1.66559m(14041424)	1.73799m(14041424)	1.85554 (16092324)	2.12007 (15092924)	2.29102 (15092924)
3753373.1 |	1.66882m(14041424)	1.98088m(14041424)	2.15324m(14041424)	2.20963 (16092324)	2.25454 (15092924)
3753323.1 |	1.69814 (14072424)	1.92274 (14072424)	2.11935 (14072424)	2.36382m(14041424)	2.70856m(14041424)
3753273.1 |	1.48730 (14072424)	1.93647 (14072424)	2.23491 (14072424)	2.51513 (14072424)	2.86571 (14072424)
3753223.1 |	1.59639 (14121424)	1.85533 (14121424)	2.17867 (14121424)	2.52120 (14121424)	2.90587 (14121424)
3753173.1 |	1.34373 (16122824)	1.74218 (16112324)	2.14586 (16112324)	2.58936 (16112324)	3.05888 (16112324)
3753123.1 |	1.76839 (14010624)	2.25476 (14010624)	2.55637 (14010624)	2.94798 (14010624)	3.31450 (14010624)
3753073.1 |	1.94660 (14010624)	2.05663 (14010624)	2.38643 (16012024)	2.78675 (16012024)	3.36222 (14010424)
3753023.1 |	2.15352 (16012024)	2.40481 (16012024)	2.79142 (14010424)	3.11116 (14010424)	3.36042 (14010424)
3752973.1 |	2.33386 (14010424)	2.59493 (14010424)	2.81940 (14010424)	2.82434 (14010424)	2.71152 (14010424)
3752923.1 |	2.32282 (14010424)	2.40623 (14010424)	2.35942 (14010424)	2.21784 (14010424)	2.28195m(16123124)
3752873.1 |	2.03757 (14010424)	1.94796 (14010424)	1.83348 (14010424)	1.95443 (14012024)	2.05673m(16123124)
3752823.1 |	1.64809 (14010424)	1.57821m(16123124)	1.73537 (14012024)	1.81466 (14012024)	1.84670m(16123124)
3752773.1 |	1.42770 (14012024)	1.55505 (14012024)	1.62161 (14012024)	1.63067 (14012024)	1.61039m(16123124)
3752723.1 |	1.37149 (14012024)	1.45603 (14012024)	1.47314 (14012024)	1.45158 (14012024)	1.50827 (15112624)
3752673.1 |	1.31906 (14012024)	1.32953 (14012024)	1.31205 (14012024)	1.36351 (15112624)	1.38691 (15112624)
3752623.1 |	1.20422 (14012024)	1.18150 (14012024)	1.20682 (15112624)	1.25904 (15112624)	1.24246 (15112624)
3752573.1 |	1.07222 (14012024)	1.07604 (15112624)	1.12346 (15112624)	1.13698 (15112624)	1.10321 (15112624)
3752523.1 |	0.97912 (15112624)	0.99948 (15112624)	1.00912 (15112624)	1.01342 (15112624)	0.96356 (15112624)
3752473.1 |	0.90915 (15112624)	0.92106 (15112624)	0.91797 (15112624)	0.89492 (15112624)	0.84588 (15112624)
3752423.1 |	0.83691 (15112624)	0.85305 (15112624)	0.83294 (15112624)	0.79124 (15112624)	0.73744 (15112624)
3752373.1 |	0.75800 (15112624)	0.76174 (15112624)	0.73870 (15112624)	0.68878 (15112624)	0.67434 (16123024)
3752323.1 |	0.72604 (14120224)	0.68672 (15112624)	0.64918 (15112624)	0.62122 (16012024)	0.66198 (16123024)
3752273.1 |	0.66311 (14120224)	0.61253 (15112624)	0.58430 (16012024)	0.60309 (16123024)	0.62776 (16123024)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	470824.27	470874.27	470924.27	470974.27	471024.27
- - -

3754073.1 |	0.70263 (15010924)	0.68925 (15010924)	0.67257 (15010924)	0.70360 (15011124)	0.75147 (15011124)
3754023.1 |	0.76616 (15010924)	0.79527 (15010924)	0.82620 (15010924)	0.78580 (15010924)	0.77044 (15011124)
3753973.1 |	0.80323 (15030924)	0.86309 (15010924)	0.91726 (15010924)	0.95086 (15010924)	0.88760 (15010924)
3753923.1 |	0.90202 (15030924)	0.86953 (15010924)	0.94619 (15010924)	1.00333 (15010924)	1.04916 (15010924)
3753873.1 |	0.98727 (15030924)	0.97704 (15030924)	0.96140 (15010924)	1.12705 (15010924)	1.23397 (15010924)
3753823.1 |	1.08251 (15092924)	1.10238 (15030924)	1.05199 (15030924)	1.16832 (15010924)	1.37411 (15010924)
3753773.1 |	1.35906 (15092924)	1.25669 (15092924)	1.19929 (15030924)	1.22542 (15030924)	1.46601 (15010924)
3753723.1 |	1.57722 (15092924)	1.53016 (15092924)	1.39033 (15092924)	1.36250 (15030924)	1.52729 (15010924)
3753673.1 |	1.78328 (15092924)	1.78402 (15092924)	1.68092 (15092924)	1.63410 (15092924)	1.63835 (15092924)
3753623.1 |	1.90702 (15092924)	2.01844 (15092924)	2.02757 (15092924)	2.00354 (15092924)	1.98886 (15092924)
3753573.1 |	2.01604 (15092924)	2.16970 (15092924)	2.30430 (15092924)	2.34493 (15092924)	2.30455 (15092924)
3753523.1 |	2.08797 (15092924)	2.22745 (15092924)	2.81657 (15092924)	2.98737 (15092924)	2.94662 (15092924)
3753473.1 |	2.18278 (15030924)	2.37102 (16092324)	2.53433 (15092924)	2.83834 (15092924)	3.10341 (15092924)
3753423.1 |	2.35961 (15092924)	2.58529 (15030924)	2.69039 (15030924)	2.91832 (15092924)	3.31184 (15092924)
3753373.1 |	2.76236 (15092924)	2.98503 (15092924)	3.23548 (15030924)	3.78180 (15030924)	3.68534 (15092924)
3753323.1 |	2.92106m(14041424)	3.25222 (15092924)	4.27835 (15092924)	5.03618 (15092924)	5.15825 (15092924)
3753273.1 |	3.27692 (14072424)	3.74131m(14041424)	4.68293m(14041424)	5.93743 (15092924)	8.16271 (15092924)
3753223.1 |	3.42795 (14121424)	4.06476 (14072424)	5.14980 (14072424)	7.18471 (14072424)	10.65554 (16010224)
3753173.1 |	3.73667 (14010624)	4.74941 (14010624)	6.50499 (14010624)	10.23547 (14010624)	15.91743 (16012024)
3753123.1 |	3.87828 (16012024)	4.96606 (16012024)	6.18503 (14010424)	6.98249m(16123124)	8.82498m(16123124)
3753073.1 |	4.15600 (14010424)	4.50472 (14010424)	4.62829m(16123124)	5.30558m(16123124)	5.58655m(16123124)
3753023.1 |	3.36983 (14010424)	3.41101m(16123124)	3.68790m(16123124)	3.84460m(16123124)	4.12592 (14020624)
3752973.1 |	2.75227m(16123124)	2.92736m(16123124)	3.01154m(16123124)	3.05166m(16123124)	3.22619 (14020624)
3752923.1 |	2.45226m(16123124)	2.54211m(16123124)	2.49766m(16123124)	2.53844 (16011924)	2.68273 (16011924)
3752873.1 |	2.14405m(16123124)	2.15292m(16123124)	2.05570m(16123124)	2.12470 (16011924)	2.22793 (14080324)
3752823.1 |	1.85961m(16123124)	1.82865 (15112624)	1.77318 (15112624)	1.78505 (16011924)	1.90484 (14080324)
3752773.1 |	1.65588 (15112624)	1.63449 (15112624)	1.56583 (15112624)	1.56753 (14080324)	1.63435 (14080324)
3752723.1 |	1.49925 (15112624)	1.44149 (15112624)	1.37477 (15112624)	1.40127m(15020724)	1.37650 (14080324)
3752673.1 |	1.34473 (15112624)	1.27420 (15112624)	1.22517m(15020724)	1.24397m(15020724)	1.13856 (14080324)
3752623.1 |	1.18764 (15112624)	1.11742 (15112624)	1.11613m(15020724)	1.08113m(15020724)	0.95266 (14020624)
3752573.1 |	1.03752 (15112624)	0.97109 (15112624)	0.97468m(15020724)	0.90383 (14020624)	0.85172 (15052324)
3752523.1 |	0.90159 (15112624)	0.86627m(15020724)	0.83481m(15020724)	0.78963 (15052324)	0.78890 (15052324)
3752473.1 |	0.78705 (15112624)	0.78846 (16123024)	0.73227 (15052324)	0.74962 (15052324)	0.71176 (15052324)
3752423.1 |	0.74232 (16123024)	0.73977 (16123024)	0.69527 (15052324)	0.68182 (15052324)	0.64730m(15020724)
3752373.1 |	0.70868 (16123024)	0.65962 (16123024)	0.66564 (15052324)	0.63179 (15052324)	0.64498m(15020724)
3752323.1 |	0.65954 (16123024)	0.63922 (15052324)	0.65038 (15052324)	0.61303 (16121224)	0.67732m(15020724)
3752273.1 |	0.59761 (16123024)	0.61783 (15052324)	0.60808 (15052324)	0.56463 (16121224)	0.68305m(15020724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 471074.27	471124.27	471174.27	471224.27	471274.27
3754223.1	0.52217 (14090924)	0.50511 (15041124)	0.50779 (15041124)	0.48971 (15041124)	0.49570m(16081424)
3754173.1	0.59887 (14102024)	0.55975 (14090924)	0.55418 (15041124)	0.53729 (15041124)	0.53576m(16081424)
3754123.1	0.67957 (14102024)	0.61185b(14012924)	0.59027 (15041124)	0.59127 (15041124)	0.58300m(16081424)
3754073.1	0.73946 (14102024)	0.68815b(14012924)	0.63718 (15041124)	0.63979 (15041124)	0.63100m(16081424)
3754023.1	0.80698 (15011124)	0.76667b(14012924)	0.72244b(14012924)	0.71942 (15041124)	0.68758 (15041124)
3753973.1	0.87709 (14102724)	0.92971b(14012924)	0.88913b(14012924)	0.77450 (15041124)	0.77427 (15041124)
3753923.1	0.99705 (15010924)	1.00972b(14012924)	1.04196b(14012924)	0.90999b(14012924)	0.89779 (15041124)
3753873.1	1.22160 (15010924)	1.10614 (15010924)	1.09805b(14012924)	1.07892b(14012924)	1.05476 (15021824)
3753823.1	1.43430 (15010924)	1.36552 (15010924)	1.23837 (14102724)	1.20534 (15021824)	1.17627 (15021824)
3753773.1	1.57232 (15010924)	1.49259 (15010924)	1.32235 (14102724)	1.31065 (14102724)	1.31558 (15021824)
3753723.1	1.71636 (15010924)	1.72553 (15010924)	1.54038 (15010924)	1.51853 (14102724)	1.52778 (15021824)
3753673.1	1.86383 (15010924)	1.94167 (15010924)	1.73059 (15010924)	1.61790 (14102724)	1.72264 (14102724)
3753623.1	1.92265 (15092924)	2.02361 (15010924)	1.95541 (15010924)	1.95445 (14102724)	1.96127 (14102724)
3753573.1	2.23802 (15092924)	2.28662 (15092924)	2.41818 (15092924)	2.43893 (15092924)	2.25379 (14102724)
3753523.1	2.67793 (15092924)	2.79639 (15092924)	3.01940 (15092924)	3.16970 (15092924)	2.92385 (15092924)
3753473.1	3.27867 (15092924)	3.21302 (15092924)	3.54155 (15092924)	3.76183 (15092924)	3.86160 (15092924)
3753423.1	3.45323 (15092924)	3.54278 (15092924)	4.01293 (15092924)	4.72116 (15092924)	5.04112 (15092924)
3753373.1	4.03519 (15011124)	4.16597 (16120724)	4.26825 (16120724)	4.96701 (15092924)	6.00315 (15092924)
3753323.1	5.12865 (15011124)	5.72266 (15011124)	5.59442 (15011124)	5.51611 (16120724)	6.54921 (14010424)
3753273.1	8.40856 (15092924)	8.85384 (15011124)	9.28563 (15011124)	7.65450 (15011124)	9.03441 (14010424)
3753223.1	19.63058 (15092924)	21.25368 (15092924)	20.80254 (15011124)	17.88199 (14092124)	11.46586 (14092124)
3753173.1	20.24163 (16012024)	20.57932 (16011924)	19.21569 (16011924)	18.97658b(16120624)	11.61750b(16120624)
3753123.1	9.10840 (14020624)	9.12607 (16011924)	8.89572 (16011924)	8.44518 (16011924)	8.34096 (16011924)
3753073.1	5.77268 (14020624)	5.62910 (16011924)	6.08470 (16011924)	6.42877 (16011924)	6.86730 (16011924)
3753023.1	4.14538 (14020624)	4.15950 (16011924)	4.52582 (16011924)	4.99890 (16011924)	5.59723 (16011924)
3752973.1	3.28732 (14080324)	3.44810 (14080324)	3.63687 (14080324)	3.93417 (16011924)	4.45806 (16011924)
3752923.1	2.84669 (14080324)	3.05035 (14080324)	3.04192 (14080324)	2.93053 (16011924)	3.45280 (16011924)
3752873.1	2.38350 (14080324)	2.41128 (14080324)	2.30333 (14080324)	2.19464 (16011524)	2.36133 (16011924)
3752823.1	1.93316 (14080324)	1.83971 (14080324)	1.66347 (15022224)	1.59348 (14120624)	1.70957 (16011924)
3752773.1	1.57794 (14080324)	1.38756 (16011524)	1.44430 (15022224)	1.35660m(15020724)	1.39523m(15020724)
3752723.1	1.24554 (14080324)	1.13225 (15022224)	1.28156 (15022224)	1.19198m(15020724)	1.25636m(15020724)
3752673.1	0.99651 (14020624)	0.99508 (15022224)	1.12402 (15022224)	1.08807m(15020724)	1.14668m(15020724)
3752623.1	0.85441 (15052324)	0.90451m(15020724)	0.98490m(15020724)	0.99966m(15020724)	1.02548m(15020724)
3752573.1	0.78844m(15020724)	0.87793m(15020724)	0.92596m(15020724)	0.89974m(15020724)	0.95272m(15020724)
3752523.1	0.79050m(15020724)	0.88222m(15020724)	0.84542m(15020724)	0.83852m(15020724)	0.88718m(15020724)
3752473.1	0.79051m(15020724)	0.87554m(15020724)	0.83538m(15020724)	0.75333m(15020724)	0.79471m(15020724)
3752423.1	0.78359m(15020724)	0.85354m(15020724)	0.81141m(15020724)	0.70933m(15020724)	0.60890m(15020724)
3752373.1	0.77123m(15020724)	0.74403m(15020724)	0.67677m(15020724)	0.60118m(15020724)	0.51896m(15020724)
3752323.1	0.77061m(15020724)	0.67751m(15020724)	0.55189m(15020724)	0.49414m(15020724)	0.47426 (15022224)
3752273.1	0.73381m(15020724)	0.63082m(15020724)	0.50978m(15020724)	0.42597 (15022224)	0.45377 (15022224)

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

INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 471324.27	471374.27	471424.27	471474.27	471524.27
3754223.1	0.50566 (15110324)	0.53754 (15022024)	0.54257 (15022024)	0.59202 (14040424)	0.65474 (14040424)
3754173.1	0.53744 (15110324)	0.55550 (15022024)	0.55162 (15022024)	0.59277 (14040424)	0.67109 (14040424)
3754123.1	0.57803m(16081424)	0.59012 (15022024)	0.58667 (15022024)	0.61905 (14040424)	0.70002 (14040424)
3754073.1	0.63785m(16081424)	0.63098 (15022024)	0.63316 (15022024)	0.65916 (14040424)	0.73009 (14040424)
3754023.1	0.70620m(16081424)	0.67971 (15022024)	0.69335 (15022024)	0.71016 (14040424)	0.77332 (14040424)
3753973.1	0.77908m(16081424)	0.75319m(16081424)	0.76251 (15022024)	0.77486 (14040424)	0.83169 (14040424)
3753923.1	0.87078m(16081424)	0.85039m(16081424)	0.84635 (15022024)	0.84654 (14040424)	0.90157 (14040424)
3753873.1	0.98292 (15041124)	0.94730m(16081424)	0.91535 (15022024)	0.91069 (14040424)	0.97860 (14040424)
3753823.1	1.07790 (15041124)	1.02752m(16081424)	1.01834 (15110324)	1.03608 (15022024)	1.07929 (14040424)
3753773.1	1.25759 (15021824)	1.22405 (15041124)	1.19122m(16081424)	1.21505 (15022024)	1.22901 (14040424)
3753723.1	1.50438 (14102724)	1.40252 (14101224)	1.42892m(16081424)	1.43410 (15022024)	1.40377 (14040424)
3753673.1	1.80106 (14102724)	1.71267 (14102724)	1.75863 (14101224)	1.73801m(16081424)	1.65072 (15022024)
3753623.1	2.08565 (14102724)	2.23100 (14102724)	2.17846 (14102724)	2.22921m(16081424)	2.04521 (15022024)
3753573.1	2.41637 (14102724)	3.07402 (15010924)	3.22185 (14102724)	3.17589m(16081424)	2.73448 (15022024)
3753523.1	3.07027 (14102024)	4.53541 (15010924)	4.57686 (14102724)	4.44717 (14102724)	4.36153 (15022024)
3753473.1	4.12769 (15092924)	5.46849 (15010924)	6.07773 (14102724)	6.83610 (14102724)	6.45307 (15022024)
3753423.1	5.48383 (15092924)	6.61125 (15010924)	7.84297 (14102724)	8.83206 (15011124)	10.32681 (15022024)
3753373.1	7.70388 (15092924)	9.77730 (15011124)	9.68015 (14102724)	11.53916 (15011124)	21.81349 (14020624)
3753323.1	8.79095 (15092924)	16.45226 (16121324)	15.76188b(16120624)	13.61491 (16121324)	25.71630 (14020624)
3753273.1	11.86523 (14010424)	21.55067 (16121324)	21.39033b(16120624)	14.23912 (16121324)	26.13380 (14020624)
3753223.1	12.62024 (16012024)	20.53564 (16012024)	22.31099b(16120624)	15.32446b(16120624)	24.42250 (14020624)
3753173.1	12.55294 (16012024)	19.18321 (16012024)	20.14848b(16120624)	13.40965 (16011924)	18.97490m(15020724)
3753123.1	8.96398 (14120324)	11.02947 (14020624)	10.50216 (15022224)	9.49506 (16011924)	9.45804 (15022224)
3753073.1	7.18338 (16011924)	9.84446 (14020624)	8.86807 (15022224)	7.45655 (16011924)	7.26380b(16120624)
3753023.1	6.22649 (16011924)	7.89980 (14020624)	6.43771 (15022224)	4.95327b(16120624)	5.15673 (15022224)
3752973.1	4.96775 (16011924)	6.35356m(15020724)	5.06813 (15022224)	3.95538 (15022224)	4.12446 (15022224)
3752923.1	3.44888 (16011924)	3.55881m(15020724)	3.72158 (15022224)	3.12978 (15022224)	3.44243 (15022224)
3752873.1	2.37145 (16011924)	2.60094m(15020724)	3.12126 (15022224)	2.73693 (15022224)	2.90100 (15022224)
3752823.1	1.90401m(15020724)	2.06181m(15020724)	2.60076 (15022224)	2.44329 (15022224)	2.47355 (15022224)
3752773.1	1.70099m(15020724)	1.73184m(15020724)	2.13287 (15022224)	2.13417 (15022224)	2.01917 (15022224)
3752723.1	1.52599m(15020724)	1.43006m(15020724)	1.81492 (15022224)	1.87442 (15022224)	1.72969 (15022224)
3752673.1	1.34825m(15020724)	1.14352m(15020724)	1.66534 (15022224)	1.76556 (15022224)	1.64087 (15022224)
3752623.1	1.10811m(15020724)	1.00092 (15022224)	1.52269 (15022224)	1.64731 (15022224)	1.54693 (15022224)
3752573.1	0.94683m(15020724)	0.91613 (15022224)	1.39387 (15022224)	1.51350 (15022224)	1.44944 (15022224)
3752523.1	0.80156m(15020724)	0.84487 (15022224)	1.21296 (15022224)	1.29108 (15022224)	1.12773 (15022224)

3752473.1 |	0.67300m(15020724)	0.73480 (15022224)	0.95919 (15022224)	1.08574 (15022224)	0.98647 (15022224)
3752423.1 |	0.48991m(15020724)	0.64456 (15022224)	0.88029 (15022224)	0.84052 (15022224)	0.62726 (15022224)
3752373.1 |	0.44816 (15022224)	0.50296 (15022224)	0.74286 (15022224)	0.67244 (15022224)	0.51624 (15022224)
3752323.1 |	0.46933 (15022224)	0.43542 (15022224)	0.59250 (15022224)	0.58172 (15022224)	0.50437 (15022224)
3752273.1 |	0.38876 (15022224)	0.35712 (15022224)	0.43144 (15022224)	0.55133 (15022224)	0.45908 (15022224)

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD | (METERS) |	X-COORD (METERS) 471574.27	471624.27	471674.27	471724.27	471774.27
3754223.1 |	0.67268 (14040424)	0.61905 (14040424)	0.52905 (14040424)	0.45847 (15031924)	0.50646 (15031924)
3754173.1 |	0.69035 (14040424)	0.65177 (14040424)	0.55050 (14040424)	0.49525 (15031924)	0.54743 (15031924)
3754123.1 |	0.71956 (14040424)	0.66187 (14040424)	0.56781 (14040424)	0.53927 (15031924)	0.59316 (15031924)
3754073.1 |	0.73599 (14040424)	0.66913 (14040424)	0.55950 (14040424)	0.58028 (15031924)	0.62787 (15031924)
3754023.1 |	0.76398 (14040424)	0.68477 (14040424)	0.57424 (14102724)	0.62769 (15031924)	0.67847 (15031924)
3753973.1 |	0.81578 (14040424)	0.71794 (14040424)	0.63015 (15031924)	0.70303 (15031924)	0.74636 (15031924)
3753923.1 |	0.88146 (14040424)	0.76316 (14040424)	0.71110 (15031924)	0.78869 (15031924)	0.81984 (15031924)
3753873.1 |	0.96052 (14040424)	0.81880 (14040424)	0.82510 (15031924)	0.90402 (15031924)	0.90782 (15031924)
3753823.1 |	1.06134 (14040424)	0.88834 (14040424)	0.96711 (15031924)	1.03577 (15031924)	1.03341 (15031924)
3753773.1 |	1.20077 (14040424)	1.01303 (14102724)	1.14043 (15031924)	1.18385 (15031924)	1.12400 (15031924)
3753723.1 |	1.38685 (14040424)	1.22919 (15031924)	1.37658 (15031924)	1.34911 (15031924)	1.22625 (15031924)
3753673.1 |	1.59770 (14040424)	1.55290 (15031924)	1.68679 (15031924)	1.56426 (15031924)	1.33542 (15031924)
3753623.1 |	1.87736 (14040424)	2.00621 (15031924)	2.09072 (15031924)	1.84941 (15031924)	1.49863 (15031924)
3753573.1 |	2.44058 (14040424)	2.78711 (15031924)	2.81724 (15031924)	2.27912 (15031924)	1.76531 (15031924)
3753523.1 |	3.26530 (15031924)	3.88961 (15031924)	3.48082 (15031924)	2.85802 (15031924)	2.13229 (15031924)
3753473.1 |	5.56956 (15031924)	5.15553 (15031924)	4.10541 (15031924)	3.01608 (15031924)	2.40319 (15031924)
3753423.1 |	9.93114 (15031924)	6.79071 (15031924)	4.67049 (15031924)	3.52549 (15072824)	3.06080 (14100924)
3753373.1 |	13.41565 (14092124)	8.26119 (14092124)	6.13938 (14092124)	4.86283 (14092124)	4.19494 (14092124)
3753323.1 |	16.62246b(16120624)	10.26771 (14100924)	7.68149 (14100924)	6.31269 (15101824)	5.31353 (15101824)
3753273.1 |	19.03751b(16120624)	11.10975 (15101824)	8.57952 (15101824)	7.02111 (15101824)	5.90929 (15101824)
3753223.1 |	20.19422b(16120624)	11.95939b(16120624)	8.33028 (15101824)	6.64027 (15101824)	5.50510 (15101824)
3753173.1 |	18.29105b(16120624)	11.46201b(16120624)	8.07745b(16120624)	6.24458 (16071324)	5.31358 (16071324)
3753123.1 |	11.10113b(16120624)	8.72632b(16120624)	6.89256b(16120624)	5.49037b(16120624)	4.45083 (16071324)
3753073.1 |	7.23564b(16120624)	6.61907b(16120624)	5.52324b(16120624)	4.67960b(16120624)	3.90299b(16120624)
3753023.1 |	5.36671 (15022224)	4.96365b(16120624)	4.57110b(16120624)	4.01713b(16120624)	3.49150b(16120624)
3752973.1 |	4.24403 (15022224)	3.87546b(16120624)	3.68205b(16120624)	3.39184b(16120624)	3.06218b(16120624)

3752923.1 |	3.53614 (15022224)	3.01346b(16120624)	2.96767b(16120624)	2.84551b(16120624)	2.69426b(16120624)
3752873.1 |	3.17607 (15022224)	2.27966b(16120624)	2.34533b(16120624)	2.30272b(16120624)	2.28770b(16120624)
3752823.1 |	2.72734 (15022224)	1.94385 (15022224)	1.84215b(16120624)	1.85739b(16120624)	1.85840b(16120624)
3752773.1 |	2.34209 (15022224)	1.83155 (15022224)	1.52430b(16120624)	1.50293 (16013024)	1.48839 (16013024)
3752723.1 |	2.01295 (15022224)	1.68053 (15022224)	1.33798b(16120624)	1.30494 (16010924)	1.27997 (16013024)
3752673.1 |	1.80616 (15022224)	1.51939 (15022224)	1.25051b(16120624)	1.19751 (16010924)	1.14384 (16010924)
3752623.1 |	1.56615 (15022224)	1.38284 (15022224)	1.17735b(16120624)	1.07581 (16010924)	1.07970 (16010924)
3752573.1 |	1.30594 (15022224)	1.25649 (15022224)	1.13246b(16120624)	1.00287b(16120624)	1.00426 (16010924)
3752523.1 |	1.01009 (15022224)	1.10422 (15022224)	1.03133b(16120624)	0.98294b(16120624)	0.92584 (16010924)
3752473.1 |	0.77283 (15022224)	0.97524 (15022224)	0.85251b(16120624)	0.87299b(16120624)	0.79275 (16010924)
3752423.1 |	0.65408 (15022224)	0.78469 (15022224)	0.71478b(16120624)	0.69216b(16120624)	0.69688b(16120624)
3752373.1 |	0.57933 (15022224)	0.63349 (15022224)	0.50011 (15022224)	0.54400b(16120624)	0.58744b(16120624)
3752323.1 |	0.48214 (15022224)	0.52494 (15022224)	0.40496 (15022224)	0.37149 (16043024)	0.39153b(16120624)
3752273.1 |	0.42975 (15022224)	0.46314 (15022224)	0.34604 (15022224)	0.30772 (16043024)	0.35611 (16043024)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD | (METERS) |	X-COORD (METERS) 471824.27	471874.27	471924.27	471974.27	472024.27
3754223.1 |	0.53717 (15031924)	0.55717 (15031924)	0.55315 (15031924)	0.52466 (15031924)	0.49153 (16083024)
3754173.1 |	0.57658 (15031924)	0.58773 (15031924)	0.57827 (15031924)	0.53816 (15031924)	0.54692 (16083024)
3754123.1 |	0.62208 (15031924)	0.62680 (15031924)	0.59817 (15031924)	0.56457 (16083024)	0.60025 (16083024)
3754073.1 |	0.65171 (15031924)	0.66560 (15031924)	0.62114 (15031924)	0.62608 (16083024)	0.64095 (16083024)
3754023.1 |	0.70440 (15031924)	0.69316 (15031924)	0.64572 (16083024)	0.68142 (16083024)	0.67108 (16083024)
3753973.1 |	0.75049 (15031924)	0.70330 (15031924)	0.69755 (16083024)	0.72700 (16083024)	0.68196 (16083024)
3753923.1 |	0.79779 (15031924)	0.72260 (15031924)	0.77196 (16083024)	0.75662 (16083024)	0.66426 (16083024)
3753873.1 |	0.84252 (15031924)	0.79540 (16083024)	0.78285 (16083024)	0.70843 (16083024)	0.60184 (16083024)
3753823.1 |	0.91038 (15031924)	0.85990 (16083024)	0.78268 (16083024)	0.65784 (16083024)	0.59813 (15031924)
3753773.1 |	0.99064 (16083024)	0.90783 (16083024)	0.76205 (16083024)	0.68763 (15031924)	0.66494 (15031924)
3753723.1 |	1.08090 (16083024)	0.93132 (15031924)	0.82825 (15031924)	0.77407 (15031924)	0.73253 (15031924)
3753673.1 |	1.19735 (15031924)	1.02922 (15031924)	0.93456 (15031924)	0.91216 (15031924)	0.85400 (15031924)
3753623.1 |	1.32331 (15031924)	1.18334 (15031924)	1.06233 (15031924)	1.02552 (15031924)	0.91080 (15031924)
3753573.1 |	1.51221 (15031924)	1.31612 (15031924)	1.15854 (15031924)	1.07629 (15031924)	0.95397 (15031924)
3753523.1 |	1.75383 (15031924)	1.47286 (15031924)	1.21215 (15031924)	1.10904 (14100924)	1.22448 (14100924)
3753473.1 |	1.95073 (15031924)	1.74416 (14100924)	1.60678 (14100924)	1.50660 (14100924)	1.56888 (14100924)
3753423.1 |	2.75033 (14100924)	2.38607 (14100924)	2.12101 (14100924)	1.91873 (14100924)	1.77110 (14100924)

3753373.1 |	3.56011 (14092124)	2.97121 (14092124)	2.73532 (14092124)	2.55103 (15101824)	2.19933 (15101824)
3753323.1 |	4.42119 (15101824)	3.71187 (15101824)	3.54453 (15101824)	3.15009 (15101824)	2.69535 (15101824)
3753273.1 |	4.95029 (15101824)	4.20657 (15101824)	3.84480 (15101824)	3.36570 (15101824)	2.87335 (15101824)
3753223.1 |	4.67651 (15101824)	4.04245 (15101824)	3.57213 (15101824)	3.14983 (15101824)	2.62901 (15101824)
3753173.1 |	4.58559 (16071324)	4.00082 (16071324)	3.51220 (16071324)	3.05710 (16071324)	2.51457 (16071324)
3753123.1 |	4.05708 (16071324)	3.70160 (16071324)	3.33818 (16071324)	2.96108 (16071324)	2.71168 (16071324)
3753073.1 |	3.26929 (16121224)	3.03319 (16121224)	2.82045 (16121224)	2.65395 (16071324)	2.50546 (16071324)
3753023.1 |	3.01012b(16120624)	2.63086b(16120624)	2.53237 (16121224)	2.39581 (16121224)	2.22472 (16121224)
3752973.1 |	2.71764b(16120624)	2.40100b(16120624)	2.11685b(16120624)	2.04444 (16121224)	1.99756 (16121224)
3752923.1 |	2.42764b(16120624)	2.17820b(16120624)	1.92159b(16120624)	1.71717b(16120624)	1.68390 (16121224)
3752873.1 |	2.13659b(16120624)	1.99952b(16120624)	1.77756b(16120624)	1.56633b(16120624)	1.49091 (15051224)
3752823.1 |	1.90272b(16120624)	1.82716b(16120624)	1.66835b(16120624)	1.47507b(16120624)	1.39571 (15051224)
3752773.1 |	1.53776b(16120624)	1.59153b(16120624)	1.53507b(16120624)	1.38286b(16120624)	1.22490 (15051224)
3752723.1 |	1.27228 (16013024)	1.30498b(16120624)	1.35901b(16120624)	1.30040b(16120624)	1.15779b(16120624)
3752673.1 |	1.11220 (16013024)	1.08605 (16013024)	1.17240b(16120624)	1.17382b(16120624)	1.05437b(16120624)
3752623.1 |	0.97027 (16010924)	0.99244 (16013024)	0.99971b(16120624)	1.04515b(16120624)	0.97413b(16120624)
3752573.1 |	0.95339 (16010924)	0.88268 (16013024)	0.86442 (16013024)	0.88370b(16120624)	0.91298b(16120624)
3752523.1 |	0.89618 (16010924)	0.70665 (16010924)	0.70235 (16013024)	0.72476 (15051724)	0.79815b(16120624)
3752473.1 |	0.76960 (16010924)	0.55976 (16010924)	0.50979 (16013024)	0.57746 (16013024)	0.65199b(16120624)
3752423.1 |	0.60438 (16010924)	0.53392 (16010924)	0.45982 (16010924)	0.47443 (16013024)	0.55474 (15051724)
3752373.1 |	0.62322 (16010924)	0.49869 (16010924)	0.44208 (16010924)	0.43903 (16013024)	0.49359 (16013024)
3752323.1 |	0.49665 (16010924)	0.44063 (16010924)	0.40834 (16010924)	0.39343 (16030424)	0.44292 (16013024)
3752273.1 |	0.40899b(16120624)	0.37997 (16010924)	0.36631 (16010924)	0.36691 (16030424)	0.33473 (16030424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	472074.27	472124.27	472174.27	472224.27	472274.27
- - -

3753823.1 |	0.57886 (15031924)	0.59477 (15031924)	0.53647 (15031924)	0.50877 (15031924)	0.48155 (15031924)
3753773.1 |	0.66590 (15031924)	0.66608 (15031924)	0.63960 (15031924)	0.57431 (15031924)	0.52405 (15031924)
3753723.1 |	0.69725 (15031924)	0.70658 (15031924)	0.69289 (15031924)	0.63224 (15031924)	0.57428c(14022624)
3753673.1 |	0.73664 (15031924)	0.71028 (15031924)	0.68999 (15031924)	0.67546 (16101624)	0.66730 (16101624)
3753623.1 |	0.77154 (15031924)	0.70391 (16101624)	0.71985 (16101624)	0.73077 (16101624)	0.74438 (14100924)
3753573.1 |	0.88560 (16101624)	0.80426 (14100924)	0.82582 (14100924)	0.87248 (14100924)	0.91306 (14100924)
3753523.1 |	1.19238 (14100924)	1.11270 (14100924)	1.03497 (14100924)	1.00445 (14100924)	1.01359 (14100924)
3753473.1 |	1.52258 (14100924)	1.42352 (14100924)	1.24640 (14100924)	1.11605 (14100924)	1.04534 (14100924)
3753423.1 |	1.72919 (14092124)	1.65400 (14092124)	1.47917 (14092124)	1.35333 (14111224)	1.23319 (14111224)
3753373.1 |	2.09208 (15101824)	2.00102 (14111224)	1.84101 (14111224)	1.67764 (14111224)	1.49279 (14111224)
3753323.1 |	2.43927 (15101824)	2.25577 (15101824)	2.07726 (15101824)	1.84206 (15101824)	1.62189 (15101824)
3753273.1 |	2.52754 (15101824)	2.30378 (15101824)	2.09274 (15101824)	1.84150 (15101824)	1.63804 (15101824)
3753223.1 |	2.34636 (15101824)	2.09901 (15101824)	1.89195 (15101824)	1.69304 (15101824)	1.61205 (15101824)
3753173.1 |	2.26385 (16071324)	1.99494m(16070324)	1.79892m(16070324)	1.65994m(16070324)	1.56720m(16070324)
3753123.1 |	2.47054 (16071324)	2.18007 (16071324)	1.87191 (16071324)	1.73010 (16071324)	1.61669 (16071324)
3753073.1 |	2.33063 (16071324)	2.11684 (16071324)	1.90858 (16071324)	1.78724 (16071324)	1.66312 (16071324)
3753023.1 |	2.06873 (16121224)	1.90436 (16071324)	1.84347 (16071324)	1.71066 (16071324)	1.57445 (16071324)
3752973.1 |	1.92469 (16121224)	1.83626 (16121224)	1.71637 (16121224)	1.55790 (16121224)	1.41462 (16121224)
3752923.1 |	1.63043 (16121224)	1.60954 (16121224)	1.57962 (16121224)	1.46212 (16121224)	1.36886 (16121224)
3752873.1 |	1.39590 (16121224)	1.36442 (16121224)	1.37623 (16121224)	1.34868 (16121224)	1.30264 (16121224)
3752823.1 |	1.31809 (15051224)	1.13492 (16121224)	1.16376 (16121224)	1.17972 (16121224)	1.16638 (16121224)
3752773.1 |	1.21394 (15051224)	1.07466 (15051224)	0.99889 (15051224)	0.97964 (16121224)	1.00201 (16121224)
3752723.1 |	1.06578 (15051224)	0.98491 (15051224)	0.97311 (15051224)	0.91073 (15051224)	0.84031 (15051224)
3752673.1 |	0.95028b(16120624)	0.96792 (15051224)	0.99523 (15051224)	0.92513 (15051224)	0.85876 (15051224)
3752623.1 |	0.91262 (15100424)	0.84396m(16031424)	0.87469 (15051224)	0.89190 (15051224)	0.86820 (15051224)
3752573.1 |	0.88006b(16120624)	0.83478 (15100424)	0.75084m(16031424)	0.70433 (15051224)	0.71534 (15051224)
3752523.1 |	0.80683b(16120624)	0.81809 (15100424)	0.79206 (15100424)	0.69664m(16031424)	0.64152 (15051224)
3752473.1 |	0.71546b(16120624)	0.72112 (15100424)	0.76014 (15100424)	0.74269 (15100424)	0.65685 (15100424)
3752423.1 |	0.63389b(16120624)	0.68382b(16120624)	0.69388 (15100424)	0.72003 (15100424)	0.69307 (15100424)
3752373.1 |	0.57454 (15051724)	0.64819b(16120624)	0.66666b(16120624)	0.65668 (15100424)	0.67423 (15100424)
3752323.1 |	0.48562 (15051724)	0.52528b(16120624)	0.60081b(16120624)	0.60322b(16120624)	0.60919 (15100424)
3752273.1 |	0.34148 (16013024)	0.41014 (15051724)	0.49382b(16120624)	0.54673b(16120624)	0.56103b(16120624)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,
L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,
L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,
L0001372 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
471760.95	3752929.03	2.82612b (16120624)	471633.36	3752929.03	3.10283b (16120624)

471511.91	3752927.81	3.29236 (15022224)	471378.18	3752924.12	3.53733 (15022224)
471275.13	3752927.81	3.56778 (16011924)	471448.11	3752870.15	2.91836 (15022224)
471385.54	3752872.60	2.72379 (15022224)	471324.20	3752870.15	2.31896 (16011924)
471277.58	3752876.28	2.42715 (16011924)	471162.26	3752926.58	3.10495 (14080324)
471026.09	3752922.90	2.68487 (16011924)	471233.42	3752873.83	2.20077 (16011524)
471104.60	3752868.92	2.34897 (14080324)	471000.32	3752872.60	2.16493 (16011924)
470962.29	3752909.40	2.38858 (16011924)	470866.60	3752908.18	2.41822m (16123124)
470788.09	3752908.18	2.26029m (16123124)			

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 3 YEARS ***

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

GROUP ID		AVERAGE CONC	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGHEST VALUE IS	11.83767 AT (471524.27, 3753273.10, 487.20, 487.20, 0.00) GC UCART1	
	2ND HIGHEST VALUE IS	11.46268 AT (471524.27, 3753223.10, 487.20, 487.20, 0.00) GC UCART1	
	3RD HIGHEST VALUE IS	11.21381 AT (471524.27, 3753323.10, 486.10, 486.10, 0.00) GC UCART1	
	4TH HIGHEST VALUE IS	9.81935 AT (471424.27, 3753223.10, 488.80, 488.80, 0.00) GC UCART1	
	5TH HIGHEST VALUE IS	9.76818 AT (471174.27, 3753223.10, 488.10, 488.10, 0.00) GC UCART1	
	6TH HIGHEST VALUE IS	9.73140 AT (471424.27, 3753273.10, 488.00, 488.00, 0.00) GC UCART1	
	7TH HIGHEST VALUE IS	9.59004 AT (471524.27, 3753373.10, 483.40, 488.00, 0.00) GC UCART1	
	8TH HIGHEST VALUE IS	9.03861 AT (471374.27, 3753223.10, 488.00, 488.00, 0.00) GC UCART1	
	9TH HIGHEST VALUE IS	9.03453 AT (471124.27, 3753223.10, 488.60, 493.00, 0.00) GC UCART1	
	10TH HIGHEST VALUE IS	8.96609 AT (471374.27, 3753273.10, 488.00, 488.00, 0.00) GC UCART1	

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

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

- - - -

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


********   WARNING MESSAGES   ********
ME W186     698      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     698      MEOPEN: ADJ_U* Option for Low Winds used in AERMET

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

Results Summary

C:\AERMOD\9309\NOx\NOx.isc

NOX - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLA (m)
1-HR	1ST	62.74156	ug/m^3	471524.27	3753223.10	487.20	0.00
24-HR	1ST	26.13380	ug/m^3	471524.27	3753273.10	487.20	0.00
ANNUAL		11.83767	ug/m^3	471524.27	3753273.10	487.20	0.00

AERMOD Data – Particulate Matter PM_{10}

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.5.0
** Lakes Environmental Software Inc.
** Date: 11/26/2019
** File: C:\AERMOD\9309\AERMOD - High-Cube Warehouse - Fall 2019 Submittal\PM10\PM10.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\AERMOD\9309\PM10\PM10.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 24 ANNUAL
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL PM10.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 Building A Truck Route
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 0.00008
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 13
** 471385.355, 3752971.460, 488.48, 3.63, 3.93
** 471387.127, 3753097.286, 490.16, 3.63, 3.93
** 471528.016, 3753100.830, 487.05, 3.63, 3.93
** 471560.802, 3753115.008, 487.00, 3.63, 3.93
** 471551.055, 3753419.825, 482.91, 3.63, 3.93
```

** 471516.497, 3753438.433, 481.11, 3.63, 3.93

** 471406.621, 3753434.889, 485.13, 3.63, 3.93

** 471395.988, 3753416.281, 483.76, 3.63, 3.93

** 471396.874, 3753393.242, 483.54, 3.63, 3.93

** 471388.013, 3753367.546, 482.36, 3.63, 3.93

** 471379.152, 3753334.760, 483.62, 3.63, 3.93

** 471379.152, 3753093.742, 490.28, 3.63, 3.93

** 471380.038, 3752970.574, 488.59, 3.63, 3.93

** ----------

LOCATION L0001305 VOLUME 471385.414 3752975.680 488.37

LOCATION L0001306 VOLUME 471385.533 3752984.119 488.08

LOCATION L0001307 VOLUME 471385.652 3752992.558 488.18

LOCATION L0001308 VOLUME 471385.771 3753000.997 488.44

LOCATION L0001309 VOLUME 471385.890 3753009.437 488.69

LOCATION L0001310 VOLUME 471386.009 3753017.876 488.93

LOCATION L0001311 VOLUME 471386.127 3753026.315 489.07

LOCATION L0001312 VOLUME 471386.246 3753034.754 489.22

LOCATION L0001313 VOLUME 471386.365 3753043.193 489.38

LOCATION L0001314 VOLUME 471386.484 3753051.632 489.60

LOCATION L0001315 VOLUME 471386.603 3753060.072 489.88

LOCATION L0001316 VOLUME 471386.722 3753068.511 490.16

LOCATION L0001317 VOLUME 471386.841 3753076.950 490.42

LOCATION L0001318 VOLUME 471386.960 3753085.389 490.30

LOCATION L0001319 VOLUME 471387.078 3753093.828 490.18

LOCATION L0001320 VOLUME 471392.107 3753097.411 490.08

LOCATION L0001321 VOLUME 471400.545 3753097.624 489.97

LOCATION L0001322 VOLUME 471408.982 3753097.836 489.69

LOCATION L0001323 VOLUME 471417.419 3753098.048 489.40

LOCATION L0001324 VOLUME 471425.857 3753098.260 489.12

LOCATION L0001325 VOLUME 471434.294 3753098.473 488.84

LOCATION L0001326 VOLUME 471442.731 3753098.685 488.56

LOCATION L0001327 VOLUME 471451.169 3753098.897 488.28

LOCATION L0001328 VOLUME 471459.606 3753099.109 488.00

LOCATION L0001329 VOLUME 471468.043 3753099.322 487.93

LOCATION L0001330 VOLUME 471476.481 3753099.534 487.87

LOCATION L0001331 VOLUME 471484.918 3753099.746 487.81

LOCATION L0001332 VOLUME 471493.355 3753099.958 487.68

LOCATION L0001333 VOLUME 471501.793 3753100.171 487.46

LOCATION L0001334 VOLUME 471510.230 3753100.383 487.25

LOCATION L0001335 VOLUME 471518.667 3753100.595 487.02

LOCATION L0001336 VOLUME 471527.105 3753100.807 487.00

LOCATION L0001337 VOLUME 471534.926 3753103.818 487.00

LOCATION L0001338 VOLUME 471542.673 3753107.168 487.01

LOCATION L0001339 VOLUME 471550.419 3753110.518 487.13

LOCATION L0001340 VOLUME 471558.166 3753113.868 487.24

LOCATION L0001341 VOLUME 471560.624 3753120.573 487.46

LOCATION L0001342 VOLUME 471560.354 3753129.009 487.75

LOCATION L0001343 VOLUME 471560.085 3753137.445 488.00

LOCATION L0001344 VOLUME 471559.815 3753145.880 488.00

LOCATION L0001345 VOLUME 471559.545 3753154.316 488.00

LOCATION L0001346	VOLUME	471559.275	3753162.752	488.00
LOCATION L0001347	VOLUME	471559.006	3753171.187	488.00
LOCATION L0001348	VOLUME	471558.736	3753179.623	488.00
LOCATION L0001349	VOLUME	471558.466	3753188.059	488.00
LOCATION L0001350	VOLUME	471558.196	3753196.494	488.00
LOCATION L0001351	VOLUME	471557.927	3753204.930	488.00
LOCATION L0001352	VOLUME	471557.657	3753213.366	488.00
LOCATION L0001353	VOLUME	471557.387	3753221.802	488.00
LOCATION L0001354	VOLUME	471557.117	3753230.237	488.00
LOCATION L0001355	VOLUME	471556.848	3753238.673	488.00
LOCATION L0001356	VOLUME	471556.578	3753247.109	488.00
LOCATION L0001357	VOLUME	471556.308	3753255.544	488.00
LOCATION L0001358	VOLUME	471556.038	3753263.980	488.00
LOCATION L0001359	VOLUME	471555.769	3753272.416	488.00
LOCATION L0001360	VOLUME	471555.499	3753280.851	488.00
LOCATION L0001361	VOLUME	471555.229	3753289.287	487.91
LOCATION L0001362	VOLUME	471554.959	3753297.723	487.63
LOCATION L0001363	VOLUME	471554.690	3753306.158	487.35
LOCATION L0001364	VOLUME	471554.420	3753314.594	487.07
LOCATION L0001365	VOLUME	471554.150	3753323.030	486.79
LOCATION L0001366	VOLUME	471553.880	3753331.466	486.51
LOCATION L0001367	VOLUME	471553.611	3753339.901	486.22
LOCATION L0001368	VOLUME	471553.341	3753348.337	485.84
LOCATION L0001369	VOLUME	471553.071	3753356.773	485.06
LOCATION L0001370	VOLUME	471552.801	3753365.208	484.28
LOCATION L0001371	VOLUME	471552.532	3753373.644	483.48
LOCATION L0001372	VOLUME	471552.262	3753382.080	483.16
LOCATION L0001373	VOLUME	471551.992	3753390.515	483.12
LOCATION L0001374	VOLUME	471551.722	3753398.951	483.09
LOCATION L0001375	VOLUME	471551.453	3753407.387	483.04
LOCATION L0001376	VOLUME	471551.183	3753415.822	482.75
LOCATION L0001377	VOLUME	471547.150	3753421.928	482.37
LOCATION L0001378	VOLUME	471539.719	3753425.929	481.91
LOCATION L0001379	VOLUME	471532.288	3753429.931	481.52
LOCATION L0001380	VOLUME	471524.856	3753433.932	481.19
LOCATION L0001381	VOLUME	471517.425	3753437.934	481.36
LOCATION L0001382	VOLUME	471509.115	3753438.195	482.74
LOCATION L0001383	VOLUME	471500.679	3753437.923	484.15
LOCATION L0001384	VOLUME	471492.244	3753437.651	485.55
LOCATION L0001385	VOLUME	471483.808	3753437.379	486.39
LOCATION L0001386	VOLUME	471475.373	3753437.107	486.95
LOCATION L0001387	VOLUME	471466.937	3753436.835	487.51
LOCATION L0001388	VOLUME	471458.501	3753436.562	487.99
LOCATION L0001389	VOLUME	471450.066	3753436.290	487.97
LOCATION L0001390	VOLUME	471441.630	3753436.018	487.95
LOCATION L0001391	VOLUME	471433.195	3753435.746	487.94
LOCATION L0001392	VOLUME	471424.759	3753435.474	487.45
LOCATION L0001393	VOLUME	471416.323	3753435.202	486.60
LOCATION L0001394	VOLUME	471407.888	3753434.930	485.76
LOCATION L0001395	VOLUME	471403.062	3753428.661	485.05

LOCATION L0001396	VOLUME	471398.875	3753421.333	484.43
LOCATION L0001397	VOLUME	471396.089	3753413.662	483.91
LOCATION L0001398	VOLUME	471396.413	3753405.228	483.64
LOCATION L0001399	VOLUME	471396.738	3753396.794	483.42
LOCATION L0001400	VOLUME	471395.282	3753388.624	483.06
LOCATION L0001401	VOLUME	471392.530	3753380.645	482.63
LOCATION L0001402	VOLUME	471389.779	3753372.666	482.43
LOCATION L0001403	VOLUME	471387.224	3753364.626	482.51
LOCATION L0001404	VOLUME	471385.022	3753356.479	482.68
LOCATION L0001405	VOLUME	471382.820	3753348.331	482.94
LOCATION L0001406	VOLUME	471380.618	3753340.183	483.80
LOCATION L0001407	VOLUME	471379.152	3753331.938	484.78
LOCATION L0001408	VOLUME	471379.152	3753323.498	485.81
LOCATION L0001409	VOLUME	471379.152	3753315.058	486.71
LOCATION L0001410	VOLUME	471379.152	3753306.618	487.09
LOCATION L0001411	VOLUME	471379.152	3753298.178	487.48
LOCATION L0001412	VOLUME	471379.152	3753289.738	487.86
LOCATION L0001413	VOLUME	471379.152	3753281.298	488.00
LOCATION L0001414	VOLUME	471379.152	3753272.858	488.00
LOCATION L0001415	VOLUME	471379.152	3753264.418	488.00
LOCATION L0001416	VOLUME	471379.152	3753255.978	488.00
LOCATION L0001417	VOLUME	471379.152	3753247.538	488.00
LOCATION L0001418	VOLUME	471379.152	3753239.098	488.00
LOCATION L0001419	VOLUME	471379.152	3753230.658	488.00
LOCATION L0001420	VOLUME	471379.152	3753222.218	488.05
LOCATION L0001421	VOLUME	471379.152	3753213.778	488.14
LOCATION L0001422	VOLUME	471379.152	3753205.338	488.23
LOCATION L0001423	VOLUME	471379.152	3753196.898	488.32
LOCATION L0001424	VOLUME	471379.152	3753188.458	488.69
LOCATION L0001425	VOLUME	471379.152	3753180.018	489.07
LOCATION L0001426	VOLUME	471379.152	3753171.578	489.46
LOCATION L0001427	VOLUME	471379.152	3753163.138	489.68
LOCATION L0001428	VOLUME	471379.152	3753154.698	489.68
LOCATION L0001429	VOLUME	471379.152	3753146.258	489.68
LOCATION L0001430	VOLUME	471379.152	3753137.818	489.68
LOCATION L0001431	VOLUME	471379.152	3753129.378	489.76
LOCATION L0001432	VOLUME	471379.152	3753120.938	489.85
LOCATION L0001433	VOLUME	471379.152	3753112.498	489.94
LOCATION L0001434	VOLUME	471379.152	3753104.058	490.06
LOCATION L0001435	VOLUME	471379.152	3753095.618	490.25
LOCATION L0001436	VOLUME	471379.199	3753087.178	490.44
LOCATION L0001437	VOLUME	471379.260	3753078.738	490.63
LOCATION L0001438	VOLUME	471379.321	3753070.299	490.46
LOCATION L0001439	VOLUME	471379.382	3753061.859	490.18
LOCATION L0001440	VOLUME	471379.442	3753053.419	489.90
LOCATION L0001441	VOLUME	471379.503	3753044.979	489.65
LOCATION L0001442	VOLUME	471379.564	3753036.540	489.55
LOCATION L0001443	VOLUME	471379.624	3753028.100	489.46
LOCATION L0001444	VOLUME	471379.685	3753019.660	489.36
LOCATION L0001445	VOLUME	471379.746	3753011.220	489.08

```
  LOCATION L0001446     VOLUME   471379.807 3753002.780 488.71
  LOCATION L0001447     VOLUME   471379.867 3752994.341 488.34
  LOCATION L0001448     VOLUME   471379.928 3752985.901 488.02
  LOCATION L0001449     VOLUME   471379.989 3752977.461 488.31
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Building B Truck Route
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 0.00004
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 4
** 470989.307, 3753186.230, 495.87, 3.63, 3.93
** 471232.042, 3753190.040, 488.71, 3.63, 3.93
** 471231.497, 3753182.964, 488.75, 3.63, 3.93
** 470990.396, 3753179.155, 496.67, 3.63, 3.93
** ----------------------------------------------------------------
  LOCATION L0001450     VOLUME   470993.527 3753186.296 495.41
  LOCATION L0001451     VOLUME   471001.966 3753186.428 494.85
  LOCATION L0001452     VOLUME   471010.404 3753186.561 494.33
  LOCATION L0001453     VOLUME   471018.843 3753186.693 494.23
  LOCATION L0001454     VOLUME   471027.282 3753186.826 494.13
  LOCATION L0001455     VOLUME   471035.721 3753186.958 494.04
  LOCATION L0001456     VOLUME   471044.160 3753187.091 493.74
  LOCATION L0001457     VOLUME   471052.599 3753187.223 493.27
  LOCATION L0001458     VOLUME   471061.038 3753187.356 492.79
  LOCATION L0001459     VOLUME   471069.477 3753187.488 492.31
  LOCATION L0001460     VOLUME   471077.916 3753187.620 492.02
  LOCATION L0001461     VOLUME   471086.355 3753187.753 491.74
  LOCATION L0001462     VOLUME   471094.794 3753187.885 491.45
  LOCATION L0001463     VOLUME   471103.233 3753188.018 491.16
  LOCATION L0001464     VOLUME   471111.672 3753188.150 490.88
  LOCATION L0001465     VOLUME   471120.111 3753188.283 490.59
  LOCATION L0001466     VOLUME   471128.550 3753188.415 490.31
  LOCATION L0001467     VOLUME   471136.989 3753188.548 490.02
  LOCATION L0001468     VOLUME   471145.428 3753188.680 489.74
  LOCATION L0001469     VOLUME   471153.867 3753188.813 489.45
  LOCATION L0001470     VOLUME   471162.306 3753188.945 489.26
  LOCATION L0001471     VOLUME   471170.745 3753189.077 489.25
  LOCATION L0001472     VOLUME   471179.184 3753189.210 489.25
  LOCATION L0001473     VOLUME   471187.623 3753189.342 489.24
  LOCATION L0001474     VOLUME   471196.062 3753189.475 489.19
  LOCATION L0001475     VOLUME   471204.501 3753189.607 489.12
  LOCATION L0001476     VOLUME   471212.940 3753189.740 489.05
  LOCATION L0001477     VOLUME   471221.378 3753189.872 488.94
  LOCATION L0001478     VOLUME   471229.817 3753190.005 488.66
```

```
   LOCATION L0001479     VOLUME   471231.565 3753183.842 488.60
   LOCATION L0001480     VOLUME   471223.939 3753182.845 488.85
   LOCATION L0001481     VOLUME   471215.500 3753182.711 489.06
   LOCATION L0001482     VOLUME   471207.061 3753182.578 489.20
   LOCATION L0001483     VOLUME   471198.622 3753182.445 489.33
   LOCATION L0001484     VOLUME   471190.183 3753182.311 489.47
   LOCATION L0001485     VOLUME   471181.744 3753182.178 489.48
   LOCATION L0001486     VOLUME   471173.305 3753182.045 489.49
   LOCATION L0001487     VOLUME   471164.866 3753181.911 489.49
   LOCATION L0001488     VOLUME   471156.427 3753181.778 489.60
   LOCATION L0001489     VOLUME   471147.988 3753181.645 489.89
   LOCATION L0001490     VOLUME   471139.550 3753181.511 490.17
   LOCATION L0001491     VOLUME   471131.111 3753181.378 490.46
   LOCATION L0001492     VOLUME   471122.672 3753181.245 490.74
   LOCATION L0001493     VOLUME   471114.233 3753181.111 491.03
   LOCATION L0001494     VOLUME   471105.794 3753180.978 491.31
   LOCATION L0001495     VOLUME   471097.355 3753180.845 491.60
   LOCATION L0001496     VOLUME   471088.916 3753180.711 491.89
   LOCATION L0001497     VOLUME   471080.477 3753180.578 492.17
   LOCATION L0001498     VOLUME   471072.038 3753180.445 492.46
   LOCATION L0001499     VOLUME   471063.599 3753180.311 492.83
   LOCATION L0001500     VOLUME   471055.160 3753180.178 493.24
   LOCATION L0001501     VOLUME   471046.721 3753180.045 493.65
   LOCATION L0001502     VOLUME   471038.282 3753179.911 494.02
   LOCATION L0001503     VOLUME   471029.843 3753179.778 494.18
   LOCATION L0001504     VOLUME   471021.404 3753179.645 494.34
   LOCATION L0001505     VOLUME   471012.965 3753179.511 494.51
   LOCATION L0001506     VOLUME   471004.526 3753179.378 494.91
   LOCATION L0001507     VOLUME   470996.087 3753179.244 495.48
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Building A West Docks
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 8.0E-06
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 2
** 471402.365, 3753341.756, 483.32, 3.63, 3.93
** 471402.365, 3753167.544, 489.01, 3.63, 3.93
** ----------------------------------------------------------------
   LOCATION L0001508     VOLUME   471402.365 3753337.536 484.72
   LOCATION L0001509     VOLUME   471402.365 3753329.096 485.97
   LOCATION L0001510     VOLUME   471402.365 3753320.656 487.22
   LOCATION L0001511     VOLUME   471402.365 3753312.216 487.84
   LOCATION L0001512     VOLUME   471402.365 3753303.776 487.89
   LOCATION L0001513     VOLUME   471402.365 3753295.336 487.95
```

```
  LOCATION L0001514     VOLUME   471402.365 3753286.896 488.00
  LOCATION L0001515     VOLUME   471402.365 3753278.456 488.00
  LOCATION L0001516     VOLUME   471402.365 3753270.016 488.00
  LOCATION L0001517     VOLUME   471402.365 3753261.576 488.00
  LOCATION L0001518     VOLUME   471402.365 3753253.136 488.01
  LOCATION L0001519     VOLUME   471402.365 3753244.696 488.04
  LOCATION L0001520     VOLUME   471402.365 3753236.256 488.06
  LOCATION L0001521     VOLUME   471402.365 3753227.816 488.09
  LOCATION L0001522     VOLUME   471402.365 3753219.376 488.31
  LOCATION L0001523     VOLUME   471402.365 3753210.936 488.57
  LOCATION L0001524     VOLUME   471402.365 3753202.496 488.82
  LOCATION L0001525     VOLUME   471402.365 3753194.056 489.00
  LOCATION L0001526     VOLUME   471402.365 3753185.616 489.00
  LOCATION L0001527     VOLUME   471402.365 3753177.176 489.00
  LOCATION L0001528     VOLUME   471402.365 3753168.736 489.00
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Building A East Docks
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 0.000011
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 2
** 471534.725, 3753397.771, 482.28, 3.63, 3.93
** 471537.286, 3753169.162, 487.63, 3.63, 3.93
** ----------------------------------------------------------------
  LOCATION L0001529     VOLUME   471534.772 3753393.552 482.44
  LOCATION L0001530     VOLUME   471534.867 3753385.112 482.72
  LOCATION L0001531     VOLUME   471534.961 3753376.673 483.00
  LOCATION L0001532     VOLUME   471535.056 3753368.233 483.84
  LOCATION L0001533     VOLUME   471535.151 3753359.794 484.68
  LOCATION L0001534     VOLUME   471535.245 3753351.354 485.53
  LOCATION L0001535     VOLUME   471535.340 3753342.915 486.07
  LOCATION L0001536     VOLUME   471535.434 3753334.475 486.21
  LOCATION L0001537     VOLUME   471535.529 3753326.036 486.37
  LOCATION L0001538     VOLUME   471535.623 3753317.596 486.52
  LOCATION L0001539     VOLUME   471535.718 3753309.157 486.79
  LOCATION L0001540     VOLUME   471535.812 3753300.717 487.07
  LOCATION L0001541     VOLUME   471535.907 3753292.278 487.36
  LOCATION L0001542     VOLUME   471536.002 3753283.838 487.55
  LOCATION L0001543     VOLUME   471536.096 3753275.399 487.55
  LOCATION L0001544     VOLUME   471536.191 3753266.960 487.55
  LOCATION L0001545     VOLUME   471536.285 3753258.520 487.56
  LOCATION L0001546     VOLUME   471536.380 3753250.081 487.56
  LOCATION L0001547     VOLUME   471536.474 3753241.641 487.56
  LOCATION L0001548     VOLUME   471536.569 3753233.202 487.57
```

```
   LOCATION L0001549     VOLUME   471536.664 3753224.762 487.57
   LOCATION L0001550     VOLUME   471536.758 3753216.323 487.57
   LOCATION L0001551     VOLUME   471536.853 3753207.883 487.58
   LOCATION L0001552     VOLUME   471536.947 3753199.444 487.58
   LOCATION L0001553     VOLUME   471537.042 3753191.004 487.58
   LOCATION L0001554     VOLUME   471537.136 3753182.565 487.59
   LOCATION L0001555     VOLUME   471537.231 3753174.125 487.59
** End of LINE VOLUME Source ID = SLINE4
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Building B Docks
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 8.0E-06
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 2
** 471064.720, 3753208.269, 492.28, 3.63, 3.93
** 471227.536, 3753209.449, 488.78, 3.63, 3.93
** ----------------------------------------------------------------
   LOCATION L0001556     VOLUME   471068.940 3753208.299 491.64
   LOCATION L0001557     VOLUME   471077.380 3753208.361 491.35
   LOCATION L0001558     VOLUME   471085.820 3753208.422 491.06
   LOCATION L0001559     VOLUME   471094.259 3753208.483 490.78
   LOCATION L0001560     VOLUME   471102.699 3753208.544 490.46
   LOCATION L0001561     VOLUME   471111.139 3753208.605 490.06
   LOCATION L0001562     VOLUME   471119.579 3753208.666 489.66
   LOCATION L0001563     VOLUME   471128.019 3753208.727 489.27
   LOCATION L0001564     VOLUME   471136.458 3753208.789 489.05
   LOCATION L0001565     VOLUME   471144.898 3753208.850 488.88
   LOCATION L0001566     VOLUME   471153.338 3753208.911 488.71
   LOCATION L0001567     VOLUME   471161.778 3753208.972 488.59
   LOCATION L0001568     VOLUME   471170.217 3753209.033 488.59
   LOCATION L0001569     VOLUME   471178.657 3753209.094 488.58
   LOCATION L0001570     VOLUME   471187.097 3753209.156 488.58
   LOCATION L0001571     VOLUME   471195.537 3753209.217 488.58
   LOCATION L0001572     VOLUME   471203.977 3753209.278 488.58
   LOCATION L0001573     VOLUME   471212.416 3753209.339 488.58
   LOCATION L0001574     VOLUME   471220.856 3753209.400 488.55
** End of LINE VOLUME Source ID = SLINE5
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0001305     0.0000005517     3.63     3.93     3.38
   SRCPARAM L0001306     0.0000005517     3.63     3.93     3.38
   SRCPARAM L0001307     0.0000005517     3.63     3.93     3.38
   SRCPARAM L0001308     0.0000005517     3.63     3.93     3.38
   SRCPARAM L0001309     0.0000005517     3.63     3.93     3.38
   SRCPARAM L0001310     0.0000005517     3.63     3.93     3.38
```

SRCPARAM L0001311	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001312	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001313	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001314	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001315	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001316	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001317	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001318	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001319	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001320	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001321	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001322	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001323	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001324	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001325	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001326	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001327	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001328	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001329	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001330	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001331	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001332	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001333	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001334	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001335	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001336	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001337	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001338	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001339	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001340	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001341	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001342	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001343	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001344	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001345	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001346	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001347	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001348	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001349	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001350	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001351	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001352	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001353	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001354	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001355	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001356	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001357	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001358	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001359	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001360	0.0000005517	3.63	3.93	3.38

SRCPARAM L0001361	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001362	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001363	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001364	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001365	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001366	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001367	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001368	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001369	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001370	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001371	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001372	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001373	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001374	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001375	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001376	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001377	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001378	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001379	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001380	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001381	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001382	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001383	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001384	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001385	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001386	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001387	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001388	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001389	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001390	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001391	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001392	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001393	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001394	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001395	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001396	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001397	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001398	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001399	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001400	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001401	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001402	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001403	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001404	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001405	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001406	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001407	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001408	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001409	0.0000005517	3.63	3.93	3.38
SRCPARAM L0001410	0.0000005517	3.63	3.93	3.38

```
SRCPARAM L0001411    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001412    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001413    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001414    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001415    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001416    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001417    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001418    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001419    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001420    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001421    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001422    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001423    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001424    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001425    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001426    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001427    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001428    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001429    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001430    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001431    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001432    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001433    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001434    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001435    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001436    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001437    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001438    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001439    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001440    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001441    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001442    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001443    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001444    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001445    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001446    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001447    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001448    0.0000005517    3.63    3.93    3.38
SRCPARAM L0001449    0.0000005517    3.63    3.93    3.38
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
SRCPARAM L0001450    0.0000006897    3.63    3.93    3.38
SRCPARAM L0001451    0.0000006897    3.63    3.93    3.38
SRCPARAM L0001452    0.0000006897    3.63    3.93    3.38
SRCPARAM L0001453    0.0000006897    3.63    3.93    3.38
SRCPARAM L0001454    0.0000006897    3.63    3.93    3.38
SRCPARAM L0001455    0.0000006897    3.63    3.93    3.38
SRCPARAM L0001456    0.0000006897    3.63    3.93    3.38
SRCPARAM L0001457    0.0000006897    3.63    3.93    3.38
SRCPARAM L0001458    0.0000006897    3.63    3.93    3.38
```

SRCPARAM L0001459	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001460	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001461	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001462	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001463	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001464	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001465	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001466	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001467	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001468	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001469	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001470	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001471	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001472	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001473	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001474	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001475	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001476	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001477	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001478	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001479	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001480	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001481	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001482	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001483	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001484	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001485	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001486	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001487	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001488	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001489	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001490	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001491	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001492	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001493	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001494	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001495	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001496	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001497	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001498	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001499	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001500	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001501	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001502	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001503	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001504	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001505	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001506	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001507	0.0000006897	3.63	3.93	3.38

** ----------

```
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0001508    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001509    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001510    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001511    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001512    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001513    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001514    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001515    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001516    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001517    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001518    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001519    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001520    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001521    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001522    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001523    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001524    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001525    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001526    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001527    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001528    0.000000381    3.63    3.93    3.38
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0001529    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001530    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001531    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001532    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001533    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001534    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001535    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001536    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001537    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001538    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001539    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001540    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001541    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001542    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001543    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001544    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001545    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001546    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001547    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001548    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001549    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001550    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001551    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001552    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001553    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001554    0.0000004074    3.63    3.93    3.38
```

```
   SRCPARAM L0001555    0.0000004074    3.63    3.93    3.38
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0001556    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001557    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001558    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001559    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001560    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001561    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001562    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001563    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001564    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001565    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001566    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001567    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001568    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001569    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001570    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001571    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001572    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001573    0.0000004211    3.63    3.93    3.38
   SRCPARAM L0001574    0.0000004211    3.63    3.93    3.38
** ----------------------------------------------------------------
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED PM10.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE N:\AIR_GHG_NOISE_Technical\001_AIR\Meterological\RiversideAirportADJU\KRAL_V9_ADJU\KRAL_v9.SFC
   PROFFILE N:\AIR_GHG_NOISE_Technical\001_AIR\Meterological\RiversideAirportADJU\KRAL_V9_ADJU\KRAL_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   PROFBASE 249.0 METERS
   STARTEND 2014 1 1 1 2016 12 31 24
ME FINISHED
**
****************************************
```

```
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
  RECTABLE 24 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST PM10.AD\01H1GALL.PLT 31
  PLOTFILE 24 ALL 1ST PM10.AD\24H1GALL.PLT 32
  PLOTFILE ANNUAL ALL PM10.AD\AN00GALL.PLT 33
  SUMMFILE PM10.sum
OU FINISHED


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

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

A Total of         0 Fatal Error Message(s)
A Total of         2 Warning Message(s)
A Total of         0 Informational Message(s)


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


  ********   WARNING MESSAGES   ********
ME W186     698      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     698      MEOPEN: ADJ_U* Option for Low Winds used in AERMET

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

*** AERMOD - VERSION 16216r ***   *** C:\AERMOD\9309\PM10\PM10.isc                          ***       11/26/19
*** AERMET - VERSION  16216 ***   ***                                                 ***       08:30:06
                                                                                    PAGE   1
*** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

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

  --  DEPOSITION LOGIC  --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
```

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses 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:

ADJ_U* - Use ADJ_U* BETA option for SBL in AERMET

CCVR_Sub - Meteorological data includes CCVR substitutions

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_10

**Model Calculates 2 Short Term Average(s) of: 1-HR 24-HR
and Calculates ANNUAL Averages

**This Run Includes: 270 Source(s); 1 Source Group(s); and 1617 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 270 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)

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

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 249.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0

Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07

Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.8 MB of RAM.

**Detailed Error/Message File: PM10.err

**File for Summary of Results: PM10.sum

*** AERMOD - VERSION 16216r *** *** C:\AERMOD\9309\PM10\PM10.isc *** 11/26/19

*** AERMET - VERSION 16216 *** *** *** 08:30:06

PAGE 2

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001305	0	0.55170E-06	471385.4	3752975.7	488.4	3.63	3.93	3.38	NO	
L0001306	0	0.55170E-06	471385.5	3752984.1	488.1	3.63	3.93	3.38	NO	
L0001307	0	0.55170E-06	471385.7	3752992.6	488.2	3.63	3.93	3.38	NO	
L0001308	0	0.55170E-06	471385.8	3753001.0	488.4	3.63	3.93	3.38	NO	
L0001309	0	0.55170E-06	471385.9	3753009.4	488.7	3.63	3.93	3.38	NO	
L0001310	0	0.55170E-06	471386.0	3753017.9	488.9	3.63	3.93	3.38	NO	
L0001311	0	0.55170E-06	471386.1	3753026.3	489.1	3.63	3.93	3.38	NO	
L0001312	0	0.55170E-06	471386.2	3753034.8	489.2	3.63	3.93	3.38	NO	
L0001313	0	0.55170E-06	471386.4	3753043.2	489.4	3.63	3.93	3.38	NO	
L0001314	0	0.55170E-06	471386.5	3753051.6	489.6	3.63	3.93	3.38	NO	
L0001315	0	0.55170E-06	471386.6	3753060.1	489.9	3.63	3.93	3.38	NO	
L0001316	0	0.55170E-06	471386.7	3753068.5	490.2	3.63	3.93	3.38	NO	
L0001317	0	0.55170E-06	471386.8	3753076.9	490.4	3.63	3.93	3.38	NO	
L0001318	0	0.55170E-06	471387.0	3753085.4	490.3	3.63	3.93	3.38	NO	
L0001319	0	0.55170E-06	471387.1	3753093.8	490.2	3.63	3.93	3.38	NO	
L0001320	0	0.55170E-06	471392.1	3753097.4	490.1	3.63	3.93	3.38	NO	
L0001321	0	0.55170E-06	471400.5	3753097.6	490.0	3.63	3.93	3.38	NO	
L0001322	0	0.55170E-06	471409.0	3753097.8	489.7	3.63	3.93	3.38	NO	
L0001323	0	0.55170E-06	471417.4	3753098.0	489.4	3.63	3.93	3.38	NO	
L0001324	0	0.55170E-06	471425.9	3753098.3	489.1	3.63	3.93	3.38	NO	
L0001325	0	0.55170E-06	471434.3	3753098.5	488.8	3.63	3.93	3.38	NO	
L0001326	0	0.55170E-06	471442.7	3753098.7	488.6	3.63	3.93	3.38	NO	
L0001327	0	0.55170E-06	471451.2	3753098.9	488.3	3.63	3.93	3.38	NO	
L0001328	0	0.55170E-06	471459.6	3753099.1	488.0	3.63	3.93	3.38	NO	
L0001329	0	0.55170E-06	471468.0	3753099.3	487.9	3.63	3.93	3.38	NO	
L0001330	0	0.55170E-06	471476.5	3753099.5	487.9	3.63	3.93	3.38	NO	
L0001331	0	0.55170E-06	471484.9	3753099.7	487.8	3.63	3.93	3.38	NO	
L0001332	0	0.55170E-06	471493.4	3753100.0	487.7	3.63	3.93	3.38	NO	
L0001333	0	0.55170E-06	471501.8	3753100.2	487.5	3.63	3.93	3.38	NO	
L0001334	0	0.55170E-06	471510.2	3753100.4	487.2	3.63	3.93	3.38	NO	

L0001335	0	0.55170E-06	471518.7	3753100.6	487.0	3.63	3.93	3.38	NO
L0001336	0	0.55170E-06	471527.1	3753100.8	487.0	3.63	3.93	3.38	NO
L0001337	0	0.55170E-06	471534.9	3753103.8	487.0	3.63	3.93	3.38	NO
L0001338	0	0.55170E-06	471542.7	3753107.2	487.0	3.63	3.93	3.38	NO
L0001339	0	0.55170E-06	471550.4	3753110.5	487.1	3.63	3.93	3.38	NO
L0001340	0	0.55170E-06	471558.2	3753113.9	487.2	3.63	3.93	3.38	NO
L0001341	0	0.55170E-06	471560.6	3753120.6	487.5	3.63	3.93	3.38	NO
L0001342	0	0.55170E-06	471560.4	3753129.0	487.8	3.63	3.93	3.38	NO
L0001343	0	0.55170E-06	471560.1	3753137.4	488.0	3.63	3.93	3.38	NO
L0001344	0	0.55170E-06	471559.8	3753145.9	488.0	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001345	0	0.55170E-06	471559.5	3753154.3	488.0	3.63	3.93	3.38	NO	
L0001346	0	0.55170E-06	471559.3	3753162.8	488.0	3.63	3.93	3.38	NO	
L0001347	0	0.55170E-06	471559.0	3753171.2	488.0	3.63	3.93	3.38	NO	
L0001348	0	0.55170E-06	471558.7	3753179.6	488.0	3.63	3.93	3.38	NO	
L0001349	0	0.55170E-06	471558.5	3753188.1	488.0	3.63	3.93	3.38	NO	
L0001350	0	0.55170E-06	471558.2	3753196.5	488.0	3.63	3.93	3.38	NO	
L0001351	0	0.55170E-06	471557.9	3753204.9	488.0	3.63	3.93	3.38	NO	
L0001352	0	0.55170E-06	471557.7	3753213.4	488.0	3.63	3.93	3.38	NO	
L0001353	0	0.55170E-06	471557.4	3753221.8	488.0	3.63	3.93	3.38	NO	
L0001354	0	0.55170E-06	471557.1	3753230.2	488.0	3.63	3.93	3.38	NO	
L0001355	0	0.55170E-06	471556.8	3753238.7	488.0	3.63	3.93	3.38	NO	
L0001356	0	0.55170E-06	471556.6	3753247.1	488.0	3.63	3.93	3.38	NO	
L0001357	0	0.55170E-06	471556.3	3753255.5	488.0	3.63	3.93	3.38	NO	
L0001358	0	0.55170E-06	471556.0	3753264.0	488.0	3.63	3.93	3.38	NO	
L0001359	0	0.55170E-06	471555.8	3753272.4	488.0	3.63	3.93	3.38	NO	
L0001360	0	0.55170E-06	471555.5	3753280.9	488.0	3.63	3.93	3.38	NO	
L0001361	0	0.55170E-06	471555.2	3753289.3	487.9	3.63	3.93	3.38	NO	
L0001362	0	0.55170E-06	471555.0	3753297.7	487.6	3.63	3.93	3.38	NO	
L0001363	0	0.55170E-06	471554.7	3753306.2	487.4	3.63	3.93	3.38	NO	
L0001364	0	0.55170E-06	471554.4	3753314.6	487.1	3.63	3.93	3.38	NO	
L0001365	0	0.55170E-06	471554.1	3753323.0	486.8	3.63	3.93	3.38	NO	
L0001366	0	0.55170E-06	471553.9	3753331.5	486.5	3.63	3.93	3.38	NO	
L0001367	0	0.55170E-06	471553.6	3753339.9	486.2	3.63	3.93	3.38	NO	
L0001368	0	0.55170E-06	471553.3	3753348.3	485.8	3.63	3.93	3.38	NO	
L0001369	0	0.55170E-06	471553.1	3753356.8	485.1	3.63	3.93	3.38	NO	
L0001370	0	0.55170E-06	471552.8	3753365.2	484.3	3.63	3.93	3.38	NO	
L0001371	0	0.55170E-06	471552.5	3753373.6	483.5	3.63	3.93	3.38	NO	

L0001372	0	0.55170E-06	471552.3	3753382.1	483.2	3.63	3.93	3.38	NO
L0001373	0	0.55170E-06	471552.0	3753390.5	483.1	3.63	3.93	3.38	NO
L0001374	0	0.55170E-06	471551.7	3753399.0	483.1	3.63	3.93	3.38	NO
L0001375	0	0.55170E-06	471551.5	3753407.4	483.0	3.63	3.93	3.38	NO
L0001376	0	0.55170E-06	471551.2	3753415.8	482.8	3.63	3.93	3.38	NO
L0001377	0	0.55170E-06	471547.1	3753421.9	482.4	3.63	3.93	3.38	NO
L0001378	0	0.55170E-06	471539.7	3753425.9	481.9	3.63	3.93	3.38	NO
L0001379	0	0.55170E-06	471532.3	3753429.9	481.5	3.63	3.93	3.38	NO
L0001380	0	0.55170E-06	471524.9	3753433.9	481.2	3.63	3.93	3.38	NO
L0001381	0	0.55170E-06	471517.4	3753437.9	481.4	3.63	3.93	3.38	NO
L0001382	0	0.55170E-06	471509.1	3753438.2	482.7	3.63	3.93	3.38	NO
L0001383	0	0.55170E-06	471500.7	3753437.9	484.2	3.63	3.93	3.38	NO
L0001384	0	0.55170E-06	471492.2	3753437.7	485.6	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001385	0	0.55170E-06	471483.8	3753437.4	486.4	3.63	3.93	3.38	NO	
L0001386	0	0.55170E-06	471475.4	3753437.1	486.9	3.63	3.93	3.38	NO	
L0001387	0	0.55170E-06	471466.9	3753436.8	487.5	3.63	3.93	3.38	NO	
L0001388	0	0.55170E-06	471458.5	3753436.6	488.0	3.63	3.93	3.38	NO	
L0001389	0	0.55170E-06	471450.1	3753436.3	488.0	3.63	3.93	3.38	NO	
L0001390	0	0.55170E-06	471441.6	3753436.0	487.9	3.63	3.93	3.38	NO	
L0001391	0	0.55170E-06	471433.2	3753435.7	487.9	3.63	3.93	3.38	NO	
L0001392	0	0.55170E-06	471424.8	3753435.5	487.4	3.63	3.93	3.38	NO	
L0001393	0	0.55170E-06	471416.3	3753435.2	486.6	3.63	3.93	3.38	NO	
L0001394	0	0.55170E-06	471407.9	3753434.9	485.8	3.63	3.93	3.38	NO	
L0001395	0	0.55170E-06	471403.1	3753428.7	485.1	3.63	3.93	3.38	NO	
L0001396	0	0.55170E-06	471398.9	3753421.3	484.4	3.63	3.93	3.38	NO	
L0001397	0	0.55170E-06	471396.1	3753413.7	483.9	3.63	3.93	3.38	NO	
L0001398	0	0.55170E-06	471396.4	3753405.2	483.6	3.63	3.93	3.38	NO	
L0001399	0	0.55170E-06	471396.7	3753396.8	483.4	3.63	3.93	3.38	NO	
L0001400	0	0.55170E-06	471395.3	3753388.6	483.1	3.63	3.93	3.38	NO	
L0001401	0	0.55170E-06	471392.5	3753380.6	482.6	3.63	3.93	3.38	NO	
L0001402	0	0.55170E-06	471389.8	3753372.7	482.4	3.63	3.93	3.38	NO	
L0001403	0	0.55170E-06	471387.2	3753364.6	482.5	3.63	3.93	3.38	NO	
L0001404	0	0.55170E-06	471385.0	3753356.5	482.7	3.63	3.93	3.38	NO	
L0001405	0	0.55170E-06	471382.8	3753348.3	482.9	3.63	3.93	3.38	NO	
L0001406	0	0.55170E-06	471380.6	3753340.2	483.8	3.63	3.93	3.38	NO	
L0001407	0	0.55170E-06	471379.2	3753331.9	484.8	3.63	3.93	3.38	NO	
L0001408	0	0.55170E-06	471379.2	3753323.5	485.8	3.63	3.93	3.38	NO	

L0001409	0	0.55170E-06	471379.2	3753315.1	486.7	3.63	3.93	3.38	NO
L0001410	0	0.55170E-06	471379.2	3753306.6	487.1	3.63	3.93	3.38	NO
L0001411	0	0.55170E-06	471379.2	3753298.2	487.5	3.63	3.93	3.38	NO
L0001412	0	0.55170E-06	471379.2	3753289.7	487.9	3.63	3.93	3.38	NO
L0001413	0	0.55170E-06	471379.2	3753281.3	488.0	3.63	3.93	3.38	NO
L0001414	0	0.55170E-06	471379.2	3753272.9	488.0	3.63	3.93	3.38	NO
L0001415	0	0.55170E-06	471379.2	3753264.4	488.0	3.63	3.93	3.38	NO
L0001416	0	0.55170E-06	471379.2	3753256.0	488.0	3.63	3.93	3.38	NO
L0001417	0	0.55170E-06	471379.2	3753247.5	488.0	3.63	3.93	3.38	NO
L0001418	0	0.55170E-06	471379.2	3753239.1	488.0	3.63	3.93	3.38	NO
L0001419	0	0.55170E-06	471379.2	3753230.7	488.0	3.63	3.93	3.38	NO
L0001420	0	0.55170E-06	471379.2	3753222.2	488.1	3.63	3.93	3.38	NO
L0001421	0	0.55170E-06	471379.2	3753213.8	488.1	3.63	3.93	3.38	NO
L0001422	0	0.55170E-06	471379.2	3753205.3	488.2	3.63	3.93	3.38	NO
L0001423	0	0.55170E-06	471379.2	3753196.9	488.3	3.63	3.93	3.38	NO
L0001424	0	0.55170E-06	471379.2	3753188.5	488.7	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001425	0	0.55170E-06	471379.2	3753180.0	489.1	3.63	3.93	3.38	NO	
L0001426	0	0.55170E-06	471379.2	3753171.6	489.5	3.63	3.93	3.38	NO	
L0001427	0	0.55170E-06	471379.2	3753163.1	489.7	3.63	3.93	3.38	NO	
L0001428	0	0.55170E-06	471379.2	3753154.7	489.7	3.63	3.93	3.38	NO	
L0001429	0	0.55170E-06	471379.2	3753146.3	489.7	3.63	3.93	3.38	NO	
L0001430	0	0.55170E-06	471379.2	3753137.8	489.7	3.63	3.93	3.38	NO	
L0001431	0	0.55170E-06	471379.2	3753129.4	489.8	3.63	3.93	3.38	NO	
L0001432	0	0.55170E-06	471379.2	3753120.9	489.9	3.63	3.93	3.38	NO	
L0001433	0	0.55170E-06	471379.2	3753112.5	489.9	3.63	3.93	3.38	NO	
L0001434	0	0.55170E-06	471379.2	3753104.1	490.1	3.63	3.93	3.38	NO	
L0001435	0	0.55170E-06	471379.2	3753095.6	490.2	3.63	3.93	3.38	NO	
L0001436	0	0.55170E-06	471379.2	3753087.2	490.4	3.63	3.93	3.38	NO	
L0001437	0	0.55170E-06	471379.3	3753078.7	490.6	3.63	3.93	3.38	NO	
L0001438	0	0.55170E-06	471379.3	3753070.3	490.5	3.63	3.93	3.38	NO	
L0001439	0	0.55170E-06	471379.4	3753061.9	490.2	3.63	3.93	3.38	NO	
L0001440	0	0.55170E-06	471379.4	3753053.4	489.9	3.63	3.93	3.38	NO	
L0001441	0	0.55170E-06	471379.5	3753045.0	489.7	3.63	3.93	3.38	NO	
L0001442	0	0.55170E-06	471379.6	3753036.5	489.6	3.63	3.93	3.38	NO	
L0001443	0	0.55170E-06	471379.6	3753028.1	489.5	3.63	3.93	3.38	NO	
L0001444	0	0.55170E-06	471379.7	3753019.7	489.4	3.63	3.93	3.38	NO	
L0001445	0	0.55170E-06	471379.7	3753011.2	489.1	3.63	3.93	3.38	NO	

L0001446	0	0.55170E-06	471379.8	3753002.8	488.7	3.63	3.93	3.38	NO
L0001447	0	0.55170E-06	471379.9	3752994.3	488.3	3.63	3.93	3.38	NO
L0001448	0	0.55170E-06	471379.9	3752985.9	488.0	3.63	3.93	3.38	NO
L0001449	0	0.55170E-06	471380.0	3752977.5	488.3	3.63	3.93	3.38	NO
L0001450	0	0.68970E-06	470993.5	3753186.3	495.4	3.63	3.93	3.38	NO
L0001451	0	0.68970E-06	471002.0	3753186.4	494.9	3.63	3.93	3.38	NO
L0001452	0	0.68970E-06	471010.4	3753186.6	494.3	3.63	3.93	3.38	NO
L0001453	0	0.68970E-06	471018.8	3753186.7	494.2	3.63	3.93	3.38	NO
L0001454	0	0.68970E-06	471027.3	3753186.8	494.1	3.63	3.93	3.38	NO
L0001455	0	0.68970E-06	471035.7	3753187.0	494.0	3.63	3.93	3.38	NO
L0001456	0	0.68970E-06	471044.2	3753187.1	493.7	3.63	3.93	3.38	NO
L0001457	0	0.68970E-06	471052.6	3753187.2	493.3	3.63	3.93	3.38	NO
L0001458	0	0.68970E-06	471061.0	3753187.4	492.8	3.63	3.93	3.38	NO
L0001459	0	0.68970E-06	471069.5	3753187.5	492.3	3.63	3.93	3.38	NO
L0001460	0	0.68970E-06	471077.9	3753187.6	492.0	3.63	3.93	3.38	NO
L0001461	0	0.68970E-06	471086.4	3753187.8	491.7	3.63	3.93	3.38	NO
L0001462	0	0.68970E-06	471094.8	3753187.9	491.4	3.63	3.93	3.38	NO
L0001463	0	0.68970E-06	471103.2	3753188.0	491.2	3.63	3.93	3.38	NO
L0001464	0	0.68970E-06	471111.7	3753188.1	490.9	3.63	3.93	3.38	NO

*** 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
L0001465	0	0.68970E-06	471120.1	3753188.3	490.6	3.63	3.93	3.38	NO	
L0001466	0	0.68970E-06	471128.5	3753188.4	490.3	3.63	3.93	3.38	NO	
L0001467	0	0.68970E-06	471137.0	3753188.5	490.0	3.63	3.93	3.38	NO	
L0001468	0	0.68970E-06	471145.4	3753188.7	489.7	3.63	3.93	3.38	NO	
L0001469	0	0.68970E-06	471153.9	3753188.8	489.4	3.63	3.93	3.38	NO	
L0001470	0	0.68970E-06	471162.3	3753188.9	489.3	3.63	3.93	3.38	NO	
L0001471	0	0.68970E-06	471170.7	3753189.1	489.2	3.63	3.93	3.38	NO	
L0001472	0	0.68970E-06	471179.2	3753189.2	489.2	3.63	3.93	3.38	NO	
L0001473	0	0.68970E-06	471187.6	3753189.3	489.2	3.63	3.93	3.38	NO	
L0001474	0	0.68970E-06	471196.1	3753189.5	489.2	3.63	3.93	3.38	NO	
L0001475	0	0.68970E-06	471204.5	3753189.6	489.1	3.63	3.93	3.38	NO	
L0001476	0	0.68970E-06	471212.9	3753189.7	489.1	3.63	3.93	3.38	NO	
L0001477	0	0.68970E-06	471221.4	3753189.9	488.9	3.63	3.93	3.38	NO	
L0001478	0	0.68970E-06	471229.8	3753190.0	488.7	3.63	3.93	3.38	NO	
L0001479	0	0.68970E-06	471231.6	3753183.8	488.6	3.63	3.93	3.38	NO	
L0001480	0	0.68970E-06	471223.9	3753182.8	488.9	3.63	3.93	3.38	NO	
L0001481	0	0.68970E-06	471215.5	3753182.7	489.1	3.63	3.93	3.38	NO	
L0001482	0	0.68970E-06	471207.1	3753182.6	489.2	3.63	3.93	3.38	NO	

L0001483	0	0.68970E-06	471198.6	3753182.4	489.3	3.63	3.93	3.38	NO
L0001484	0	0.68970E-06	471190.2	3753182.3	489.5	3.63	3.93	3.38	NO
L0001485	0	0.68970E-06	471181.7	3753182.2	489.5	3.63	3.93	3.38	NO
L0001486	0	0.68970E-06	471173.3	3753182.0	489.5	3.63	3.93	3.38	NO
L0001487	0	0.68970E-06	471164.9	3753181.9	489.5	3.63	3.93	3.38	NO
L0001488	0	0.68970E-06	471156.4	3753181.8	489.6	3.63	3.93	3.38	NO
L0001489	0	0.68970E-06	471148.0	3753181.6	489.9	3.63	3.93	3.38	NO
L0001490	0	0.68970E-06	471139.5	3753181.5	490.2	3.63	3.93	3.38	NO
L0001491	0	0.68970E-06	471131.1	3753181.4	490.5	3.63	3.93	3.38	NO
L0001492	0	0.68970E-06	471122.7	3753181.2	490.7	3.63	3.93	3.38	NO
L0001493	0	0.68970E-06	471114.2	3753181.1	491.0	3.63	3.93	3.38	NO
L0001494	0	0.68970E-06	471105.8	3753181.0	491.3	3.63	3.93	3.38	NO
L0001495	0	0.68970E-06	471097.4	3753180.8	491.6	3.63	3.93	3.38	NO
L0001496	0	0.68970E-06	471088.9	3753180.7	491.9	3.63	3.93	3.38	NO
L0001497	0	0.68970E-06	471080.5	3753180.6	492.2	3.63	3.93	3.38	NO
L0001498	0	0.68970E-06	471072.0	3753180.4	492.5	3.63	3.93	3.38	NO
L0001499	0	0.68970E-06	471063.6	3753180.3	492.8	3.63	3.93	3.38	NO
L0001500	0	0.68970E-06	471055.2	3753180.2	493.2	3.63	3.93	3.38	NO
L0001501	0	0.68970E-06	471046.7	3753180.0	493.7	3.63	3.93	3.38	NO
L0001502	0	0.68970E-06	471038.3	3753179.9	494.0	3.63	3.93	3.38	NO
L0001503	0	0.68970E-06	471029.8	3753179.8	494.2	3.63	3.93	3.38	NO
L0001504	0	0.68970E-06	471021.4	3753179.6	494.3	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001505	0	0.68970E-06	471013.0	3753179.5	494.5	3.63	3.93	3.38	NO	
L0001506	0	0.68970E-06	471004.5	3753179.4	494.9	3.63	3.93	3.38	NO	
L0001507	0	0.68970E-06	470996.1	3753179.2	495.5	3.63	3.93	3.38	NO	
L0001508	0	0.38100E-06	471402.4	3753337.5	484.7	3.63	3.93	3.38	NO	
L0001509	0	0.38100E-06	471402.4	3753329.1	486.0	3.63	3.93	3.38	NO	
L0001510	0	0.38100E-06	471402.4	3753320.7	487.2	3.63	3.93	3.38	NO	
L0001511	0	0.38100E-06	471402.4	3753312.2	487.8	3.63	3.93	3.38	NO	
L0001512	0	0.38100E-06	471402.4	3753303.8	487.9	3.63	3.93	3.38	NO	
L0001513	0	0.38100E-06	471402.4	3753295.3	487.9	3.63	3.93	3.38	NO	
L0001514	0	0.38100E-06	471402.4	3753286.9	488.0	3.63	3.93	3.38	NO	
L0001515	0	0.38100E-06	471402.4	3753278.5	488.0	3.63	3.93	3.38	NO	
L0001516	0	0.38100E-06	471402.4	3753270.0	488.0	3.63	3.93	3.38	NO	
L0001517	0	0.38100E-06	471402.4	3753261.6	488.0	3.63	3.93	3.38	NO	
L0001518	0	0.38100E-06	471402.4	3753253.1	488.0	3.63	3.93	3.38	NO	
L0001519	0	0.38100E-06	471402.4	3753244.7	488.0	3.63	3.93	3.38	NO	

L0001520	0	0.38100E-06	471402.4	3753236.3	488.1	3.63	3.93	3.38	NO
L0001521	0	0.38100E-06	471402.4	3753227.8	488.1	3.63	3.93	3.38	NO
L0001522	0	0.38100E-06	471402.4	3753219.4	488.3	3.63	3.93	3.38	NO
L0001523	0	0.38100E-06	471402.4	3753210.9	488.6	3.63	3.93	3.38	NO
L0001524	0	0.38100E-06	471402.4	3753202.5	488.8	3.63	3.93	3.38	NO
L0001525	0	0.38100E-06	471402.4	3753194.1	489.0	3.63	3.93	3.38	NO
L0001526	0	0.38100E-06	471402.4	3753185.6	489.0	3.63	3.93	3.38	NO
L0001527	0	0.38100E-06	471402.4	3753177.2	489.0	3.63	3.93	3.38	NO
L0001528	0	0.38100E-06	471402.4	3753168.7	489.0	3.63	3.93	3.38	NO
L0001529	0	0.40740E-06	471534.8	3753393.6	482.4	3.63	3.93	3.38	NO
L0001530	0	0.40740E-06	471534.9	3753385.1	482.7	3.63	3.93	3.38	NO
L0001531	0	0.40740E-06	471535.0	3753376.7	483.0	3.63	3.93	3.38	NO
L0001532	0	0.40740E-06	471535.1	3753368.2	483.8	3.63	3.93	3.38	NO
L0001533	0	0.40740E-06	471535.2	3753359.8	484.7	3.63	3.93	3.38	NO
L0001534	0	0.40740E-06	471535.2	3753351.4	485.5	3.63	3.93	3.38	NO
L0001535	0	0.40740E-06	471535.3	3753342.9	486.1	3.63	3.93	3.38	NO
L0001536	0	0.40740E-06	471535.4	3753334.5	486.2	3.63	3.93	3.38	NO
L0001537	0	0.40740E-06	471535.5	3753326.0	486.4	3.63	3.93	3.38	NO
L0001538	0	0.40740E-06	471535.6	3753317.6	486.5	3.63	3.93	3.38	NO
L0001539	0	0.40740E-06	471535.7	3753309.2	486.8	3.63	3.93	3.38	NO
L0001540	0	0.40740E-06	471535.8	3753300.7	487.1	3.63	3.93	3.38	NO
L0001541	0	0.40740E-06	471535.9	3753292.3	487.4	3.63	3.93	3.38	NO
L0001542	0	0.40740E-06	471536.0	3753283.8	487.6	3.63	3.93	3.38	NO
L0001543	0	0.40740E-06	471536.1	3753275.4	487.6	3.63	3.93	3.38	NO
L0001544	0	0.40740E-06	471536.2	3753267.0	487.6	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001545	0	0.40740E-06	471536.3	3753258.5	487.6	3.63	3.93	3.38	NO	
L0001546	0	0.40740E-06	471536.4	3753250.1	487.6	3.63	3.93	3.38	NO	
L0001547	0	0.40740E-06	471536.5	3753241.6	487.6	3.63	3.93	3.38	NO	
L0001548	0	0.40740E-06	471536.6	3753233.2	487.6	3.63	3.93	3.38	NO	
L0001549	0	0.40740E-06	471536.7	3753224.8	487.6	3.63	3.93	3.38	NO	
L0001550	0	0.40740E-06	471536.8	3753216.3	487.6	3.63	3.93	3.38	NO	
L0001551	0	0.40740E-06	471536.9	3753207.9	487.6	3.63	3.93	3.38	NO	
L0001552	0	0.40740E-06	471536.9	3753199.4	487.6	3.63	3.93	3.38	NO	
L0001553	0	0.40740E-06	471537.0	3753191.0	487.6	3.63	3.93	3.38	NO	
L0001554	0	0.40740E-06	471537.1	3753182.6	487.6	3.63	3.93	3.38	NO	
L0001555	0	0.40740E-06	471537.2	3753174.1	487.6	3.63	3.93	3.38	NO	
L0001556	0	0.42110E-06	471068.9	3753208.3	491.6	3.63	3.93	3.38	NO	

L0001557	0	0.42110E-06	471077.4	3753208.4	491.4	3.63	3.93	3.38	NO
L0001558	0	0.42110E-06	471085.8	3753208.4	491.1	3.63	3.93	3.38	NO
L0001559	0	0.42110E-06	471094.3	3753208.5	490.8	3.63	3.93	3.38	NO
L0001560	0	0.42110E-06	471102.7	3753208.5	490.5	3.63	3.93	3.38	NO
L0001561	0	0.42110E-06	471111.1	3753208.6	490.1	3.63	3.93	3.38	NO
L0001562	0	0.42110E-06	471119.6	3753208.7	489.7	3.63	3.93	3.38	NO
L0001563	0	0.42110E-06	471128.0	3753208.7	489.3	3.63	3.93	3.38	NO
L0001564	0	0.42110E-06	471136.5	3753208.8	489.1	3.63	3.93	3.38	NO
L0001565	0	0.42110E-06	471144.9	3753208.8	488.9	3.63	3.93	3.38	NO
L0001566	0	0.42110E-06	471153.3	3753208.9	488.7	3.63	3.93	3.38	NO
L0001567	0	0.42110E-06	471161.8	3753209.0	488.6	3.63	3.93	3.38	NO
L0001568	0	0.42110E-06	471170.2	3753209.0	488.6	3.63	3.93	3.38	NO
L0001569	0	0.42110E-06	471178.7	3753209.1	488.6	3.63	3.93	3.38	NO
L0001570	0	0.42110E-06	471187.1	3753209.2	488.6	3.63	3.93	3.38	NO
L0001571	0	0.42110E-06	471195.5	3753209.2	488.6	3.63	3.93	3.38	NO
L0001572	0	0.42110E-06	471204.0	3753209.3	488.6	3.63	3.93	3.38	NO
L0001573	0	0.42110E-06	471212.4	3753209.3	488.6	3.63	3.93	3.38	NO
L0001574	0	0.42110E-06	471220.9	3753209.4	488.6	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0001305 , L0001306 , L0001307 , L0001308 , L0001309 , L0001310 , L0001311 , L0001312 , L0001313 , 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 , 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 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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

L0001465 , L0001466 , L0001467 , L0001468 , L0001469 , L0001470 , L0001471 , L0001472 ,

L0001473 , L0001474 , L0001475 , L0001476 , L0001477 , L0001478 , L0001479 , L0001480 ,

L0001481 , L0001482 , L0001483 , L0001484 , L0001485 , L0001486 , L0001487 , L0001488 ,

L0001489 , L0001490 , L0001491 , L0001492 , L0001493 , L0001494 , L0001495 , L0001496 ,

L0001497 , L0001498 , L0001499 , L0001500 , L0001501 , L0001502 , L0001503 , L0001504 ,

L0001505 , L0001506 , L0001507 , L0001508 , L0001509 , L0001510 , L0001511 , L0001512 ,

L0001513 , L0001514 , L0001515 , L0001516 , L0001517 , L0001518 , L0001519 , L0001520 ,

L0001521 , L0001522 , L0001523 , L0001524 , L0001525 , L0001526 , L0001527 , L0001528 ,

L0001529 , L0001530 , L0001531 , L0001532 , L0001533 , L0001534 , L0001535 , L0001536 ,

L0001537 , L0001538 , L0001539 , L0001540 , L0001541 , L0001542 , L0001543 , L0001544 ,

L0001545 , L0001546 , L0001547 , L0001548 , L0001549 , L0001550 , L0001551 , L0001552 ,

L0001553 , L0001554 , L0001555 , L0001556 , L0001557 , L0001558 , L0001559 , L0001560 ,

L0001561 , L0001562 , L0001563 , L0001564 , L0001565 , L0001566 , L0001567 , L0001568 ,

L0001569 , L0001570 , L0001571 , L0001572 , L0001573 , L0001574 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

470324.3, 470374.3, 470424.3, 470474.3, 470524.3, 470574.3, 470624.3, 470674.3, 470724.3, 470774.3,
470824.3, 470874.3, 470924.3, 470974.3, 471024.3, 471074.3, 471124.3, 471174.3, 471224.3, 471274.3,
471324.3, 471374.3, 471424.3, 471474.3, 471524.3, 471574.3, 471624.3, 471674.3, 471724.3, 471774.3,
471824.3, 471874.3, 471924.3, 471974.3, 472024.3, 472074.3, 472124.3, 472174.3, 472224.3, 472274.3,

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

3752273.1, 3752323.1, 3752373.1, 3752423.1, 3752473.1, 3752523.1, 3752573.1, 3752623.1, 3752673.1, 3752723.1,
3752773.1, 3752823.1, 3752873.1, 3752923.1, 3752973.1, 3753023.1, 3753073.1, 3753123.1, 3753173.1, 3753223.1,
3753273.1, 3753323.1, 3753373.1, 3753423.1, 3753473.1, 3753523.1, 3753573.1, 3753623.1, 3753673.1, 3753723.1,
3753773.1, 3753823.1, 3753873.1, 3753923.1, 3753973.1, 3754023.1, 3754073.1, 3754123.1, 3754173.1, 3754223.1,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470324.27	470374.27	470424.27	470474.27	470524.27	470574.27	470624.27	470674.27	470724.27
3754223.10	475.20	475.40	475.10	474.30	473.60	470.80	466.80	467.50	466.30
3754173.10	485.60	482.30	479.00	476.60	472.40	468.70	470.10	471.70	469.90
3754123.10	489.30	483.40	479.50	475.60	469.80	470.10	472.30	474.30	474.00

3754073.10 |	485.60	477.00	474.30	475.30	484.60	481.60	474.20	479.70	474.00
3754023.10 |	480.20	475.90	479.20	487.20	488.20	483.00	482.80	475.60	475.80
3753973.10 |	483.00	483.40	488.40	487.90	487.20	486.60	482.30	477.90	479.40
3753923.10 |	485.30	489.40	493.40	491.00	489.90	487.50	482.80	482.10	484.00
3753873.10 |	487.10	492.00	495.90	495.70	493.30	490.40	486.70	483.30	487.60
3753823.10 |	490.20	494.70	500.20	500.90	498.70	495.00	489.70	485.60	488.00
3753773.10 |	491.00	497.80	501.90	501.70	499.70	493.50	489.70	487.60	488.80
3753723.10 |	494.30	499.40	501.50	500.50	498.70	494.70	492.70	491.50	489.30
3753673.10 |	500.00	500.10	500.50	500.60	498.30	495.30	495.00	492.50	488.60
3753623.10 |	500.20	500.40	500.90	499.90	499.70	499.00	495.80	493.40	489.80
3753573.10 |	500.50	502.20	501.20	500.50	500.10	499.30	496.10	493.50	493.00
3753523.10 |	502.00	502.10	502.20	501.10	500.30	499.10	497.80	495.30	494.10
3753473.10 |	502.80	503.00	503.90	502.90	502.10	501.20	500.30	497.10	495.70
3753423.10 |	502.60	503.50	504.70	505.50	505.00	502.70	500.30	498.20	497.70
3753373.10 |	503.30	504.00	505.00	506.20	506.20	503.50	500.00	499.00	498.60
3753323.10 |	504.00	504.60	505.00	506.20	506.20	503.50	501.50	499.20	499.80
3753273.10 |	503.10	503.80	505.20	507.20	507.60	505.50	501.30	500.50	501.00
3753223.10 |	500.30	504.50	507.30	512.80	512.70	507.90	505.80	503.40	501.90
3753173.10 |	500.30	504.50	509.50	519.70	518.70	513.00	506.50	503.40	501.10
3753123.10 |	499.80	501.50	506.00	514.10	517.50	511.40	505.50	504.60	502.50
3753073.10 |	497.90	498.80	500.90	504.60	505.50	506.20	504.80	503.90	503.90
3753023.10 |	497.20	498.80	499.70	500.40	501.40	501.50	501.30	501.10	502.20
3752973.10 |	496.10	497.00	497.10	497.80	498.50	499.30	500.00	500.00	501.50
3752923.10 |	494.90	494.90	493.90	494.30	497.60	499.60	500.10	500.80	500.90
3752873.10 |	493.20	493.20	493.50	495.00	498.30	500.40	501.00	500.30	500.10
3752823.10 |	493.50	493.50	493.70	494.30	498.00	499.70	500.00	499.60	499.50
3752773.10 |	494.00	494.00	494.00	494.00	496.90	499.20	498.90	498.90	498.90
3752723.10 |	494.00	494.00	494.00	494.00	494.00	495.40	496.60	497.20	498.00
3752673.10 |	492.60	493.80	494.00	494.50	494.90	497.00	496.50	496.90	497.50
3752623.10 |	491.90	493.70	493.90	494.00	494.80	495.90	495.00	495.00	496.50
3752573.10 |	489.40	491.30	492.20	494.00	494.20	495.00	494.20	494.80	495.70
3752523.10 |	488.00	488.50	489.30	492.30	493.90	494.50	494.00	494.00	495.30
3752473.10 |	488.10	488.10	488.10	489.60	493.80	494.00	494.00	494.10	494.70
3752423.10 |	489.80	489.80	489.70	491.40	492.90	493.60	494.80	495.60	496.40
3752373.10 |	489.20	490.50	491.70	492.50	492.90	493.50	494.20	496.60	498.70
3752323.10 |	488.10	491.40	492.50	494.30	495.10	495.20	494.60	498.50	500.10
3752273.10 |	490.10	493.20	492.90	494.30	495.80	498.20	498.50	499.10	500.50

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD | (METERS) |	X-COORD (METERS) 470774.27	470824.27	470874.27	470924.27	470974.27	471024.27	471074.27	471124.27	471174.27

3754223.10 |	467.20	470.70	469.70	462.20	456.70	454.30	460.50	453.00	447.00
3754173.10 |	468.00	468.50	469.30	466.40	462.80	460.80	467.00	461.30	453.00
3754123.10 |	469.40	469.70	469.40	468.20	464.80	471.00	471.90	464.40	454.00
3754073.10 |	473.80	477.00	472.60	470.60	469.10	474.50	473.30	466.20	458.20
3754023.10 |	481.20	481.90	479.70	481.30	474.40	470.50	475.20	467.90	463.10
3753973.10 |	484.00	483.70	483.30	482.20	481.90	474.20	475.80	479.90	473.20
3753923.10 |	485.90	481.60	479.20	476.90	475.00	476.60	475.30	481.80	479.20
3753873.10 |	486.20	481.00	478.80	475.00	479.40	481.50	479.90	478.70	475.90
3753823.10 |	483.60	487.10	483.80	475.40	478.50	483.60	482.90	482.70	479.20
3753773.10 |	487.20	490.30	488.00	480.50	480.10	484.00	480.80	476.50	475.10
3753723.10 |	488.00	489.20	488.20	482.10	482.50	486.20	481.70	478.60	474.80
3753673.10 |	488.30	489.90	487.90	482.10	484.60	488.20	485.70	480.50	474.10
3753623.10 |	489.80	490.80	488.70	486.30	488.30	489.90	485.80	478.50	475.40
3753573.10 |	492.80	492.80	489.70	487.80	491.10	488.90	483.00	481.30	481.10
3753523.10 |	494.90	494.90	491.90	495.60	494.60	493.90	489.30	489.00	486.70
3753473.10 |	497.20	497.40	496.80	500.80	500.40	498.10	493.50	490.30	487.30
3753423.10 |	500.00	499.50	499.70	500.10	499.40	497.30	493.50	488.40	487.90
3753373.10 |	500.00	500.00	500.40	498.90	496.40	494.00	492.40	493.80	494.00
3753323.10 |	499.90	499.20	499.20	497.80	495.40	494.80	494.80	494.10	492.70
3753273.10 |	500.40	499.20	498.20	497.50	495.80	494.50	493.50	492.00	488.80
3753223.10 |	500.70	499.30	499.10	498.70	495.40	493.10	491.00	488.60	488.10
3753173.10 |	500.00	500.00	500.00	498.80	497.00	494.40	492.60	491.00	489.80
3753123.10 |	501.40	500.60	500.00	500.40	499.20	495.00	493.50	492.20	490.50
3753073.10 |	502.80	501.30	501.10	500.10	498.40	495.60	493.90	492.30	490.20
3753023.10 |	502.20	502.00	501.20	500.80	499.20	496.00	493.90	492.40	491.50
3752973.10 |	501.50	501.10	501.00	500.40	498.40	494.30	493.00	492.50	492.70
3752923.10 |	500.90	500.20	500.00	500.00	497.50	494.40	495.00	494.20	494.70
3752873.10 |	500.00	500.00	500.00	499.90	499.40	498.20	497.70	498.40	498.00
3752823.10 |	499.10	499.90	500.00	500.10	500.50	499.70	500.10	500.50	500.50
3752773.10 |	499.90	500.00	500.00	500.00	500.80	500.60	501.10	501.80	502.00
3752723.10 |	499.00	499.90	500.00	500.10	501.00	501.80	502.10	502.80	502.80
3752673.10 |	498.10	498.90	499.30	500.00	501.20	502.50	503.50	503.90	503.70
3752623.10 |	497.90	498.10	499.10	500.00	500.80	502.90	504.20	505.10	505.00
3752573.10 |	496.50	498.20	499.50	500.90	501.80	502.90	504.90	506.00	505.80
3752523.10 |	497.60	498.80	500.20	501.60	503.30	503.70	504.60	505.80	507.20
3752473.10 |	497.30	498.80	500.50	502.40	504.10	504.60	505.00	505.70	506.50
3752423.10 |	498.20	499.60	500.10	504.10	505.80	505.40	505.90	505.90	506.10
3752373.10 |	499.50	500.40	501.70	504.70	505.90	506.30	506.90	509.30	509.30
3752323.10 |	500.10	500.00	501.50	503.10	504.00	505.50	506.70	510.90	513.00
3752273.10 |	501.00	500.10	501.50	503.10	504.60	506.30	508.20	511.70	513.40

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD | X-COORD (METERS)

(METERS)	471224.27	471274.27	471324.27	471374.27	471424.27	471474.27	471524.27	471574.27	471624.27
3754223.10	440.80	437.10	439.70	449.00	457.90	463.20	464.20	466.50	466.90
3754173.10	445.90	440.60	439.10	439.90	447.60	454.20	459.50	463.00	467.50
3754123.10	451.20	447.50	443.20	440.20	442.30	448.10	456.20	461.10	464.00
3754073.10	452.20	451.60	447.20	443.90	440.50	443.40	450.80	455.60	459.30
3754023.10	460.80	451.80	452.40	449.50	446.70	441.90	445.10	448.50	454.20
3753973.10	462.20	458.60	456.40	454.00	451.60	448.60	443.40	445.80	451.00
3753923.10	470.20	467.10	462.20	458.40	456.90	452.90	446.00	445.60	448.70
3753873.10	474.90	474.50	466.70	460.60	454.70	448.30	444.50	444.10	445.90
3753823.10	475.50	471.30	466.90	458.90	457.00	457.70	452.50	446.20	447.60
3753773.10	472.00	468.50	468.60	468.80	464.70	463.00	462.60	456.40	454.40
3753723.10	474.40	470.30	469.30	471.10	469.50	466.60	466.50	462.80	456.60
3753673.10	471.30	470.40	469.50	470.20	474.50	469.60	469.00	464.30	464.70
3753623.10	477.90	472.90	469.50	473.30	477.60	472.10	468.50	466.50	469.50
3753573.10	480.10	475.80	473.00	478.00	483.50	480.20	472.40	475.50	476.00
3753523.10	482.20	475.60	478.60	485.60	489.00	485.90	481.40	476.30	480.00
3753473.10	482.20	478.40	479.50	484.70	488.60	487.70	481.60	481.10	481.30
3753423.10	486.20	481.10	480.70	482.50	486.60	485.90	481.20	483.30	483.60
3753373.10	484.40	481.30	481.50	481.50	485.60	486.70	483.40	484.80	487.90
3753323.10	485.90	484.20	481.90	485.60	486.30	488.00	486.10	486.80	487.50
3753273.10	488.00	487.20	485.10	488.00	488.00	488.00	487.20	488.00	488.00
3753223.10	488.10	487.90	487.10	488.00	488.80	488.00	487.20	488.00	488.00
3753173.10	488.80	487.20	488.40	489.50	489.00	488.00	487.20	488.00	488.00
3753123.10	488.80	488.00	488.70	489.90	489.10	488.00	487.10	487.50	487.80
3753073.10	488.80	488.10	489.60	490.70	489.10	487.60	487.10	487.80	487.60
3753023.10	491.10	490.40	490.40	489.70	488.00	488.00	488.00	488.00	488.40
3752973.10	492.90	492.50	492.20	488.50	488.80	489.90	489.80	489.00	489.00
3752923.10	494.40	494.40	494.20	492.20	493.70	492.60	493.80	492.20	490.60
3752873.10	497.60	498.20	497.90	495.40	494.80	493.50	494.00	493.00	491.50
3752823.10	499.50	500.40	500.00	498.30	496.60	494.00	494.50	493.60	492.20
3752773.10	501.10	501.80	500.50	499.00	499.10	497.20	497.90	494.50	493.10
3752723.10	502.70	502.60	501.30	499.80	500.60	499.80	500.00	497.10	493.90
3752673.10	503.50	503.50	502.40	501.30	500.10	500.00	499.80	497.50	496.60
3752623.10	504.30	505.10	505.10	501.70	500.00	500.60	500.00	500.10	499.20
3752573.10	505.70	505.80	505.90	502.50	500.20	501.90	500.40	503.20	501.30
3752523.10	506.40	506.00	506.50	503.30	502.40	505.50	505.80	507.90	504.40
3752473.10	507.90	506.30	507.20	505.30	506.80	508.30	508.10	511.90	506.80
3752423.10	508.10	510.50	511.40	507.30	507.50	512.60	515.30	513.50	511.50
3752373.10	510.40	511.70	512.80	511.70	509.90	516.10	519.40	515.10	514.40
3752323.10	512.90	512.80	512.10	513.80	513.10	518.90	520.10	518.60	518.10
3752273.10	514.60	513.70	515.30	516.70	517.40	518.40	521.90	520.50	518.90

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 471674.27	471724.27	471774.27	471824.27	471874.27	471924.27	471974.27	472024.27	472074.27
3754223.10	468.50	467.20	466.90	465.20	465.20	465.10	465.00	464.40	464.50
3754173.10	469.10	465.00	465.10	463.50	463.10	464.30	464.50	464.00	464.00
3754123.10	468.60	463.20	463.20	462.40	462.80	463.00	464.00	463.90	463.00
3754073.10	462.90	458.90	457.50	457.30	462.60	463.00	463.20	463.00	463.00
3754023.10	455.00	452.50	452.90	456.70	460.70	461.90	462.50	462.90	463.00
3753973.10	452.60	450.40	450.60	454.00	455.30	457.40	462.50	463.00	462.90
3753923.10	445.40	444.20	446.30	450.90	451.20	459.70	463.40	462.40	461.30
3753873.10	446.00	448.40	446.30	444.40	448.00	452.20	454.60	457.30	454.40
3753823.10	448.40	451.00	458.00	451.60	444.20	445.30	446.40	448.50	450.00
3753773.10	449.90	452.50	457.20	456.80	451.50	446.80	444.00	450.40	459.00
3753723.10	458.90	454.00	458.20	460.50	457.80	451.00	450.10	450.60	453.10
3753673.10	465.20	462.10	458.50	464.50	458.20	455.10	462.70	463.20	450.90
3753623.10	470.30	469.30	462.50	464.30	463.40	460.70	467.10	464.20	453.50
3753573.10	479.50	476.30	469.10	467.30	464.80	462.70	467.50	467.40	465.60
3753523.10	482.30	482.80	475.50	472.90	470.50	465.30	465.60	472.40	469.20
3753473.10	482.00	479.10	479.10	478.50	474.90	468.70	463.80	471.30	472.50
3753423.10	484.10	481.70	482.90	480.40	475.40	471.80	469.50	469.30	473.90
3753373.10	486.70	483.60	484.50	481.10	475.50	476.60	478.00	471.50	473.50
3753323.10	488.00	487.80	485.20	481.10	476.90	482.50	481.20	475.40	474.40
3753273.10	489.00	488.20	487.50	484.10	481.50	485.90	483.40	477.60	474.50
3753223.10	488.10	488.20	488.00	487.00	486.20	487.60	485.20	476.10	474.10
3753173.10	488.00	487.40	487.60	488.80	488.80	488.50	484.30	475.80	475.80
3753123.10	487.50	486.60	485.50	485.40	485.70	484.50	481.40	481.80	481.50
3753073.10	486.20	486.20	484.30	482.20	481.10	481.20	482.30	482.80	481.80
3753023.10	488.10	488.10	487.60	486.30	485.80	485.80	484.20	481.90	481.20
3752973.10	490.40	490.80	490.10	488.50	488.90	487.50	486.50	486.00	485.40
3752923.10	492.30	494.00	493.10	491.00	490.10	488.70	487.60	493.30	491.80
3752873.10	492.30	494.00	493.50	492.00	491.80	490.80	488.30	493.30	493.60
3752823.10	492.50	493.50	494.00	493.30	493.30	494.00	491.40	494.80	493.20
3752773.10	494.00	494.00	494.10	494.90	494.90	494.50	492.40	495.00	493.50
3752723.10	494.80	494.80	495.00	495.80	496.00	494.50	493.20	497.10	493.80
3752673.10	496.90	497.40	497.20	496.50	495.60	494.50	494.20	499.20	497.90
3752623.10	499.90	499.90	499.20	497.90	496.30	494.50	494.40	499.00	498.80
3752573.10	500.00	500.80	500.90	498.80	498.60	498.00	497.40	497.10	496.70
3752523.10	501.20	502.00	501.70	501.60	504.90	504.80	501.60	500.00	499.90
3752473.10	505.20	505.40	504.80	506.00	511.60	511.20	508.10	504.50	503.20
3752423.10	506.80	510.50	508.10	511.20	512.80	512.90	512.40	507.90	504.50
3752373.10	513.90	513.50	511.60	508.70	513.80	514.20	513.30	510.90	505.20
3752323.10	519.10	518.10	518.60	512.20	515.50	515.70	515.60	512.50	509.60
3752273.10	522.40	521.40	519.80	515.30	517.40	517.40	516.90	518.00	517.20

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 472124.27	472174.27	472224.27	472274.27
3754223.10	464.00	464.00	463.00	463.20
3754173.10	463.80	463.00	462.80	463.50
3754123.10	463.10	463.20	461.80	462.40
3754073.10	463.70	462.40	458.90	456.10
3754023.10	463.50	460.50	456.10	452.20
3753973.10	463.00	462.90	454.00	458.20
3753923.10	459.10	459.60	451.60	456.50
3753873.10	449.60	453.80	449.00	449.90
3753823.10	460.70	450.60	449.80	449.90
3753773.10	465.20	467.00	461.40	457.90
3753723.10	464.70	470.60	468.90	464.30
3753673.10	459.90	467.10	470.30	469.80
3753623.10	454.30	460.70	467.00	470.10
3753573.10	453.90	453.80	460.80	466.30
3753523.10	462.30	453.30	453.40	461.00
3753473.10	471.00	462.80	455.40	455.60
3753423.10	475.70	470.10	465.70	458.50
3753373.10	475.70	473.50	469.90	462.90
3753323.10	475.10	475.00	470.20	463.70
3753273.10	474.30	473.20	467.90	462.80
3753223.10	471.60	469.20	465.20	468.20
3753173.10	472.00	469.00	468.20	469.90
3753123.10	477.20	470.10	470.20	471.40
3753073.10	478.10	473.90	473.70	472.80
3753023.10	480.20	481.90	477.90	473.50
3752973.10	485.40	483.10	478.10	474.80
3752923.10	491.80	484.40	477.80	475.20
3752873.10	491.60	484.10	482.00	479.60
3752823.10	489.20	488.40	486.00	482.10
3752773.10	490.70	487.40	486.20	484.80
3752723.10	491.80	491.90	489.50	487.90
3752673.10	498.50	495.40	492.70	492.40
3752623.10	496.60	495.80	494.30	493.20
3752573.10	494.10	492.60	491.30	489.20
3752523.10	498.90	496.30	493.10	489.60
3752473.10	502.10	501.20	498.10	494.30
3752423.10	502.70	500.40	498.50	498.00
3752373.10	501.20	499.60	500.40	500.80
3752323.10	507.10	503.80	503.30	503.10
3752273.10	512.90	508.90	507.10	504.60

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470324.27	470374.27	470424.27	470474.27	470524.27	470574.27	470624.27	470674.27	470724.27
3754223.10	491.00	491.00	490.00	474.30	473.60	489.00	489.00	489.00	471.00
3754173.10	488.00	490.00	484.00	489.00	489.00	489.00	489.00	488.00	473.00
3754123.10	490.00	490.00	490.00	489.00	501.00	489.00	489.00	488.00	474.00
3754073.10	491.00	494.00	501.00	501.00	489.00	489.00	489.00	481.00	486.00
3754023.10	497.00	502.00	502.00	487.20	488.20	489.00	482.80	488.00	486.00
3753973.10	500.00	501.00	488.40	487.90	487.20	486.60	486.00	501.00	489.00
3753923.10	501.00	497.00	493.40	501.00	500.00	501.00	501.00	482.10	489.00
3753873.10	502.00	501.00	501.00	501.00	501.00	501.00	501.00	501.00	490.00
3753823.10	502.00	502.00	500.20	500.90	498.70	501.00	501.00	501.00	488.00
3753773.10	502.00	502.00	501.90	501.70	499.70	501.00	501.00	487.60	488.80
3753723.10	500.00	499.40	501.50	500.50	498.70	494.70	492.70	491.50	489.30
3753673.10	500.00	500.10	500.50	500.60	498.30	495.30	495.00	492.50	488.60
3753623.10	500.20	500.40	500.90	499.90	499.70	499.00	495.80	493.40	489.80
3753573.10	500.50	502.20	501.20	500.50	500.10	499.30	496.10	493.50	493.00
3753523.10	502.00	502.10	502.20	501.10	500.30	499.10	497.80	495.30	494.10
3753473.10	502.80	503.00	503.90	502.90	502.10	501.20	500.30	497.10	495.70
3753423.10	502.60	503.50	504.70	505.50	505.00	502.70	500.30	498.20	497.70
3753373.10	503.30	504.00	505.00	506.20	506.20	503.50	500.00	499.00	498.60
3753323.10	504.00	504.60	505.00	506.20	506.20	521.00	501.50	499.20	499.80
3753273.10	503.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	501.00
3753223.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	519.00	501.90
3753173.10	521.00	521.00	521.00	519.70	518.70	521.00	521.00	521.00	501.10
3753123.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	520.00	502.50
3753073.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	520.00	503.90
3753023.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	520.00	502.20
3752973.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	500.00	501.50
3752923.10	494.90	521.00	521.00	521.00	521.00	499.60	500.10	500.80	500.90
3752873.10	493.20	493.20	521.00	495.00	498.30	500.40	501.00	500.30	500.10
3752823.10	493.50	493.50	493.70	494.30	498.00	499.70	500.00	499.60	499.50
3752773.10	494.00	494.00	494.00	494.00	498.00	499.20	498.90	498.90	498.90
3752723.10	494.00	494.00	494.00	494.00	494.00	495.40	496.60	497.20	498.00
3752673.10	492.60	493.80	494.00	494.50	494.90	497.00	496.50	496.90	497.50
3752623.10	491.90	493.70	493.90	494.00	494.80	495.90	495.00	495.00	496.50
3752573.10	489.40	491.30	492.20	494.00	494.20	495.00	494.20	494.80	495.70
3752523.10	488.00	488.50	489.30	492.30	493.90	494.50	494.00	494.00	495.30
3752473.10	488.10	488.10	488.10	493.00	493.80	494.00	494.00	494.10	494.70
3752423.10	489.80	489.80	489.70	491.40	492.90	493.60	494.80	495.60	496.40
3752373.10	489.20	490.50	491.70	492.50	492.90	493.50	494.20	496.60	498.70

3752323.10 |	488.10	492.00	492.50	494.30	495.10	495.20	494.60	498.50	500.10
3752273.10 |	494.00	493.20	492.90	494.30	495.80	498.20	498.50	499.10	500.50

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS) |	X-COORD (METERS) 470774.27	470824.27	470874.27	470924.27	470974.27	471024.27	471074.27	471124.27	471174.27
3754223.10 |	475.00	470.70	477.00	484.00	486.00	939.00	476.00	939.00	939.00
3754173.10 |	486.00	486.00	469.30	484.00	484.00	484.00	476.00	485.00	939.00
3754123.10 |	486.00	486.00	486.00	486.00	486.00	476.00	471.90	485.00	939.00
3754073.10 |	486.00	486.00	486.00	486.00	484.00	474.50	473.30	485.00	485.00
3754023.10 |	486.00	486.00	483.00	484.00	484.00	485.00	485.00	485.00	485.00
3753973.10 |	484.00	483.70	483.30	483.00	483.00	483.00	485.00	485.00	485.00
3753923.10 |	487.00	481.60	482.00	483.00	483.00	482.00	485.00	485.00	485.00
3753873.10 |	488.00	490.00	491.00	491.00	482.00	481.50	482.00	482.00	485.00
3753823.10 |	490.00	490.00	490.00	491.00	484.00	483.60	482.90	482.70	481.00
3753773.10 |	487.20	490.30	488.00	491.00	488.00	484.00	480.80	483.00	483.00
3753723.10 |	488.00	489.20	488.20	489.00	488.00	486.20	488.00	486.00	488.00
3753673.10 |	488.30	489.90	487.90	500.00	490.00	488.20	485.70	488.00	490.00
3753623.10 |	489.80	490.80	488.70	500.00	488.30	489.90	490.00	501.00	501.00
3753573.10 |	492.80	492.80	500.00	501.00	491.10	501.00	501.00	501.00	490.00
3753523.10 |	494.90	494.90	501.00	500.00	501.00	500.00	501.00	489.00	486.70
3753473.10 |	497.20	497.40	496.80	500.80	500.40	500.00	500.00	490.30	487.30
3753423.10 |	500.00	499.50	499.70	500.10	499.40	497.30	493.50	495.00	495.00
3753373.10 |	500.00	500.00	500.40	498.90	499.00	494.00	492.40	493.80	494.00
3753323.10 |	499.90	499.20	499.20	497.80	495.40	494.80	494.80	494.10	492.70
3753273.10 |	500.40	499.20	498.20	497.50	495.80	494.50	493.50	492.00	494.00
3753223.10 |	500.70	499.30	499.10	498.70	495.40	493.10	491.00	493.00	488.10
3753173.10 |	500.00	500.00	500.00	498.80	497.00	494.40	492.60	491.00	489.80
3753123.10 |	501.40	500.60	500.00	500.40	499.20	495.00	493.50	492.20	490.50
3753073.10 |	502.80	501.30	501.10	500.10	498.40	495.60	493.90	492.30	490.20
3753023.10 |	502.20	502.00	501.20	500.80	499.20	496.00	493.90	492.40	491.50
3752973.10 |	501.50	501.10	501.00	500.40	498.40	494.30	493.00	492.50	492.70
3752923.10 |	500.90	500.20	500.00	500.00	500.00	498.00	495.00	494.20	494.70
3752873.10 |	500.00	500.00	500.00	499.90	499.40	498.20	497.70	498.40	498.00
3752823.10 |	499.10	499.90	500.00	500.10	500.50	499.70	500.10	500.50	500.50
3752773.10 |	499.90	500.00	500.00	500.00	500.80	500.60	501.10	501.80	502.00
3752723.10 |	499.00	499.90	500.00	500.10	501.00	501.80	502.10	502.80	502.80
3752673.10 |	498.10	498.90	499.30	500.00	501.20	502.50	503.50	503.90	503.70
3752623.10 |	497.90	498.10	499.10	500.00	500.80	502.90	504.20	505.10	505.00
3752573.10 |	496.50	498.20	499.50	500.90	501.80	502.90	504.90	506.00	505.80
3752523.10 |	497.60	498.80	500.20	501.60	503.30	503.70	504.60	505.80	507.20

3752473.10 |	497.30	498.80	500.50	502.40	504.10	504.60	505.00	505.70	506.50
3752423.10 |	498.20	499.60	500.10	504.10	505.80	505.40	505.90	505.90	506.10
3752373.10 |	499.50	500.40	501.70	504.70	505.90	506.30	506.90	509.30	512.00
3752323.10 |	500.10	500.00	501.50	503.10	504.00	505.50	510.00	510.90	513.00
3752273.10 |	501.00	500.10	501.50	503.10	504.60	506.30	511.00	511.70	513.40

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS) |	X-COORD (METERS) 471224.27	471274.27	471324.27	471374.27	471424.27	471474.27	471524.27	471574.27	471624.27
3754223.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754173.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754123.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754073.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754023.10 |	485.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753973.10 |	485.00	485.00	485.00	939.00	939.00	939.00	939.00	939.00	939.00
3753923.10 |	485.00	485.00	485.00	485.00	930.00	939.00	939.00	939.00	939.00
3753873.10 |	474.90	474.50	476.00	476.00	487.00	939.00	939.00	939.00	939.00
3753823.10 |	475.50	476.00	476.00	489.00	489.00	489.00	939.00	939.00	939.00
3753773.10 |	483.00	475.00	468.60	470.00	487.00	489.00	489.00	489.00	939.00
3753723.10 |	474.40	475.00	469.30	471.10	487.00	489.00	489.00	489.00	489.00
3753673.10 |	489.00	482.00	489.00	489.00	487.00	489.00	489.00	489.00	489.00
3753623.10 |	482.00	489.00	489.00	489.00	489.00	489.00	489.00	489.00	488.00
3753573.10 |	486.00	488.00	489.00	489.00	489.00	489.00	489.00	488.00	483.00
3753523.10 |	488.00	495.00	489.00	489.00	489.00	489.00	489.00	489.00	480.00
3753473.10 |	495.00	495.00	489.00	484.70	488.60	487.70	489.00	482.00	481.30
3753423.10 |	495.00	495.00	480.70	482.50	486.60	488.00	488.00	483.30	486.00
3753373.10 |	495.00	495.00	481.50	488.00	485.60	486.70	488.00	484.80	487.90
3753323.10 |	495.00	493.00	488.00	485.60	486.30	488.00	486.10	486.80	487.50
3753273.10 |	488.00	487.20	485.10	488.00	488.00	488.00	487.20	488.00	488.00
3753223.10 |	488.10	487.90	487.10	488.00	488.80	488.00	487.20	488.00	488.00
3753173.10 |	488.80	487.20	488.40	489.50	489.00	488.00	487.20	488.00	488.00
3753123.10 |	488.80	488.00	488.70	489.90	489.10	488.00	487.10	487.50	487.80
3753073.10 |	488.80	488.10	489.60	490.70	489.10	487.60	487.10	487.80	487.60
3753023.10 |	492.00	490.40	490.40	489.70	488.00	488.00	488.00	488.00	488.40
3752973.10 |	492.90	492.50	492.20	493.00	494.00	489.90	489.80	489.00	489.00
3752923.10 |	494.40	494.40	494.20	492.20	493.70	492.60	493.80	492.20	490.60
3752873.10 |	497.60	498.20	497.90	495.40	494.80	493.50	494.00	493.00	491.50
3752823.10 |	499.50	500.40	500.00	498.30	496.60	494.00	494.50	493.60	492.20
3752773.10 |	501.10	501.80	500.50	499.00	499.10	497.20	497.90	499.00	493.10
3752723.10 |	502.70	502.60	501.30	499.80	500.60	499.80	500.00	500.00	493.90
3752673.10 |	503.50	503.50	502.40	501.30	500.10	500.00	499.80	497.50	496.60

3752623.10 |	504.30	505.10	505.10	501.70	500.00	500.60	500.00	500.10	499.20
3752573.10 |	505.70	505.80	505.90	502.50	500.20	501.90	517.00	507.00	512.00
3752523.10 |	506.40	506.00	506.50	503.30	519.00	505.50	517.00	507.90	512.00
3752473.10 |	507.90	512.00	507.20	512.00	518.00	519.00	520.00	511.90	519.00
3752423.10 |	508.10	512.00	511.40	513.00	520.00	519.00	519.00	519.00	511.50
3752373.10 |	510.40	511.70	512.80	511.70	520.00	519.00	519.40	519.00	518.00
3752323.10 |	512.90	512.80	512.10	513.80	532.00	518.90	520.10	518.60	518.10
3752273.10 |	514.60	513.70	517.00	516.70	532.00	532.00	521.90	520.50	526.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS) |	X-COORD (METERS) 471674.27	471724.27	471774.27	471824.27	471874.27	471924.27	471974.27	472024.27	472074.27
3754223.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754173.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754123.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754073.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754023.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753973.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753923.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753873.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753823.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753773.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753723.10 |	487.00	939.00	930.00	930.00	939.00	939.00	939.00	939.00	939.00
3753673.10 |	484.00	484.00	484.00	484.00	930.00	939.00	930.00	939.00	939.00
3753623.10 |	484.00	484.00	484.00	484.00	484.00	483.00	468.00	470.00	939.00
3753573.10 |	483.00	484.00	484.00	484.00	484.00	483.00	471.00	473.00	473.00
3753523.10 |	482.30	482.80	484.00	483.00	483.00	483.00	473.00	473.00	469.20
3753473.10 |	482.00	482.00	482.00	480.00	474.90	483.00	488.00	471.30	472.50
3753423.10 |	486.00	481.70	482.90	480.40	475.40	486.00	488.00	488.00	473.90
3753373.10 |	486.70	488.00	484.50	482.00	484.00	486.00	483.00	488.00	473.50
3753323.10 |	488.00	487.80	487.00	482.00	488.00	482.50	482.00	488.00	474.40
3753273.10 |	489.00	488.20	487.50	488.00	486.00	485.90	488.00	488.00	486.00
3753223.10 |	488.10	488.20	488.00	487.00	486.20	487.60	486.00	489.00	489.00
3753173.10 |	488.00	487.40	487.60	488.80	488.80	488.50	489.00	489.00	482.00
3753123.10 |	487.50	486.60	485.50	487.00	485.70	487.00	489.00	481.80	481.50
3753073.10 |	486.20	486.20	484.30	485.00	488.00	481.20	482.30	482.80	481.80
3753023.10 |	488.10	488.10	487.60	486.30	487.00	485.80	484.20	494.00	495.00
3752973.10 |	490.40	493.00	490.10	488.50	488.90	487.50	494.00	494.00	495.00
3752923.10 |	492.30	494.00	493.10	491.00	490.10	488.70	494.00	494.00	491.80
3752873.10 |	492.30	494.00	493.50	492.00	491.80	490.80	495.00	493.30	493.60
3752823.10 |	492.50	493.50	494.00	493.30	493.30	494.00	491.40	494.80	493.20

3752773.10 |	494.00	494.00	494.10	494.90	494.90	494.50	492.40	495.00	493.50
3752723.10 |	494.80	494.80	495.00	495.80	496.00	494.50	498.00	498.00	493.80
3752673.10 |	496.90	497.40	497.20	496.50	495.60	494.50	500.00	499.20	497.90
3752623.10 |	499.90	499.90	499.20	497.90	512.00	513.00	512.00	500.00	498.80
3752573.10 |	500.00	500.80	500.90	513.00	513.00	514.00	513.00	512.00	496.70
3752523.10 |	512.00	502.00	505.00	513.00	513.00	513.00	513.00	513.00	499.90
3752473.10 |	512.00	512.00	511.00	513.00	511.60	511.20	512.00	513.00	503.20
3752423.10 |	523.00	510.50	519.00	511.20	512.80	512.90	512.40	513.00	513.00
3752373.10 |	519.00	513.50	519.00	519.00	513.80	514.20	513.30	510.90	520.00
3752323.10 |	519.10	518.10	518.60	521.00	515.50	515.70	515.60	519.00	520.00
3752273.10 |	522.40	521.40	519.80	519.00	517.40	517.40	516.90	519.00	519.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS) |	X-COORD (METERS) 472124.27	472174.27	472224.27	472274.27
3754223.10 |	939.00	939.00	939.00	939.00
3754173.10 |	939.00	939.00	939.00	939.00
3754123.10 |	939.00	939.00	939.00	939.00
3754073.10 |	939.00	939.00	939.00	939.00
3754023.10 |	939.00	939.00	939.00	939.00
3753973.10 |	939.00	939.00	939.00	939.00
3753923.10 |	939.00	939.00	939.00	939.00
3753873.10 |	939.00	939.00	939.00	939.00
3753823.10 |	939.00	939.00	939.00	939.00
3753773.10 |	939.00	939.00	939.00	939.00
3753723.10 |	939.00	939.00	939.00	939.00
3753673.10 |	939.00	939.00	939.00	939.00
3753623.10 |	939.00	939.00	939.00	939.00
3753573.10 |	939.00	939.00	939.00	930.00
3753523.10 |	476.00	939.00	939.00	939.00
3753473.10 |	476.00	476.00	930.00	939.00
3753423.10 |	475.70	476.00	476.00	476.00
3753373.10 |	475.70	473.50	469.90	476.00
3753323.10 |	475.10	475.00	475.00	475.00
3753273.10 |	474.30	476.00	476.00	476.00
3753223.10 |	481.00	475.00	476.00	469.00
3753173.10 |	482.00	482.00	468.20	469.90
3753123.10 |	482.00	495.00	483.00	471.40
3753073.10 |	482.00	495.00	495.00	482.00
3753023.10 |	495.00	483.00	495.00	495.00
3752973.10 |	495.00	495.00	495.00	495.00

3752923.10 |	495.00	495.00	495.00	495.00
3752873.10 |	495.00	495.00	495.00	488.00
3752823.10 |	489.20	488.40	486.00	482.10
3752773.10 |	500.00	500.00	500.00	500.00
3752723.10 |	500.00	500.00	500.00	492.00
3752673.10 |	498.50	500.00	492.70	492.40
3752623.10 |	496.60	495.80	494.30	494.00
3752573.10 |	501.00	500.00	500.00	489.20
3752523.10 |	501.00	502.00	502.00	501.00
3752473.10 |	502.10	501.20	500.00	494.30
3752423.10 |	502.70	500.40	498.50	499.00
3752373.10 |	522.00	521.00	500.40	500.80
3752323.10 |	521.00	521.00	517.00	503.10
3752273.10 |	519.00	520.00	507.10	504.60

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

(471761.0, 3752929.0,	493.8,	493.8,	0.0);	(471633.4, 3752929.0,	490.1,	490.1,	0.0);
(471511.9, 3752927.8,	493.4,	493.4,	0.0);	(471378.2, 3752924.1,	492.2,	492.2,	0.0);
(471275.1, 3752927.8,	494.1,	494.1,	0.0);	(471448.1, 3752870.1,	494.3,	494.3,	0.0);
(471385.5, 3752872.6,	495.2,	495.2,	0.0);	(471324.2, 3752870.1,	498.2,	498.2,	0.0);
(471277.6, 3752876.3,	498.0,	499.0,	0.0);	(471162.3, 3752926.6,	494.1,	494.1,	0.0);
(471026.1, 3752922.9,	494.4,	498.0,	0.0);	(471233.4, 3752873.8,	497.5,	497.5,	0.0);
(471104.6, 3752868.9,	498.8,	498.8,	0.0);	(471000.3, 3752872.6,	499.0,	499.0,	0.0);
(470962.3, 3752909.4,	498.1,	498.1,	0.0);	(470866.6, 3752908.2,	500.0,	500.0,	0.0);
(470788.1, 3752908.2,	500.4,	500.4,	0.0);				

* 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)
L0001408	471374.3	3753323.1	-3.55
L0001409	471374.3	3753323.1	0.96
L0001414	471374.3	3753273.1	-3.56
L0001419	471374.3	3753223.1	0.55
L0001420	471374.3	3753223.1	-3.49

L0001425	471374.3	3753173.1	0.02
L0001426	471374.3	3753173.1	-3.34
L0001431	471374.3	3753123.1	-0.50
L0001432	471374.3	3753123.1	-3.11
L0001437	471374.3	3753073.1	-0.92
L0001438	471374.3	3753073.1	-2.67
L0001443	471374.3	3753023.1	-1.12
L0001444	471374.3	3753023.1	-2.03
L0001449	471374.3	3752973.1	-1.26
L0001486	471174.3	3753173.1	0.55
L0001492	471124.3	3753173.1	-0.15
L0001498	471074.3	3753173.1	-0.77
L0001503	471024.3	3753173.1	0.25
L0001504	471024.3	3753173.1	-1.30

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

1 1 1

Profile file: N:\AIR_GHG_NOISE_Technical\001_AIR\Meterological\RiversideAirportADJU\KRAL_V9_AD

Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190

Name: UNKNOWN Name: UNKNOWN

Year: 2012 Year: 2012

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
12	01	01	1	01	-25.6	0.266	-9.000	-9.000	-999.	330.	77.9	0.15	2.40	1.00	2.93	55.	10.1	288.1	2.0
12	01	01	1	02	-26.8	0.277	-9.000	-9.000	-999.	351.	84.7	0.15	2.40	1.00	3.05	55.	10.1	287.0	2.0
12	01	01	1	03	-21.5	0.221	-9.000	-9.000	-999.	250.	53.5	0.15	2.40	1.00	2.45	74.	10.1	284.2	2.0
12	01	01	1	04	-22.0	0.227	-9.000	-9.000	-999.	260.	56.8	0.15	2.40	1.00	2.52	77.	10.1	285.9	2.0
12	01	01	1	05	-20.0	0.206	-9.000	-9.000	-999.	225.	46.8	0.15	2.40	1.00	2.30	80.	10.1	285.4	2.0
12	01	01	1	06	-14.4	0.171	-9.000	-9.000	-999.	170.	32.1	0.15	2.40	1.00	1.93	79.	10.1	287.0	2.0
12	01	01	1	07	-14.9	0.174	-9.000	-9.000	-999.	174.	33.2	0.15	2.40	1.00	1.96	77.	10.1	284.2	2.0
12	01	01	1	08	-11.9	0.169	-9.000	-9.000	-999.	167.	36.1	0.15	2.40	0.53	1.89	77.	10.1	288.1	2.0
12	01	01	1	09	40.4	0.234	0.359	0.006	40.	272.	-28.1	0.15	2.40	0.31	2.10	81.	10.1	289.2	2.0
12	01	01	1	10	112.6	0.246	0.742	0.005	129.	293.	-11.8	0.15	2.40	0.24	1.99	101.	10.1	296.4	2.0
12	01	01	1	11	161.0	0.402	1.188	0.005	369.	611.	-35.6	0.15	2.40	0.21	3.68	78.	10.1	298.8	2.0
12	01	01	1	12	184.7	0.337	1.516	0.005	668.	473.	-18.4	0.15	2.40	0.20	2.89	68.	10.1	300.4	2.0
12	01	01	1	13	183.9	0.310	1.809	0.005	1139.	414.	-14.2	0.15	2.40	0.20	2.57	64.	10.1	302.5	2.0
12	01	01	1	14	156.6	0.374	1.852	0.005	1434.	549.	-29.5	0.15	2.40	0.22	3.37	63.	10.1	303.1	2.0
12	01	01	1	15	104.3	0.382	1.658	0.005	1546.	567.	-47.2	0.15	2.40	0.25	3.59	62.	10.1	302.5	2.0
12	01	01	1	16	31.8	0.374	1.123	0.005	1573.	550.	-145.8	0.15	2.40	0.34	3.76	69.	10.1	300.9	2.0
12	01	01	1	17	-23.3	0.276	-9.000	-9.000	-999.	354.	84.0	0.15	2.40	0.62	3.03	59.	10.1	297.5	2.0
12	01	01	1	18	-21.5	0.229	-9.000	-9.000	-999.	264.	57.8	0.15	2.40	1.00	2.54	54.	10.1	295.4	2.0
12	01	01	1	19	-19.3	0.204	-9.000	-9.000	-999.	221.	45.6	0.15	2.40	1.00	2.27	79.	10.1	292.0	2.0
12	01	01	1	20	-20.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.15	2.40	1.00	2.42	79.	10.1	292.5	2.0
12	01	01	1	21	-19.7	0.206	-9.000	-9.000	-999.	225.	46.9	0.15	2.40	1.00	2.30	95.	10.1	290.9	2.0
12	01	01	1	22	-17.6	0.190	-9.000	-9.000	-999.	199.	39.8	0.15	2.40	1.00	2.13	78.	10.1	290.4	2.0
12	01	01	1	23	-20.3	0.211	-9.000	-9.000	-999.	233.	49.0	0.15	2.40	1.00	2.35	52.	10.1	289.2	2.0
12	01	01	1	24	-16.4	0.183	-9.000	-9.000	-999.	189.	37.0	0.15	2.40	1.00	2.06	75.	10.1	288.8	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.1	1	55.	2.93	288.2	99.0	-99.00	-99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,

L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,

L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,

L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470324.27	470374.27	470424.27	470474.27	470524.27	470574.27	470624.27	470674.27	470724.27
3754223.10	0.00015	0.00015	0.00016	0.00016	0.00016	0.00017	0.00016	0.00017	0.00017
3754173.10	0.00016	0.00017	0.00017	0.00017	0.00017	0.00017	0.00018	0.00018	0.00018
3754123.10	0.00017	0.00018	0.00018	0.00018	0.00018	0.00019	0.00019	0.00020	0.00020
3754073.10	0.00018	0.00018	0.00018	0.00019	0.00021	0.00021	0.00021	0.00022	0.00022
3754023.10	0.00019	0.00019	0.00020	0.00021	0.00022	0.00023	0.00024	0.00023	0.00024
3753973.10	0.00020	0.00021	0.00022	0.00023	0.00024	0.00025	0.00025	0.00025	0.00026
3753923.10	0.00021	0.00022	0.00023	0.00024	0.00025	0.00026	0.00027	0.00028	0.00029
3753873.10	0.00022	0.00023	0.00025	0.00026	0.00027	0.00028	0.00030	0.00031	0.00032
3753823.10	0.00023	0.00025	0.00025	0.00026	0.00028	0.00030	0.00032	0.00033	0.00035
3753773.10	0.00025	0.00026	0.00026	0.00028	0.00030	0.00033	0.00035	0.00037	0.00039
3753723.10	0.00026	0.00027	0.00028	0.00030	0.00032	0.00035	0.00037	0.00040	0.00042
3753673.10	0.00027	0.00028	0.00030	0.00032	0.00035	0.00038	0.00040	0.00043	0.00046
3753623.10	0.00028	0.00030	0.00031	0.00034	0.00036	0.00039	0.00043	0.00047	0.00051
3753573.10	0.00029	0.00031	0.00033	0.00036	0.00039	0.00042	0.00047	0.00051	0.00056
3753523.10	0.00030	0.00032	0.00034	0.00038	0.00041	0.00045	0.00050	0.00055	0.00061
3753473.10	0.00031	0.00033	0.00035	0.00038	0.00042	0.00047	0.00052	0.00059	0.00066
3753423.10	0.00032	0.00034	0.00036	0.00038	0.00042	0.00048	0.00056	0.00064	0.00072
3753373.10	0.00033	0.00035	0.00037	0.00039	0.00042	0.00050	0.00060	0.00068	0.00078
3753323.10	0.00033	0.00036	0.00038	0.00040	0.00044	0.00053	0.00062	0.00074	0.00083
3753273.10	0.00035	0.00037	0.00039	0.00040	0.00043	0.00052	0.00065	0.00076	0.00087
3753223.10	0.00037	0.00038	0.00038	0.00033	0.00036	0.00049	0.00059	0.00074	0.00090
3753173.10	0.00038	0.00039	0.00037	0.00026	0.00029	0.00041	0.00061	0.00078	0.00098
3753123.10	0.00040	0.00043	0.00043	0.00035	0.00032	0.00047	0.00068	0.00080	0.00101
3753073.10	0.00042	0.00046	0.00050	0.00051	0.00056	0.00061	0.00073	0.00086	0.00101
3753023.10	0.00043	0.00047	0.00052	0.00057	0.00063	0.00071	0.00080	0.00092	0.00104
3752973.10	0.00044	0.00048	0.00053	0.00059	0.00065	0.00072	0.00080	0.00090	0.00098
3752923.10	0.00044	0.00048	0.00053	0.00058	0.00064	0.00070	0.00076	0.00083	0.00090
3752873.10	0.00043	0.00047	0.00051	0.00056	0.00061	0.00065	0.00070	0.00076	0.00081
3752823.10	0.00043	0.00046	0.00050	0.00054	0.00058	0.00061	0.00065	0.00069	0.00072
3752773.10	0.00041	0.00044	0.00047	0.00051	0.00054	0.00056	0.00059	0.00062	0.00064
3752723.10	0.00040	0.00042	0.00045	0.00047	0.00050	0.00052	0.00054	0.00056	0.00056
3752673.10	0.00037	0.00040	0.00042	0.00044	0.00046	0.00047	0.00048	0.00049	0.00049
3752623.10	0.00035	0.00037	0.00039	0.00040	0.00042	0.00042	0.00043	0.00044	0.00044
3752573.10	0.00033	0.00034	0.00035	0.00037	0.00038	0.00038	0.00039	0.00039	0.00038
3752523.10	0.00031	0.00032	0.00032	0.00033	0.00034	0.00034	0.00034	0.00034	0.00034
3752473.10	0.00028	0.00029	0.00030	0.00030	0.00031	0.00031	0.00031	0.00030	0.00030
3752423.10	0.00026	0.00027	0.00027	0.00027	0.00027	0.00027	0.00027	0.00026	0.00026
3752373.10	0.00024	0.00025	0.00025	0.00025	0.00025	0.00025	0.00024	0.00023	0.00022
3752323.10	0.00022	0.00023	0.00023	0.00022	0.00022	0.00022	0.00022	0.00020	0.00019
3752273.10	0.00021	0.00021	0.00021	0.00020	0.00020	0.00019	0.00018	0.00018	0.00017

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470774.27	470824.27	470874.27	470924.27	470974.27	471024.27	471074.27	471124.27	471174.27
3754223.10	0.00017	0.00018	0.00018	0.00017	0.00016	0.00016	0.00016	0.00015	0.00015
3754173.10	0.00018	0.00019	0.00019	0.00019	0.00018	0.00018	0.00019	0.00018	0.00017
3754123.10	0.00020	0.00020	0.00021	0.00021	0.00020	0.00021	0.00021	0.00020	0.00018
3754073.10	0.00022	0.00023	0.00023	0.00023	0.00023	0.00024	0.00024	0.00022	0.00020
3754023.10	0.00025	0.00026	0.00026	0.00027	0.00026	0.00025	0.00026	0.00025	0.00023
3753973.10	0.00028	0.00029	0.00029	0.00030	0.00030	0.00029	0.00029	0.00030	0.00029
3753923.10	0.00031	0.00031	0.00031	0.00031	0.00032	0.00033	0.00033	0.00034	0.00034
3753873.10	0.00033	0.00034	0.00034	0.00034	0.00036	0.00038	0.00038	0.00038	0.00037
3753823.10	0.00036	0.00038	0.00039	0.00038	0.00040	0.00043	0.00044	0.00044	0.00044
3753773.10	0.00040	0.00042	0.00044	0.00044	0.00045	0.00048	0.00049	0.00048	0.00048
3753723.10	0.00045	0.00047	0.00049	0.00050	0.00052	0.00055	0.00056	0.00056	0.00055
3753673.10	0.00049	0.00052	0.00055	0.00056	0.00060	0.00064	0.00066	0.00066	0.00064
3753623.10	0.00055	0.00058	0.00062	0.00065	0.00069	0.00073	0.00077	0.00076	0.00076
3753573.10	0.00060	0.00065	0.00070	0.00075	0.00080	0.00085	0.00088	0.00092	0.00098
3753523.10	0.00067	0.00073	0.00080	0.00084	0.00091	0.00097	0.00107	0.00115	0.00125
3753473.10	0.00072	0.00079	0.00088	0.00086	0.00092	0.00105	0.00125	0.00138	0.00152
3753423.10	0.00076	0.00086	0.00095	0.00103	0.00114	0.00130	0.00153	0.00169	0.00187
3753373.10	0.00085	0.00097	0.00109	0.00129	0.00154	0.00178	0.00197	0.00207	0.00221
3753323.10	0.00096	0.00114	0.00134	0.00165	0.00205	0.00235	0.00257	0.00278	0.00301
3753273.10	0.00104	0.00129	0.00165	0.00214	0.00285	0.00355	0.00415	0.00450	0.00456
3753223.10	0.00111	0.00143	0.00187	0.00266	0.00465	0.00681	0.00925	0.01040	0.01082
3753173.10	0.00122	0.00154	0.00205	0.00330	0.00792	0.01581	0.02062	0.02157	0.02096
3753123.10	0.00126	0.00163	0.00218	0.00294	0.00396	0.00525	0.00584	0.00610	0.00599
3753073.10	0.00124	0.00156	0.00188	0.00224	0.00261	0.00297	0.00316	0.00328	0.00348
3753023.10	0.00119	0.00136	0.00154	0.00165	0.00180	0.00203	0.00220	0.00235	0.00261
3752973.10	0.00109	0.00119	0.00126	0.00132	0.00143	0.00162	0.00173	0.00187	0.00209
3752923.10	0.00096	0.00103	0.00107	0.00109	0.00119	0.00131	0.00136	0.00149	0.00159
3752873.10	0.00085	0.00088	0.00090	0.00091	0.00094	0.00100	0.00105	0.00107	0.00111
3752823.10	0.00075	0.00075	0.00076	0.00077	0.00077	0.00080	0.00079	0.00078	0.00076
3752773.10	0.00064	0.00064	0.00065	0.00065	0.00064	0.00064	0.00062	0.00058	0.00054
3752723.10	0.00056	0.00056	0.00055	0.00055	0.00053	0.00051	0.00048	0.00044	0.00041

3752673.10 |	0.00049	0.00049	0.00048	0.00046	0.00044	0.00041	0.00037	0.00034	0.00031
3752623.10 |	0.00043	0.00042	0.00041	0.00039	0.00037	0.00033	0.00030	0.00027	0.00025
3752573.10 |	0.00038	0.00036	0.00035	0.00032	0.00030	0.00028	0.00024	0.00022	0.00020
3752523.10 |	0.00032	0.00031	0.00029	0.00027	0.00025	0.00023	0.00021	0.00019	0.00017
3752473.10 |	0.00028	0.00027	0.00025	0.00023	0.00021	0.00019	0.00018	0.00016	0.00015
3752423.10 |	0.00024	0.00023	0.00022	0.00019	0.00017	0.00016	0.00015	0.00014	0.00014
3752373.10 |	0.00021	0.00020	0.00018	0.00016	0.00015	0.00014	0.00013	0.00011	0.00011
3752323.10 |	0.00018	0.00017	0.00016	0.00015	0.00014	0.00013	0.00012	0.00010	0.00008
3752273.10 |	0.00016	0.00015	0.00014	0.00013	0.00012	0.00011	0.00010	0.00009	0.00008

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD | (METERS) |	X-COORD (METERS) 471224.27	471274.27	471324.27	471374.27	471424.27	471474.27	471524.27	471574.27	471624.27
3754223.10 |	0.00014	0.00014	0.00014	0.00014	0.00014	0.00015	0.00015	0.00015	0.00014
3754173.10 |	0.00016	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00016
3754123.10 |	0.00018	0.00017	0.00017	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016
3754073.10 |	0.00020	0.00019	0.00019	0.00018	0.00018	0.00017	0.00017	0.00017	0.00017
3754023.10 |	0.00023	0.00021	0.00021	0.00020	0.00020	0.00019	0.00019	0.00018	0.00018
3753973.10 |	0.00026	0.00025	0.00024	0.00023	0.00022	0.00021	0.00021	0.00020	0.00020
3753923.10 |	0.00031	0.00029	0.00028	0.00026	0.00025	0.00024	0.00023	0.00023	0.00022
3753873.10 |	0.00037	0.00036	0.00032	0.00030	0.00029	0.00027	0.00026	0.00026	0.00025
3753823.10 |	0.00042	0.00040	0.00037	0.00034	0.00033	0.00032	0.00031	0.00029	0.00028
3753773.10 |	0.00047	0.00045	0.00044	0.00043	0.00040	0.00038	0.00037	0.00034	0.00032
3753723.10 |	0.00056	0.00054	0.00053	0.00052	0.00050	0.00047	0.00044	0.00041	0.00038
3753673.10 |	0.00064	0.00064	0.00064	0.00063	0.00065	0.00058	0.00055	0.00050	0.00046
3753623.10 |	0.00083	0.00080	0.00079	0.00082	0.00086	0.00075	0.00068	0.00062	0.00057
3753573.10 |	0.00104	0.00103	0.00104	0.00116	0.00127	0.00115	0.00092	0.00086	0.00077
3753523.10 |	0.00132	0.00130	0.00151	0.00184	0.00187	0.00187	0.00157	0.00121	0.00111
3753473.10 |	0.00163	0.00175	0.00213	0.00297	0.00352	0.00366	0.00311	0.00236	0.00184
3753423.10 |	0.00212	0.00239	0.00312	0.00556	0.00915	0.00882	0.00925	0.00652	0.00349
3753373.10 |	0.00260	0.00304	0.00425	0.00734	0.00682	0.00626	0.00944	0.00776	0.00437
3753323.10 |	0.00330	0.00388	0.00507	0.00796	0.00811	0.00698	0.01006	0.00840	0.00488
3753273.10 |	0.00454	0.00496	0.00616	0.01024	0.00906	0.00767	0.01044	0.00898	0.00520
3753223.10 |	0.00913	0.00746	0.00791	0.00998	0.00967	0.00801	0.01044	0.00931	0.00538
3753173.10 |	0.01681	0.01020	0.00922	0.01025	0.00966	0.00786	0.00928	0.00892	0.00521

3753123.10 |	0.00587	0.00630	0.00773	0.00959	0.00944	0.00866	0.00878	0.00852	0.00497
3753073.10 |	0.00390	0.00475	0.00701	0.01224	0.01029	0.00818	0.00647	0.00487	0.00375
3753023.10 |	0.00308	0.00398	0.00601	0.01025	0.00718	0.00480	0.00363	0.00297	0.00253
3752973.10 |	0.00243	0.00300	0.00408	0.00628	0.00468	0.00317	0.00247	0.00207	0.00181
3752923.10 |	0.00177	0.00191	0.00190	0.00182	0.00148	0.00154	0.00134	0.00134	0.00127
3752873.10 |	0.00112	0.00102	0.00090	0.00090	0.00087	0.00091	0.00086	0.00089	0.00089
3752823.10 |	0.00074	0.00063	0.00058	0.00057	0.00058	0.00065	0.00061	0.00063	0.00065
3752773.10 |	0.00051	0.00045	0.00043	0.00043	0.00041	0.00043	0.00042	0.00047	0.00049
3752723.10 |	0.00037	0.00034	0.00034	0.00034	0.00032	0.00032	0.00031	0.00035	0.00039
3752673.10 |	0.00029	0.00027	0.00027	0.00027	0.00027	0.00027	0.00027	0.00029	0.00029
3752623.10 |	0.00024	0.00022	0.00020	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023
3752573.10 |	0.00019	0.00018	0.00017	0.00019	0.00020	0.00019	0.00020	0.00018	0.00019
3752523.10 |	0.00016	0.00016	0.00015	0.00016	0.00016	0.00015	0.00014	0.00013	0.00015
3752473.10 |	0.00014	0.00014	0.00013	0.00013	0.00012	0.00011	0.00011	0.00010	0.00012
3752423.10 |	0.00012	0.00010	0.00010	0.00011	0.00011	0.00008	0.00007	0.00008	0.00009
3752373.10 |	0.00010	0.00009	0.00008	0.00008	0.00009	0.00007	0.00006	0.00007	0.00007
3752323.10 |	0.00008	0.00008	0.00008	0.00007	0.00007	0.00005	0.00005	0.00005	0.00006
3752273.10 |	0.00007	0.00007	0.00006	0.00006	0.00005	0.00005	0.00004	0.00005	0.00005

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD | (METERS) |	X-COORD (METERS) 471674.27	471724.27	471774.27	471824.27	471874.27	471924.27	471974.27	472024.27	472074.27
3754223.10 |	0.00014	0.00014	0.00013	0.00013	0.00012	0.00012	0.00012	0.00011	0.00011
3754173.10 |	0.00015	0.00015	0.00014	0.00014	0.00013	0.00013	0.00012	0.00012	0.00012
3754123.10 |	0.00017	0.00015	0.00015	0.00014	0.00014	0.00014	0.00013	0.00013	0.00012
3754073.10 |	0.00017	0.00016	0.00016	0.00015	0.00015	0.00015	0.00014	0.00013	0.00013
3754023.10 |	0.00018	0.00017	0.00016	0.00016	0.00016	0.00015	0.00015	0.00014	0.00014
3753973.10 |	0.00019	0.00019	0.00018	0.00017	0.00017	0.00016	0.00016	0.00015	0.00014
3753923.10 |	0.00021	0.00020	0.00019	0.00019	0.00018	0.00018	0.00017	0.00016	0.00015
3753873.10 |	0.00024	0.00022	0.00021	0.00020	0.00019	0.00018	0.00017	0.00017	0.00015
3753823.10 |	0.00027	0.00025	0.00024	0.00022	0.00021	0.00019	0.00018	0.00017	0.00016
3753773.10 |	0.00030	0.00028	0.00027	0.00025	0.00023	0.00021	0.00020	0.00019	0.00018
3753723.10 |	0.00036	0.00032	0.00030	0.00028	0.00026	0.00024	0.00022	0.00020	0.00019
3753673.10 |	0.00043	0.00038	0.00034	0.00033	0.00029	0.00027	0.00026	0.00024	0.00021
3753623.10 |	0.00052	0.00047	0.00041	0.00037	0.00034	0.00031	0.00031	0.00028	0.00025

3753573.10 |	0.00072	0.00061	0.00051	0.00046	0.00041	0.00038	0.00036	0.00034	0.00032
3753523.10 |	0.00099	0.00086	0.00070	0.00061	0.00054	0.00048	0.00044	0.00044	0.00040
3753473.10 |	0.00149	0.00119	0.00102	0.00088	0.00075	0.00063	0.00055	0.00054	0.00050
3753423.10 |	0.00240	0.00178	0.00146	0.00119	0.00097	0.00082	0.00072	0.00065	0.00062
3753373.10 |	0.00308	0.00229	0.00184	0.00148	0.00119	0.00105	0.00095	0.00080	0.00074
3753323.10 |	0.00343	0.00263	0.00211	0.00170	0.00139	0.00128	0.00112	0.00095	0.00085
3753273.10 |	0.00365	0.00284	0.00231	0.00190	0.00160	0.00144	0.00125	0.00107	0.00094
3753223.10 |	0.00381	0.00296	0.00242	0.00203	0.00175	0.00153	0.00134	0.00112	0.00100
3753173.10 |	0.00377	0.00296	0.00244	0.00206	0.00178	0.00156	0.00136	0.00114	0.00104
3753123.10 |	0.00359	0.00282	0.00231	0.00197	0.00171	0.00150	0.00130	0.00118	0.00106
3753073.10 |	0.00294	0.00243	0.00203	0.00172	0.00151	0.00135	0.00122	0.00111	0.00100
3753023.10 |	0.00219	0.00192	0.00169	0.00150	0.00134	0.00122	0.00110	0.00099	0.00091
3752973.10 |	0.00161	0.00145	0.00132	0.00121	0.00111	0.00103	0.00095	0.00088	0.00081
3752923.10 |	0.00115	0.00103	0.00098	0.00095	0.00089	0.00084	0.00079	0.00073	0.00069
3752873.10 |	0.00084	0.00077	0.00074	0.00074	0.00070	0.00068	0.00065	0.00060	0.00058
3752823.10 |	0.00063	0.00059	0.00057	0.00056	0.00055	0.00053	0.00053	0.00049	0.00048
3752773.10 |	0.00047	0.00046	0.00045	0.00044	0.00043	0.00042	0.00043	0.00041	0.00040
3752723.10 |	0.00037	0.00037	0.00036	0.00035	0.00035	0.00035	0.00035	0.00033	0.00034
3752673.10 |	0.00029	0.00029	0.00029	0.00029	0.00029	0.00030	0.00030	0.00027	0.00027
3752623.10 |	0.00023	0.00023	0.00023	0.00024	0.00025	0.00025	0.00025	0.00023	0.00023
3752573.10 |	0.00020	0.00019	0.00019	0.00020	0.00021	0.00021	0.00021	0.00021	0.00021
3752523.10 |	0.00017	0.00016	0.00017	0.00017	0.00015	0.00015	0.00017	0.00017	0.00017
3752473.10 |	0.00013	0.00013	0.00013	0.00013	0.00011	0.00011	0.00012	0.00014	0.00014
3752423.10 |	0.00011	0.00010	0.00011	0.00010	0.00009	0.00009	0.00010	0.00011	0.00013
3752373.10 |	0.00007	0.00008	0.00008	0.00010	0.00008	0.00008	0.00008	0.00009	0.00011
3752323.10 |	0.00005	0.00006	0.00006	0.00008	0.00007	0.00007	0.00007	0.00008	0.00009
3752273.10 |	0.00004	0.00004	0.00005	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD | (METERS) |	X-COORD (METERS) 472124.27	472174.27	472224.27	472274.27
3754223.10 |	0.00011	0.00010	0.00010	0.00010
3754173.10 |	0.00011	0.00011	0.00010	0.00010
3754123.10 |	0.00012	0.00011	0.00011	0.00010
3754073.10 |	0.00012	0.00012	0.00011	0.00010

3754023.10 |	0.00013	0.00012	0.00011	0.00011
3753973.10 |	0.00014	0.00013	0.00012	0.00011
3753923.10 |	0.00014	0.00013	0.00012	0.00012
3753873.10 |	0.00014	0.00014	0.00013	0.00012
3753823.10 |	0.00016	0.00015	0.00014	0.00013
3753773.10 |	0.00018	0.00017	0.00016	0.00015
3753723.10 |	0.00020	0.00020	0.00018	0.00017
3753673.10 |	0.00021	0.00021	0.00021	0.00020
3753623.10 |	0.00024	0.00023	0.00023	0.00023
3753573.10 |	0.00028	0.00026	0.00026	0.00026
3753523.10 |	0.00035	0.00032	0.00030	0.00030
3753473.10 |	0.00046	0.00041	0.00036	0.00034
3753423.10 |	0.00058	0.00052	0.00046	0.00041
3753373.10 |	0.00069	0.00062	0.00056	0.00049
3753323.10 |	0.00078	0.00071	0.00063	0.00056
3753273.10 |	0.00086	0.00078	0.00068	0.00061
3753223.10 |	0.00089	0.00080	0.00071	0.00067
3753173.10 |	0.00091	0.00082	0.00075	0.00070
3753123.10 |	0.00094	0.00082	0.00075	0.00071
3753073.10 |	0.00090	0.00080	0.00074	0.00069
3753023.10 |	0.00083	0.00078	0.00071	0.00065
3752973.10 |	0.00076	0.00070	0.00064	0.00059
3752923.10 |	0.00066	0.00062	0.00057	0.00053
3752873.10 |	0.00056	0.00053	0.00051	0.00048
3752823.10 |	0.00048	0.00046	0.00044	0.00042
3752773.10 |	0.00040	0.00039	0.00038	0.00037
3752723.10 |	0.00034	0.00033	0.00033	0.00032
3752673.10 |	0.00027	0.00028	0.00028	0.00028
3752623.10 |	0.00024	0.00024	0.00024	0.00024
3752573.10 |	0.00022	0.00022	0.00022	0.00022
3752523.10 |	0.00018	0.00018	0.00019	0.00019
3752473.10 |	0.00015	0.00015	0.00016	0.00017
3752423.10 |	0.00013	0.00014	0.00014	0.00014
3752373.10 |	0.00012	0.00013	0.00012	0.00012
3752323.10 |	0.00010	0.00011	0.00011	0.00011
3752273.10 |	0.00007	0.00008	0.00009	0.00010

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
471760.95	3752929.03	0.00102	471633.36	3752929.03	0.00130
471511.91	3752927.81	0.00146	471378.18	3752924.12	0.00182
471275.13	3752927.81	0.00202	471448.11	3752870.15	0.00087
471385.54	3752872.60	0.00089	471324.20	3752870.15	0.00087
471277.58	3752876.28	0.00105	471162.26	3752926.58	0.00161
471026.09	3752922.90	0.00131	471233.42	3752873.83	0.00112
471104.60	3752868.92	0.00102	471000.32	3752872.60	0.00097
470962.29	3752909.40	0.00111	470866.60	3752908.18	0.00101
470788.09	3752908.18	0.00094			

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS) |	X-COORD (METERS) 470324.27	470374.27	470424.27	470474.27	470524.27
3754223.1 |	0.00508 (16050106)	0.00513 (16031307)	0.00522 (16031307)	0.00525 (16031307)	0.00525 (16031307)
3754173.1 |	0.00545 (16050106)	0.00548 (16050106)	0.00547 (16031307)	0.00547 (16031307)	0.00537 (16031307)
3754123.1 |	0.00559 (14120522)	0.00567 (16050106)	0.00564 (16050106)	0.00559 (16031307)	0.00542 (16031307)
3754073.1 |	0.00580 (16040106)	0.00566 (14120522)	0.00565 (16050106)	0.00574 (16050106)	0.00612 (16031307)
3754023.1 |	0.00588 (15071405)	0.00581 (15071405)	0.00600 (15020119)	0.00631 (16050106)	0.00636 (16031307)
3753973.1 |	0.00622 (14051623)	0.00629 (15071405)	0.00642 (14120522)	0.00654 (16050106)	0.00663 (16050106)
3753923.1 |	0.00655 (14051623)	0.00662 (16011801)	0.00755 (16032107)	0.00676 (14120522)	0.00691 (16050106)
3753873.1 |	0.00683 (15040503)	0.00691 (14051623)	0.00978 (16052306)	0.00958 (16052306)	0.00806 (16032107)
3753823.1 |	0.00709 (14032805)	0.00868 (16032107)	0.01183 (16052306)	0.01128 (16050606)	0.01066 (16050606)
3753773.1 |	0.00743 (15092804)	0.01080 (15080406)	0.01288 (16052306)	0.01279 (16052306)	0.01207 (16052306)
3753723.1 |	0.00892 (16032107)	0.01241 (15080406)	0.01258 (16052306)	0.01361 (16052306)	0.01338 (16052306)
3753673.1 |	0.01262 (16032107)	0.01342 (16032107)	0.01381 (15080406)	0.01356 (15080406)	0.01364 (16052306)
3753623.1 |	0.01280 (14030324)	0.01336 (14091123)	0.01460 (16032107)	0.01486 (16032107)	0.01495 (15080406)
3753573.1 |	0.01366 (14110819)	0.01436 (14110819)	0.01457 (16100204)	0.01541 (16032107)	0.01643 (16032107)
3753523.1 |	0.01469 (16060405)	0.01508 (16101105)	0.01573 (14110819)	0.01618 (14110819)	0.01652 (16100204)
3753473.1 |	0.01548 (15100623)	0.01615 (16102923)	0.01674 (16060405)	0.01718 (16101105)	0.01804 (14110819)
3753423.1 |	0.01596 (14112820)	0.01685 (16012002)	0.01747 (16101403)	0.01808 (15100623)	0.01894 (16060405)
3753373.1 |	0.01888 (15071106)	0.01903 (15071106)	0.01852 (15071106)	0.01850 (14112820)	0.01953 (16012002)
3753323.1 |	0.01908 (15071106)	0.02052 (15071106)	0.02181 (15071106)	0.02231 (15071106)	0.02287 (15071106)

3753273.1 |	0.01803 (14081706)	0.01887 (14081706)	0.01943 (14081706)	0.01932 (14083003)	0.02041 (15071106)
3753223.1 |	0.01845 (14101107)	0.01994 (14101107)	0.01982 (14101107)	0.01588 (16032001)	0.01636 (16032001)
3753173.1 |	0.01805 (16050206)	0.01924 (16050206)	0.01744 (16050206)	0.01087 (14062105)	0.01188 (14062105)
3753123.1 |	0.01731 (14091124)	0.01901 (14092804)	0.01969 (16082806)	0.01556 (14111504)	0.01297 (14111504)
3753073.1 |	0.01601 (14072403)	0.01741 (15051105)	0.01963 (14090903)	0.02111 (14090903)	0.02191 (14090903)
3753023.1 |	0.01549 (14083105)	0.01737 (14083105)	0.01987 (14101007)	0.02204 (14101007)	0.02386 (14101007)
3752973.1 |	0.01552 (14101007)	0.01709 (14101007)	0.01789 (14101007)	0.01869 (14101007)	0.02047 (14072006)
3752923.1 |	0.01359 (14030601)	0.01465 (14072006)	0.01453 (14072006)	0.01575 (14072006)	0.01870 (14030523)
3752873.1 |	0.01217 (14072006)	0.01250 (14072006)	0.01321 (14093001)	0.01541 (16012001)	0.01813 (14080304)
3752823.1 |	0.01160 (14093001)	0.01214 (14072223)	0.01289 (15020503)	0.01410 (16101605)	0.01722 (15110407)
3752773.1 |	0.01156 (15092523)	0.01198 (16101605)	0.01258 (15082705)	0.01301 (16042323)	0.01571 (15081302)
3752723.1 |	0.01118 (16101605)	0.01164 (15082705)	0.01189 (16042323)	0.01231 (15091006)	0.01267 (16033122)
3752673.1 |	0.00998 (16042323)	0.01093 (15091006)	0.01133 (15091006)	0.01234 (15101923)	0.01291 (16100921)
3752623.1 |	0.00935 (16011506)	0.01048 (16033122)	0.01079 (14030606)	0.01115 (16100921)	0.01199 (15100521)
3752573.1 |	0.00864 (16083003)	0.00910 (15032003)	0.00946 (15091304)	0.01054 (15100521)	0.01082 (15100521)
3752523.1 |	0.00801 (15032003)	0.00834 (15091304)	0.00855 (16011904)	0.00908 (15051003)	0.01007 (14073105)
3752473.1 |	0.00778 (15091304)	0.00787 (16011904)	0.00797 (15051003)	0.00818 (15051003)	0.00970 (15041004)
3752423.1 |	0.00764 (16011904)	0.00776 (15051003)	0.00775 (15051003)	0.00813 (16032204)	0.00859 (15092503)
3752373.1 |	0.00727 (15051003)	0.00741 (15051003)	0.00774 (16032204)	0.00806 (16032204)	0.00833 (15092503)
3752323.1 |	0.00680 (15051003)	0.00730 (16032204)	0.00767 (16032204)	0.00886 (15092503)	0.00945 (16121022)
3752273.1 |	0.00681 (15090406)	0.00771 (15041004)	0.00756 (15092503)	0.00860 (14121102)	0.00933 (16121022)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD |	X-COORD (METERS)				
(METERS) |	470574.27	470624.27	470674.27	470724.27	470774.27
- - -

3753723.1 |	0.01073 (16052306)	0.00878 (16040106)	0.00906 (16050106)	0.00917 (16031307)	0.00902 (16031307)
3753673.1 |	0.01217 (16052306)	0.01205 (16052306)	0.00963 (14120522)	0.00990 (16050106)	0.00995 (16031307)
3753623.1 |	0.01498 (16052306)	0.01401 (16052306)	0.01045 (16011801)	0.01071 (14120522)	0.01089 (16050106)
3753573.1 |	0.01653 (15080406)	0.01469 (15080406)	0.01149 (14051623)	0.01168 (16011801)	0.01185 (16050106)
3753523.1 |	0.01742 (16032107)	0.01791 (16032107)	0.01599 (16032107)	0.01381 (14010401)	0.01651 (16052306)
3753473.1 |	0.01861 (14110819)	0.01928 (14091123)	0.01959 (16032107)	0.01911 (16032107)	0.02117 (16052306)
3753423.1 |	0.02002 (16060405)	0.02102 (14110819)	0.02123 (14110819)	0.02211 (16032107)	0.02483 (15080406)
3753373.1 |	0.02161 (16101403)	0.02302 (15100623)	0.02377 (15073005)	0.02504 (16101105)	0.02647 (14110819)
3753323.1 |	0.02445 (15071106)	0.02551 (15071106)	0.02604 (15110306)	0.02869 (16101403)	0.03084 (16060405)
3753273.1 |	0.02462 (15071106)	0.02938 (15071106)	0.03250 (15071106)	0.03570 (15071106)	0.03756 (15071106)
3753223.1 |	0.02239 (14101107)	0.02606 (14101107)	0.03034 (14101107)	0.03455 (14101107)	0.03936 (14081706)
3753173.1 |	0.01726 (14062105)	0.02474 (16050206)	0.03012 (16050206)	0.03530 (16050206)	0.04003 (16050206)
3753123.1 |	0.01886 (14111504)	0.02574 (16102922)	0.02818 (16102922)	0.03337 (14090903)	0.03807 (14083105)
3753073.1 |	0.02268 (14083105)	0.02597 (14101007)	0.02948 (14101007)	0.03152 (14101007)	0.03347 (16081905)
3753023.1 |	0.02476 (14101007)	0.02506 (14072006)	0.02741 (14072006)	0.02884 (16032004)	0.02988 (14030502)
3752973.1 |	0.02221 (14072006)	0.02363 (16032004)	0.02504 (14010402)	0.02628 (14092504)	0.02694 (15110407)
3752923.1 |	0.02086 (14010402)	0.02228 (14080304)	0.02336 (15110407)	0.02367 (15082406)	0.02348 (14103106)
3752873.1 |	0.01985 (14092504)	0.02067 (15110407)	0.02115 (15082406)	0.02080 (14103106)	0.02079 (16060402)
3752823.1 |	0.01834 (15081302)	0.01886 (15082406)	0.01851 (16010820)	0.01875 (16060402)	0.01852 (16082303)
3752773.1 |	0.01681 (15082406)	0.01665 (16100921)	0.01697 (16060402)	0.01684 (14073105)	0.01635 (16121303)
3752723.1 |	0.01420 (16100921)	0.01494 (16060402)	0.01527 (14073105)	0.01515 (16040923)	0.01476 (14101101)
3752673.1 |	0.01394 (16060402)	0.01388 (14073105)	0.01398 (15071805)	0.01377 (16121303)	0.01356 (14101101)
3752623.1 |	0.01269 (14073105)	0.01241 (14073105)	0.01247 (15071805)	0.01261 (16121022)	0.01258 (14101101)
3752573.1 |	0.01166 (14073105)	0.01118 (15071805)	0.01154 (16121022)	0.01181 (14101101)	0.01202 (14101101)
3752523.1 |	0.01090 (15071805)	0.01031 (15071805)	0.01047 (14121102)	0.01128 (14101101)	0.01178 (14101101)
3752473.1 |	0.00979 (15071805)	0.00994 (14121102)	0.01020 (16121022)	0.01053 (16121022)	0.01157 (14101101)
3752423.1 |	0.00931 (15092503)	0.01016 (16121022)	0.01057 (14101101)	0.01087 (14101101)	0.01125 (14101101)
3752373.1 |	0.00892 (14121102)	0.00932 (16121022)	0.01040 (14101101)	0.01071 (14101101)	0.01116 (16082304)
3752323.1 |	0.00952 (16121022)	0.00920 (15100302)	0.01020 (15021921)	0.01058 (16082304)	0.01132 (16062606)
3752273.1 |	0.00977 (14101101)	0.00977 (15021921)	0.01015 (16082304)	0.01070 (16062606)	0.01129 (16062606)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD |	X-COORD (METERS)				
(METERS) |	470824.27	470874.27	470924.27	470974.27	471024.27
3754223.1 |	0.00568 (14042005)	0.00581 (16031023)	0.00563 (15080906)	0.00552 (14032824)	0.00560 (16110523)

3754173.1 |	0.00572 (16011223)	0.00590 (14042005)	0.00597 (16031023)	0.00598 (15080906)	0.00600 (16110523)
3754123.1 |	0.00593 (14092923)	0.00607 (16011223)	0.00619 (14040404)	0.00623 (15080906)	0.00680 (15080906)
3754073.1 |	0.00644 (15092002)	0.00641 (14092923)	0.00650 (14042005)	0.00666 (16031023)	0.00728 (15080906)
3754023.1 |	0.00683 (15020620)	0.00696 (15092002)	0.00725 (14092923)	0.00716 (14042005)	0.00722 (16031023)
3753973.1 |	0.00714 (16031307)	0.00732 (15020620)	0.00754 (15092002)	0.00781 (16011223)	0.00767 (16031023)
3753923.1 |	0.00728 (16031307)	0.00744 (16031307)	0.00751 (15020620)	0.00767 (14092923)	0.00811 (16011223)
3753873.1 |	0.00742 (16050106)	0.00760 (16031307)	0.00768 (16031307)	0.00824 (15020620)	0.00876 (14092923)
3753823.1 |	0.00779 (16050106)	0.00805 (16050106)	0.00788 (16050106)	0.00856 (16031307)	0.00921 (15020620)
3753773.1 |	0.00817 (16050606)	0.00834 (16050106)	0.00847 (16050106)	0.00891 (16050106)	0.00971 (16031307)
3753723.1 |	0.00889 (14092923)	0.00873 (15080501)	0.00867 (16050106)	0.00930 (16050106)	0.01012 (16050106)
3753673.1 |	0.00973 (15020620)	0.00950 (15092902)	0.00895 (15080906)	0.00963 (16050606)	0.01066 (16050606)
3753623.1 |	0.01088 (16031307)	0.01058 (14092923)	0.01025 (16011003)	0.01022 (16110523)	0.01142 (16052306)
3753573.1 |	0.01207 (16031307)	0.01193 (16031307)	0.01153 (15080501)	0.01144 (16110523)	0.01169 (16032107)
3753523.1 |	0.01621 (16050606)	0.01372 (16031307)	0.01689 (14042706)	0.01591 (15071306)	0.01502 (15080406)
3753473.1 |	0.02226 (16052306)	0.02025 (16050606)	0.01876 (15071304)	0.01873 (15071306)	0.01903 (15071306)
3753423.1 |	0.02515 (16052306)	0.02549 (16052306)	0.02215 (14101123)	0.02151 (15071304)	0.02300 (15071306)
3753373.1 |	0.02870 (16032107)	0.02857 (15080406)	0.03041 (16052306)	0.02861 (16052306)	0.02301 (16031307)
3753323.1 |	0.03242 (16101105)	0.03353 (14110819)	0.03686 (16032107)	0.03519 (16052306)	0.03539 (16052306)
3753273.1 |	0.03828 (15071106)	0.04163 (16092303)	0.04494 (16060405)	0.04592 (14110819)	0.04651 (16032107)
3753223.1 |	0.04430 (14081706)	0.05263 (15071106)	0.06399 (15071106)	0.06650 (14072406)	0.06771 (14071206)
3753173.1 |	0.04649 (16050206)	0.05672 (14091124)	0.07227 (14072606)	0.10766 (14121219)	0.11530 (14101007)
3753123.1 |	0.04562 (14101007)	0.05281 (14101007)	0.05370 (16121101)	0.05610 (14030502)	0.05692 (14080304)
3753073.1 |	0.03707 (16032004)	0.03866 (14030502)	0.04016 (16083103)	0.04073 (15082406)	0.04033 (16060402)
3753023.1 |	0.03103 (14101823)	0.03138 (15082406)	0.03015 (14103106)	0.03006 (16082303)	0.02978 (16121303)
3752973.1 |	0.02699 (15082406)	0.02570 (16060402)	0.02511 (16082303)	0.02426 (16121303)	0.02191 (14101101)
3752923.1 |	0.02331 (16060402)	0.02262 (16082303)	0.02072 (16121303)	0.02041 (16062606)	0.01835 (16062606)
3752873.1 |	0.02032 (16082303)	0.01903 (16121303)	0.01779 (15021921)	0.01660 (16062606)	0.01683 (16083103)
3752823.1 |	0.01763 (16121303)	0.01660 (14101101)	0.01564 (16062606)	0.01499 (15082406)	0.01644 (14103106)
3752773.1 |	0.01563 (14101101)	0.01492 (16062606)	0.01402 (14103106)	0.01480 (16060402)	0.01646 (16082303)
3752723.1 |	0.01404 (16062606)	0.01334 (16062606)	0.01414 (16082303)	0.01511 (16082303)	0.01594 (16121303)
3752673.1 |	0.01306 (16062606)	0.01338 (16082303)	0.01406 (16121303)	0.01484 (16121303)	0.01568 (14101101)
3752623.1 |	0.01257 (16121303)	0.01325 (16121303)	0.01387 (14101101)	0.01490 (14101101)	0.01555 (16062606)
3752573.1 |	0.01239 (16121303)	0.01305 (14101101)	0.01380 (14101101)	0.01453 (16062606)	0.01584 (16062606)
3752523.1 |	0.01232 (14101101)	0.01290 (14101101)	0.01344 (15021921)	0.01458 (16062606)	0.01458 (16040804)
3752473.1 |	0.01203 (14101101)	0.01255 (16062606)	0.01371 (16062606)	0.01371 (16062606)	0.01395 (16040804)
3752423.1 |	0.01181 (16082304)	0.01291 (16062606)	0.01307 (16062606)	0.01281 (16040804)	0.01315 (16111523)
3752373.1 |	0.01205 (16062606)	0.01263 (16062606)	0.01229 (16040804)	0.01228 (16101404)	0.01263 (16111523)
3752323.1 |	0.01190 (16062606)	0.01182 (16040804)	0.01221 (16040804)	0.01254 (16111523)	0.01263 (16011922)
3752273.1 |	0.01116 (16062606)	0.01164 (16040804)	0.01192 (16101404)	0.01205 (16111523)	0.01178 (16011922)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 471074.27	471124.27	471174.27	471224.27	471274.27
3754223.1	0.00598 (16032623)	0.00586 (16091724)	0.00585 (14010820)	0.00594 (14080404)	0.00601 (16102320)
3754173.1	0.00657 (16032623)	0.00643 (16091724)	0.00620 (14012523)	0.00627 (15091703)	0.00632 (16102320)
3754123.1	0.00709 (16110523)	0.00680 (16091724)	0.00650 (14101224)	0.00667 (15091703)	0.00675 (14090106)
3754073.1	0.00739 (16110523)	0.00721 (16032623)	0.00697 (16091724)	0.00697 (15091703)	0.00719 (15083004)
3754023.1	0.00785 (15080906)	0.00759 (16110523)	0.00751 (16091724)	0.00759 (14012523)	0.00755 (15083004)
3753973.1	0.00820 (15080906)	0.00880 (16110523)	0.00865 (16032623)	0.00804 (14012523)	0.00819 (15091703)
3753923.1	0.00842 (16031023)	0.00937 (15080906)	0.00961 (16032623)	0.00908 (16091724)	0.00919 (15091703)
3753873.1	0.00906 (15080501)	0.00950 (15080906)	0.00969 (16110523)	0.01002 (16091724)	0.01047 (15091703)
3753823.1	0.00965 (14092923)	0.01020 (16031023)	0.01052 (15080906)	0.01063 (16032623)	0.01057 (14012523)
3753773.1	0.00989 (15020620)	0.00996 (14092923)	0.01044 (15080906)	0.01066 (16110523)	0.01081 (14012523)
3753723.1	0.01052 (16031307)	0.01065 (14082703)	0.01083 (15080501)	0.01150 (16120702)	0.01167 (16081906)
3753673.1	0.01120 (16050106)	0.01153 (16031307)	0.01117 (14082703)	0.01154 (15080906)	0.01245 (16081906)
3753623.1	0.01153 (16050106)	0.01168 (16050106)	0.01197 (16031307)	0.01335 (15080501)	0.01367 (16081906)
3753573.1	0.01173 (16050606)	0.01249 (16050606)	0.01365 (16050106)	0.01462 (16031307)	0.01514 (16110523)
3753523.1	0.01306 (16032107)	0.01445 (16032107)	0.01504 (16050106)	0.01602 (16050106)	0.01603 (14101907)
3753473.1	0.01658 (15080406)	0.01592 (15071106)	0.01606 (16052306)	0.01700 (16050606)	0.01784 (14101907)
3753423.1	0.01839 (15071106)	0.01700 (16043024)	0.01731 (15090801)	0.01945 (16052306)	0.02053 (16052306)
3753373.1	0.02058 (14101907)	0.02152 (15071106)	0.02239 (15071106)	0.02022 (15011108)	0.02196 (16052306)
3753323.1	0.03267 (14042706)	0.02829 (15071306)	0.02629 (14081206)	0.02612 (15073006)	0.02602 (15072806)
3753273.1	0.04034 (16050606)	0.03774 (16052106)	0.03625 (15073006)	0.03700 (15072806)	0.03827 (14071306)
3753223.1	0.07518 (16030624)	0.07179 (16032107)	0.06548 (14071306)	0.06869 (15031924)	0.06029 (14021008)
3753173.1	0.11341 (14101007)	0.10248 (14072006)	0.09501 (14080406)	0.09748 (14080406)	0.06808 (16061724)
3753123.1	0.05057 (16100921)	0.04656 (15071805)	0.04048 (14071905)	0.04137 (15101323)	0.04197 (15082624)
3753073.1	0.03348 (15071805)	0.02879 (16062606)	0.02808 (15092201)	0.02868 (15091024)	0.02978 (14101007)
3753023.1	0.02414 (16121303)	0.02161 (15022204)	0.02218 (15092201)	0.02467 (14072006)	0.03047 (14072006)
3752973.1	0.01838 (16062606)	0.01793 (15022204)	0.02023 (15082705)	0.02453 (15082705)	0.02987 (16100921)
3752923.1	0.01738 (15110407)	0.01848 (15110407)	0.02220 (15082406)	0.02544 (16060402)	0.03185 (15071805)
3752873.1	0.01872 (15082406)	0.02035 (16060402)	0.02357 (16082303)	0.02736 (14101101)	0.03245 (16062606)
3752823.1	0.01799 (16082303)	0.01968 (15042224)	0.02201 (14101101)	0.02674 (16062606)	0.02767 (16011922)
3752773.1	0.01765 (16121303)	0.01899 (14101101)	0.02166 (16062606)	0.02341 (16040804)	0.02488 (14071304)
3752723.1	0.01720 (14101101)	0.01892 (16062606)	0.01989 (16040804)	0.02114 (16011922)	0.02238 (14071304)
3752673.1	0.01677 (16062606)	0.01770 (16062606)	0.01833 (16111523)	0.01954 (14071304)	0.01991 (15061504)
3752623.1	0.01647 (16062606)	0.01612 (16040804)	0.01691 (16011922)	0.01849 (14071304)	0.01678 (14020704)
3752573.1	0.01527 (16040804)	0.01504 (16111523)	0.01547 (14071304)	0.01630 (14071304)	0.01566 (15103120)
3752523.1	0.01480 (16101404)	0.01488 (16011922)	0.01471 (14071304)	0.01504 (15061504)	0.01523 (15103120)
3752473.1	0.01435 (16111523)	0.01414 (16011922)	0.01470 (14071304)	0.01310 (15061504)	0.01416 (15103120)
3752423.1	0.01360 (16011922)	0.01393 (14071304)	0.01399 (15061504)	0.01227 (14020704)	0.01182 (15081222)
3752373.1	0.01250 (16011922)	0.01220 (14071304)	0.01157 (15061504)	0.01039 (16121108)	0.01121 (15081222)
3752323.1	0.01206 (14071304)	0.01095 (14071304)	0.00914 (15061504)	0.00888 (15082503)	0.01053 (16081806)
3752273.1	0.01161 (14071304)	0.00992 (14071304)	0.00847 (15061504)	0.00824 (15081222)	0.01003 (16081806)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS) |	X-COORD (METERS) 471324.27	471374.27	471424.27	471474.27	471524.27
3754223.1 |	0.00617 (14041205)	0.00643 (15100102)	0.00682 (15071203)	0.00719 (14040405)	0.00726 (14082901)
3754173.1 |	0.00647 (15090624)	0.00663 (15100102)	0.00681 (15071203)	0.00709 (14040405)	0.00735 (14082901)
3754123.1 |	0.00686 (15090624)	0.00701 (15100102)	0.00710 (15071204)	0.00729 (14040405)	0.00757 (14082901)
3754073.1 |	0.00728 (15090624)	0.00744 (15100102)	0.00751 (15071204)	0.00765 (14040405)	0.00783 (15110301)
3754023.1 |	0.00777 (15090624)	0.00795 (15100102)	0.00804 (15071204)	0.00812 (14040405)	0.00822 (15110301)
3753973.1 |	0.00831 (16102320)	0.00853 (15100102)	0.00864 (15071204)	0.00873 (14040405)	0.00877 (15110301)
3753923.1 |	0.00907 (16102320)	0.00921 (15100102)	0.00937 (15071204)	0.00940 (14040405)	0.00943 (15110301)
3753873.1 |	0.00998 (15083004)	0.00990 (15100102)	0.00993 (15071204)	0.00999 (14040405)	0.01012 (15110301)
3753823.1 |	0.01060 (15083004)	0.01049 (15100102)	0.01073 (15071204)	0.01096 (14031923)	0.01101 (14060604)
3753773.1 |	0.01148 (15083004)	0.01209 (15100102)	0.01198 (14091101)	0.01213 (14031923)	0.01227 (14072905)
3753723.1 |	0.01242 (15083004)	0.01346 (15100102)	0.01358 (14040405)	0.01348 (15110301)	0.01353 (14072905)
3753673.1 |	0.01352 (15083004)	0.01473 (15100102)	0.01608 (14040405)	0.01518 (14072905)	0.01489 (16081802)
3753623.1 |	0.01483 (15083004)	0.01728 (15100102)	0.01926 (14111405)	0.01739 (15092824)	0.01639 (14042003)
3753573.1 |	0.01700 (15091703)	0.02171 (15100102)	0.02563 (16012308)	0.02244 (16081802)	0.02039 (15071204)
3753523.1 |	0.02052 (15091901)	0.03012 (15100102)	0.03494 (14060604)	0.02975 (16091724)	0.03163 (15100102)
3753473.1 |	0.02294 (16081906)	0.03730 (15100102)	0.04664 (16081802)	0.04034 (15072806)	0.04509 (15090624)
3753423.1 |	0.02573 (14101907)	0.04368 (15092801)	0.04299 (14060406)	0.03769 (14060406)	0.04592 (15082306)
3753373.1 |	0.02808 (15071306)	0.05172 (14032304)	0.04095 (14062106)	0.03597 (14071306)	0.04929 (14081624)
3753323.1 |	0.02905 (15071306)	0.05745 (15092801)	0.04649 (14071306)	0.03773 (14082105)	0.05067 (14102007)
3753273.1 |	0.03505 (14071306)	0.06777 (14032304)	0.05041 (14021008)	0.04038 (14021008)	0.05098 (15071306)
3753223.1 |	0.04597 (15010917)	0.06246 (15092801)	0.05294 (15101807)	0.04163 (15101807)	0.05056 (15061504)
3753173.1 |	0.04935 (15080302)	0.06422 (14032304)	0.05067 (14101001)	0.03872 (14071305)	0.04991 (14020704)
3753123.1 |	0.03979 (16030224)	0.06932 (16042406)	0.05299 (15073006)	0.04560 (14060406)	0.04282 (15103120)
3753073.1 |	0.04357 (14101007)	0.07057 (15103120)	0.05234 (15081223)	0.04665 (16083106)	0.04625 (16122308)
3753023.1 |	0.04278 (16100921)	0.08319 (16122308)	0.04525 (15082624)	0.03569 (15052502)	0.03444 (15080602)
3752973.1 |	0.04261 (16013108)	0.08547 (16122308)	0.04397 (15030101)	0.03390 (15091924)	0.02827 (15082624)
3752923.1 |	0.04257 (16062606)	0.05437 (16013023)	0.03560 (16082502)	0.02844 (16011524)	0.02735 (15022204)
3752873.1 |	0.03738 (14071304)	0.04566 (15022204)	0.03438 (15012022)	0.02292 (15092201)	0.02339 (15022204)
3752823.1 |	0.02993 (15103120)	0.03602 (15022204)	0.03202 (14030524)	0.02180 (14122017)	0.02048 (15113017)
3752773.1 |	0.02772 (15103120)	0.03017 (15022204)	0.02731 (14030524)	0.02341 (14080103)	0.01922 (15100522)
3752723.1 |	0.02449 (15103120)	0.02590 (15022204)	0.02378 (15022022)	0.02115 (15083104)	0.01782 (15100522)
3752673.1 |	0.02114 (15103120)	0.02228 (15022204)	0.02193 (15022022)	0.01968 (16011002)	0.01739 (14030221)
3752623.1 |	0.01835 (15081222)	0.02007 (15022204)	0.01996 (15022022)	0.01796 (16011002)	0.01669 (14101805)

3752573.1 |	0.01692 (16081806)	0.01809 (15022204)	0.01814 (15022022)	0.01639 (15012022)	0.01578 (15083104)
3752523.1 |	0.01579 (16081806)	0.01656 (14081601)	0.01602 (14020724)	0.01420 (14012622)	0.01271 (15083104)
3752473.1 |	0.01474 (16081806)	0.01448 (14081601)	0.01370 (14012221)	0.01233 (14012622)	0.01130 (14012622)
3752423.1 |	0.01209 (16081806)	0.01275 (14081601)	0.01287 (14012221)	0.00998 (16071101)	0.00747 (14012622)
3752373.1 |	0.01096 (16081806)	0.01002 (16081806)	0.01130 (14012221)	0.00810 (16071101)	0.00589 (14012622)
3752323.1 |	0.01101 (16081806)	0.00870 (16081806)	0.00936 (14012221)	0.00698 (16071101)	0.00579 (14012622)
3752273.1 |	0.00898 (16081806)	0.00712 (16081806)	0.00692 (14012221)	0.00692 (16071101)	0.00517 (16071101)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD |	X-COORD (METERS)				
(METERS) |	471574.27	471624.27	471674.27	471724.27	471774.27
- - -

3753023.1 |	0.03296 (15081802)	0.02712 (14081303)	0.02493 (14062505)	0.02266 (15081706)	0.02055 (14080406)
3752973.1 |	0.02606 (14082004)	0.02278 (16082505)	0.02128 (14071906)	0.01997 (14102022)	0.01865 (14081303)
3752923.1 |	0.02276 (15051624)	0.02049 (15071124)	0.01874 (16121206)	0.01903 (15093021)	0.01701 (15113017)
3752873.1 |	0.02139 (14030524)	0.01858 (15091022)	0.01713 (16040722)	0.01808 (15093021)	0.01652 (14080704)
3752823.1 |	0.02028 (14030524)	0.01643 (15082106)	0.01552 (14102623)	0.01699 (15091124)	0.01585 (15093021)
3752773.1 |	0.01814 (14030524)	0.01763 (15083104)	0.01682 (15100522)	0.01598 (15082403)	0.01517 (15093021)
3752723.1 |	0.01642 (15022022)	0.01642 (15083104)	0.01564 (15100522)	0.01503 (16032023)	0.01451 (15091124)
3752673.1 |	0.01594 (15100522)	0.01515 (15083104)	0.01480 (15113017)	0.01495 (14071905)	0.01454 (14082923)
3752623.1 |	0.01506 (15100522)	0.01391 (15100522)	0.01357 (14072702)	0.01342 (15113017)	0.01389 (14071905)
3752573.1 |	0.01316 (14030303)	0.01306 (15100522)	0.01284 (16120606)	0.01257 (14111824)	0.01229 (14071905)
3752523.1 |	0.01063 (14030221)	0.01174 (15100522)	0.01207 (15100522)	0.01165 (15100522)	0.01163 (14111824)
3752473.1 |	0.00865 (14012622)	0.01043 (15100522)	0.01050 (15100522)	0.01017 (15080424)	0.01051 (14061703)
3752423.1 |	0.00765 (14012622)	0.00802 (14012622)	0.00985 (15100522)	0.00841 (15080424)	0.00928 (15080424)
3752373.1 |	0.00702 (14012622)	0.00664 (14012622)	0.00631 (15100522)	0.00703 (15080424)	0.00786 (15080424)
3752323.1 |	0.00586 (14012622)	0.00552 (14012622)	0.00464 (15080424)	0.00535 (15080424)	0.00544 (15080424)
3752273.1 |	0.00523 (14012622)	0.00506 (14012622)	0.00347 (14053103)	0.00420 (15080424)	0.00495 (15080424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD |	X-COORD (METERS)				
(METERS) |	471824.27	471874.27	471924.27	471974.27	472024.27
3754223.1 |	0.00715 (14121619)	0.00709 (15032023)	0.00699 (15082804)	0.00689 (14081206)	0.00672 (14060102)
3754173.1 |	0.00737 (14101122)	0.00728 (15082804)	0.00725 (16040524)	0.00711 (14081206)	0.00694 (14032105)
3754123.1 |	0.00763 (15032023)	0.00756 (15082804)	0.00745 (14081206)	0.00733 (14060102)	0.00721 (14083104)
3754073.1 |	0.00769 (14050505)	0.00789 (16040524)	0.00773 (14081206)	0.00758 (14032105)	0.00747 (15082006)
3754023.1 |	0.00806 (15082804)	0.00811 (14081206)	0.00793 (14032206)	0.00786 (14083104)	0.00773 (14081603)
3753973.1 |	0.00834 (16040524)	0.00816 (14081206)	0.00801 (14032105)	0.00819 (15082006)	0.00800 (15072806)
3753923.1 |	0.00869 (14081206)	0.00833 (15080324)	0.00855 (15082006)	0.00852 (15072806)	0.00840 (15072806)
3753873.1 |	0.00902 (14081206)	0.00872 (15082006)	0.00852 (14081603)	0.00852 (15072806)	0.00835 (15091003)
3753823.1 |	0.00953 (15080324)	0.00914 (15082006)	0.00896 (15072806)	0.00863 (15091003)	0.00837 (16022721)
3753773.1 |	0.01025 (15082006)	0.00984 (15072806)	0.00938 (15091003)	0.00901 (16022721)	0.00879 (15100622)
3753723.1 |	0.01108 (15072806)	0.01054 (15091003)	0.00995 (16022721)	0.00963 (14030602)	0.00929 (16010324)
3753673.1 |	0.01203 (16022721)	0.01122 (14030602)	0.01073 (16010324)	0.01071 (15020524)	0.01036 (16120601)
3753623.1 |	0.01302 (14030602)	0.01234 (15020524)	0.01161 (14083101)	0.01174 (14083101)	0.01093 (15081005)
3753573.1 |	0.01431 (14083101)	0.01334 (14101102)	0.01242 (15081005)	0.01216 (16121419)	0.01152 (14101022)
3753523.1 |	0.01623 (15081005)	0.01460 (14081424)	0.01306 (14101022)	0.01231 (15051301)	0.01249 (14122920)

3753473.1 |	0.01816 (15051301)	0.01596 (14122920)	0.01381 (14122920)	0.01246 (15091404)	0.01260 (15091404)
3753423.1 |	0.01912 (15091404)	0.01631 (15042306)	0.01446 (14121103)	0.01330 (14021008)	0.01252 (14021008)
3753373.1 |	0.01967 (14021008)	0.01660 (14021008)	0.01552 (14030422)	0.01478 (14053124)	0.01286 (14053124)
3753323.1 |	0.01955 (14053124)	0.01691 (16062702)	0.01683 (16062702)	0.01539 (16062702)	0.01342 (16062702)
3753273.1 |	0.02046 (14090605)	0.01805 (14090605)	0.01736 (14090605)	0.01571 (14090605)	0.01378 (14101402)
3753223.1 |	0.02093 (14062202)	0.01893 (14062202)	0.01748 (14062202)	0.01595 (14062202)	0.01353 (14062202)
3753173.1 |	0.02078 (16041324)	0.01887 (15022103)	0.01729 (15022103)	0.01567 (15022103)	0.01335 (15022103)
3753123.1 |	0.02023 (15080302)	0.01845 (15080302)	0.01674 (15080302)	0.01501 (15080302)	0.01403 (15080302)
3753073.1 |	0.01889 (14052604)	0.01701 (16061724)	0.01579 (16061724)	0.01488 (16061724)	0.01396 (16061724)
3753023.1 |	0.01872 (14080406)	0.01713 (14080406)	0.01578 (15083024)	0.01450 (14052604)	0.01337 (14052604)
3752973.1 |	0.01735 (14062505)	0.01621 (15081706)	0.01502 (15081706)	0.01399 (15061004)	0.01315 (14060302)
3752923.1 |	0.01582 (14102022)	0.01500 (14102022)	0.01415 (14081303)	0.01336 (14081303)	0.01316 (14081303)
3752873.1 |	0.01448 (16121206)	0.01367 (14080903)	0.01308 (14071906)	0.01254 (14102022)	0.01235 (15011018)
3752823.1 |	0.01459 (14080704)	0.01355 (15113017)	0.01295 (14071905)	0.01167 (16121206)	0.01312 (16013021)
3752773.1 |	0.01422 (14080704)	0.01359 (15082624)	0.01269 (15082624)	0.01098 (14062805)	0.01246 (16030504)
3752723.1 |	0.01441 (15081903)	0.01403 (15101323)	0.01226 (15113017)	0.01135 (14071905)	0.01311 (14111506)
3752673.1 |	0.01353 (15030101)	0.01279 (15081903)	0.01187 (14080704)	0.01133 (15113017)	0.01312 (14050902)
3752623.1 |	0.01342 (14082923)	0.01232 (15030101)	0.01152 (14080704)	0.01096 (15113017)	0.01240 (14072603)
3752573.1 |	0.01265 (14071905)	0.01243 (14082923)	0.01184 (14082923)	0.01120 (15102121)	0.01121 (16092203)
3752523.1 |	0.01137 (14071905)	0.01155 (15091823)	0.01142 (15091823)	0.01146 (16092124)	0.01103 (16092124)
3752473.1 |	0.01036 (14060203)	0.00926 (16040324)	0.00942 (16040324)	0.01010 (16042401)	0.01080 (16092124)
3752423.1 |	0.00854 (14061703)	0.00841 (14060203)	0.00858 (16040324)	0.00876 (16040324)	0.00975 (16042401)
3752373.1 |	0.00888 (15080424)	0.00759 (14060203)	0.00777 (14060203)	0.00821 (16040324)	0.00882 (16040324)
3752323.1 |	0.00763 (15080424)	0.00671 (15080424)	0.00694 (14060203)	0.00717 (14060203)	0.00799 (16040324)
3752273.1 |	0.00642 (15080424)	0.00606 (15080424)	0.00600 (15080424)	0.00652 (14060203)	0.00625 (14060203)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD |	X-COORD (METERS)				
(METERS) |	472074.27	472124.27	472174.27	472224.27	472274.27
3754223.1 |	0.00663 (14032105)	0.00654 (14083104)	0.00643 (14081603)	0.00624 (15082801)	0.00616 (15072806)
3754173.1 |	0.00688 (14083104)	0.00675 (14081603)	0.00656 (15082801)	0.00645 (15072806)	0.00639 (14070601)
3754123.1 |	0.00707 (15082006)	0.00690 (15082801)	0.00681 (15072806)	0.00664 (15072806)	0.00648 (16031801)
3754073.1 |	0.00729 (14081603)	0.00720 (15072806)	0.00704 (15072806)	0.00665 (16031801)	0.00644 (15080404)
3754023.1 |	0.00756 (15072806)	0.00752 (15072806)	0.00711 (16031801)	0.00679 (15080404)	0.00645 (15092304)
3753973.1 |	0.00793 (15072806)	0.00768 (16031801)	0.00754 (15080404)	0.00689 (14111005)	0.00687 (14111005)

3753923.1 |	0.00804 (15080404)	0.00774 (15080404)	0.00758 (16022721)	0.00700 (15100622)	0.00706 (14030602)
3753873.1 |	0.00799 (15091003)	0.00762 (16022721)	0.00753 (15100622)	0.00722 (14030602)	0.00700 (16010324)
3753823.1 |	0.00815 (16022721)	0.00844 (14030602)	0.00773 (16010324)	0.00745 (15020524)	0.00721 (15020524)
3753773.1 |	0.00895 (14030602)	0.00907 (16010324)	0.00893 (15020524)	0.00826 (16120601)	0.00783 (14083101)
3753723.1 |	0.00900 (15020524)	0.00938 (16120601)	0.00962 (14083101)	0.00911 (14101102)	0.00842 (15081005)
3753673.1 |	0.00937 (14083101)	0.00938 (15081005)	0.00955 (15081005)	0.00943 (16121419)	0.00898 (14021922)
3753623.1 |	0.00974 (15081005)	0.00930 (16121419)	0.00924 (14101022)	0.00933 (14101022)	0.00919 (15041901)
3753573.1 |	0.01080 (14101022)	0.00952 (15051301)	0.00908 (14122920)	0.00905 (14122920)	0.00909 (15091404)
3753523.1 |	0.01144 (14122920)	0.01025 (15091404)	0.00929 (15091404)	0.00884 (15042306)	0.00882 (15042306)
3753473.1 |	0.01205 (15042306)	0.01122 (14121103)	0.00992 (14021008)	0.00905 (14021008)	0.00864 (14021008)
3753423.1 |	0.01242 (14021008)	0.01191 (14021008)	0.01067 (14030422)	0.00978 (14053124)	0.00886 (14053124)
3753373.1 |	0.01240 (14053124)	0.01200 (16062702)	0.01115 (16062702)	0.01023 (16062702)	0.00916 (16062702)
3753323.1 |	0.01250 (14090605)	0.01195 (14090605)	0.01134 (14090605)	0.01028 (14090605)	0.00924 (14090605)
3753273.1 |	0.01252 (14073104)	0.01184 (14073104)	0.01111 (14073104)	0.01004 (14073104)	0.00917 (14073104)
3753223.1 |	0.01242 (15072804)	0.01142 (15072804)	0.01057 (16050805)	0.00969 (16050805)	0.00949 (16120623)
3753173.1 |	0.01256 (15022103)	0.01138 (15022103)	0.01046 (15022103)	0.00988 (15022103)	0.00956 (15022103)
3753123.1 |	0.01310 (16011618)	0.01182 (16011618)	0.01040 (16011618)	0.00990 (16011618)	0.00953 (16011618)
3753073.1 |	0.01297 (16061724)	0.01179 (16061724)	0.01069 (16061724)	0.01013 (16061724)	0.00958 (15080302)
3753023.1 |	0.01252 (14052604)	0.01172 (14052604)	0.01122 (14052604)	0.01028 (14052604)	0.00938 (16071302)
3752973.1 |	0.01234 (14060302)	0.01166 (15080304)	0.01094 (15083024)	0.01003 (15083024)	0.00929 (15083024)
3752923.1 |	0.01188 (15081706)	0.01117 (16062805)	0.01061 (15061004)	0.00967 (15061004)	0.00907 (14060302)
3752873.1 |	0.01210 (14092524)	0.01079 (14081303)	0.01025 (14062505)	0.00972 (15081706)	0.00916 (15081706)
3752823.1 |	0.01113 (16082505)	0.01036 (14102022)	0.00996 (14102022)	0.00950 (14102022)	0.00900 (14081303)
3752773.1 |	0.01081 (16092203)	0.00976 (14080903)	0.00943 (16050705)	0.00909 (14071906)	0.00877 (14102022)
3752723.1 |	0.01048 (16092203)	0.00925 (14062805)	0.00897 (16121206)	0.00871 (16121206)	0.00842 (14080903)
3752673.1 |	0.01240 (14050902)	0.01210 (14111506)	0.01076 (15082624)	0.00844 (14062805)	0.00815 (16121206)
3752623.1 |	0.01204 (16053105)	0.01109 (16053105)	0.01057 (14050902)	0.00929 (15101323)	0.00860 (15101323)
3752573.1 |	0.01092 (16092203)	0.00958 (14071905)	0.00793 (14092422)	0.00769 (15091022)	0.00752 (16040722)
3752523.1 |	0.01114 (16092203)	0.01077 (16092203)	0.00988 (16092203)	0.00841 (14082923)	0.00727 (15091022)
3752473.1 |	0.01070 (16092124)	0.01055 (16092203)	0.01048 (16092203)	0.00979 (16092203)	0.00836 (14082923)
3752423.1 |	0.01015 (16092124)	0.01013 (16092124)	0.00971 (16092124)	0.00933 (16092203)	0.00923 (16092203)
3752373.1 |	0.00979 (15091823)	0.00967 (15091823)	0.00931 (15091823)	0.00924 (16092124)	0.00920 (16092203)
3752323.1 |	0.00861 (16040324)	0.00914 (15091823)	0.00924 (15091823)	0.00911 (16092124)	0.00906 (16092124)
3752273.1 |	0.00674 (16040324)	0.00776 (16040324)	0.00850 (15091823)	0.00865 (15091823)	0.00874 (16092124)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)

- - - -

3753173.1 |	0.00221 (14121424)	0.00230 (14121424)	0.00217 (14121424)	0.00166 (16122824)	0.00184 (16122824)
3753123.1 |	0.00207 (16112324)	0.00222 (16112324)	0.00222 (16112324)	0.00202 (14010624)	0.00200 (14010624)
3753073.1 |	0.00218 (14010624)	0.00240 (14010624)	0.00269 (14010624)	0.00290 (14010624)	0.00311 (14010624)
3753023.1 |	0.00217 (14010624)	0.00235 (14010624)	0.00250 (14010624)	0.00284 (16012024)	0.00323 (16012024)
3752973.1 |	0.00219 (16012024)	0.00247 (16012024)	0.00274 (16012024)	0.00304 (16012024)	0.00343 (14010424)
3752923.1 |	0.00231 (16012024)	0.00254 (14010424)	0.00276 (14010424)	0.00309 (14010424)	0.00356 (14010424)
3752873.1 |	0.00235 (14010424)	0.00256 (14010424)	0.00277 (14010424)	0.00310 (14010424)	0.00341 (14010424)
3752823.1 |	0.00238 (14010424)	0.00252 (14010424)	0.00265 (14010424)	0.00278 (14010424)	0.00295 (14010424)
3752773.1 |	0.00231 (14010424)	0.00237 (14010424)	0.00238 (14010424)	0.00235 (14010424)	0.00254m(16123124)
3752723.1 |	0.00209 (14010424)	0.00208 (14010424)	0.00202 (14010424)	0.00210m(16123124)	0.00222m(16123124)
3752673.1 |	0.00171 (14010424)	0.00174m(16123124)	0.00185m(16123124)	0.00198 (14012024)	0.00212 (14012024)
3752623.1 |	0.00150m(16123124)	0.00164 (14012024)	0.00177 (14012024)	0.00187 (14012024)	0.00197 (14012024)
3752573.1 |	0.00145 (14012024)	0.00156 (14012024)	0.00164 (14012024)	0.00175 (14012024)	0.00176 (14012024)
3752523.1 |	0.00141 (14012024)	0.00146 (14012024)	0.00150 (14012024)	0.00153 (14012024)	0.00158 (15112624)
3752473.1 |	0.00134 (14012024)	0.00136 (14012024)	0.00136 (14012024)	0.00138 (15112624)	0.00151 (15112624)
3752423.1 |	0.00127 (14012024)	0.00127 (14012024)	0.00126 (15112624)	0.00133 (15112624)	0.00140 (15112624)
3752373.1 |	0.00117 (14012024)	0.00116 (15112624)	0.00122 (15112624)	0.00127 (15112624)	0.00131 (15112624)
3752323.1 |	0.00106 (15112624)	0.00113 (15112624)	0.00117 (15112624)	0.00125 (15112624)	0.00129 (15112624)
3752273.1 |	0.00104 (15112624)	0.00111 (15112624)	0.00111 (15112624)	0.00117 (15112624)	0.00119 (15112624)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD |	X-COORD (METERS)				
(METERS) |	470574.27	470624.27	470674.27	470724.27	470774.27
3754223.1 |	0.00085 (15100224)	0.00084 (15100224)	0.00084 (15100224)	0.00082 (15100224)	0.00085 (15011124)
3754173.1 |	0.00086 (15100224)	0.00089 (15100224)	0.00091 (15100224)	0.00089 (15100224)	0.00087 (15011124)
3754123.1 |	0.00096 (15030924)	0.00094 (15030924)	0.00096 (15100224)	0.00097 (15100224)	0.00093 (15100224)
3754073.1 |	0.00111 (15030924)	0.00105 (15030924)	0.00105 (15030924)	0.00100 (15100224)	0.00102 (15100224)
3754023.1 |	0.00120 (15030924)	0.00119 (15030924)	0.00113 (15030924)	0.00110 (15030924)	0.00111 (14102024)
3753973.1 |	0.00132 (15092924)	0.00129 (15092924)	0.00124 (15030924)	0.00124 (15030924)	0.00124 (15030924)
3753923.1 |	0.00148 (15092924)	0.00147 (15092924)	0.00145 (15092924)	0.00143 (15092924)	0.00137 (15030924)
3753873.1 |	0.00169 (15092924)	0.00166 (15092924)	0.00167 (15092924)	0.00169 (15092924)	0.00162 (15092924)
3753823.1 |	0.00194 (15092924)	0.00188 (15092924)	0.00187 (15092924)	0.00195 (15092924)	0.00187 (15092924)
3753773.1 |	0.00197 (15092924)	0.00196 (15092924)	0.00204 (15092924)	0.00218 (15092924)	0.00217 (15092924)
3753723.1 |	0.00200 (15092924)	0.00205 (15092924)	0.00219 (15092924)	0.00233 (15092924)	0.00241 (15092924)
3753673.1 |	0.00208 (15092924)	0.00220 (15092924)	0.00223 (15092924)	0.00241 (15092924)	0.00258 (15092924)

3753623.1 | 0.00224 (15092924) 0.00233 (15092924) 0.00243 (15092924) 0.00250 (15092924) 0.00271 (15092924)

3753573.1 | 0.00263 (15092924) 0.00264 (15092924) 0.00258 (15092924) 0.00268 (15092924) 0.00289 (15092924)

3753523.1 | 0.00303 (15092924) 0.00309 (15092924) 0.00307 (15092924) 0.00306 (15092924) 0.00326 (15092924)

3753473.1 | 0.00306 (15092924) 0.00342 (15092924) 0.00362 (15092924) 0.00370 (15092924) 0.00373 (15092924)

3753423.1 | 0.00285 (16092324) 0.00317 (15092924) 0.00375 (15092924) 0.00427 (15092924) 0.00442 (15092924)

3753373.1 | 0.00357m(14041424) 0.00384m(14041424) 0.00383m(14041424) 0.00404 (15092924) 0.00496 (15092924)

3753323.1 | 0.00318m(14041424) 0.00395m(14041424) 0.00457m(14041424) 0.00507m(14041424) 0.00516m(14041424)

3753273.1 | 0.00310 (14072424) 0.00384 (14072424) 0.00430 (14072424) 0.00466 (14072424) 0.00572m(14041424)

3753223.1 | 0.00258 (14121424) 0.00296 (14121424) 0.00374 (14072424) 0.00463 (14072424) 0.00567 (14072424)

3753173.1 | 0.00231 (16122824) 0.00324 (14121424) 0.00397 (14121424) 0.00478 (14121424) 0.00566 (14121424)

3753123.1 | 0.00277 (14010624) 0.00366 (14010624) 0.00427 (14010624) 0.00510 (14010624) 0.00597 (14010624)

3753073.1 | 0.00329 (14010624) 0.00356 (14010624) 0.00418 (16012024) 0.00496 (16012024) 0.00613 (14010424)

3753023.1 | 0.00367 (16012024) 0.00413 (14010424) 0.00483 (14010424) 0.00536 (14010424) 0.00566 (14010424)

3752973.1 | 0.00392 (14010424) 0.00437 (14010424) 0.00470 (14010424) 0.00463 (14010424) 0.00453m(16123124)

3752923.1 | 0.00389 (14010424) 0.00400 (14010424) 0.00388 (14010424) 0.00403m(16123124) 0.00441m(16123124)

3752873.1 | 0.00342 (14010424) 0.00325m(16123124) 0.00358m(16123124) 0.00384m(16123124) 0.00403m(16123124)

3752823.1 | 0.00292m(16123124) 0.00312m(16123124) 0.00328m(16123124) 0.00338m(16123124) 0.00344m(16123124)

3752773.1 | 0.00269m(16123124) 0.00278m(16123124) 0.00283m(16123124) 0.00287m(16123124) 0.00291 (14080324)

3752723.1 | 0.00238m(16123124) 0.00247 (14012024) 0.00250 (14080324) 0.00262 (14080324) 0.00262 (14080324)

3752673.1 | 0.00222 (14012024) 0.00221 (14080324) 0.00232 (14080324) 0.00234 (14080324) 0.00235 (15112624)

3752623.1 | 0.00199 (14012024) 0.00201 (14080324) 0.00206 (15112624) 0.00215 (15112624) 0.00215 (15112624)

3752573.1 | 0.00179 (14080324) 0.00184 (15112624) 0.00192 (15112624) 0.00197 (15112624) 0.00195 (15112624)

3752523.1 | 0.00168 (15112624) 0.00171 (15112624) 0.00174 (15112624) 0.00178 (15112624) 0.00173 (15112624)

3752473.1 | 0.00157 (15112624) 0.00159 (15112624) 0.00160 (15112624) 0.00159 (15112624) 0.00153 (15112624)

3752423.1 | 0.00145 (15112624) 0.00150 (15112624) 0.00149 (15112624) 0.00143 (15112624) 0.00133 (15112624)

3752373.1 | 0.00134 (15112624) 0.00134 (15112624) 0.00133 (15112624) 0.00124 (15112624) 0.00119 (14020624)

3752323.1 | 0.00127 (15112624) 0.00122 (15112624) 0.00116 (15112624) 0.00110 (16012024) 0.00111 (16123024)

3752273.1 | 0.00116 (15112624) 0.00110 (15112624) 0.00103 (16012024) 0.00102 (16123024) 0.00108 (16123024)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,

L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,

L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,

L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD | X-COORD (METERS)

(METERS) | 470824.27 470874.27 470924.27 470974.27 471024.27

- - - -

3754073.1 | 0.00107 (15010924) 0.00108 (15010924) 0.00109 (15011124) 0.00111 (15011124) 0.00117 (15011124)
3754023.1 | 0.00117 (15010924) 0.00123 (15010924) 0.00131 (15010924) 0.00128 (15010924) 0.00121 (14102724)
3753973.1 | 0.00124 (14102024) 0.00133 (15010924) 0.00144 (15010924) 0.00152 (15010924) 0.00144 (15010924)
3753923.1 | 0.00134 (15030924) 0.00135 (15010924) 0.00147 (15010924) 0.00158 (15010924) 0.00167 (15010924)
3753873.1 | 0.00150 (15092924) 0.00144 (15030924) 0.00151 (15010924) 0.00176 (15010924) 0.00193 (15010924)
3753823.1 | 0.00184 (15092924) 0.00171 (15092924) 0.00154 (15010924) 0.00183 (15010924) 0.00213 (15010924)
3753773.1 | 0.00225 (15092924) 0.00211 (15092924) 0.00191 (15092924) 0.00191 (15010924) 0.00226 (15010924)
3753723.1 | 0.00251 (15092924) 0.00247 (15092924) 0.00230 (15092924) 0.00224 (15092924) 0.00239 (15010924)
3753673.1 | 0.00274 (15092924) 0.00274 (15092924) 0.00264 (15092924) 0.00266 (15092924) 0.00274 (15092924)
3753623.1 | 0.00289 (15092924) 0.00302 (15092924) 0.00302 (15092924) 0.00308 (15092924) 0.00317 (15092924)
3753573.1 | 0.00311 (15092924) 0.00325 (15092924) 0.00336 (15092924) 0.00342 (15092924) 0.00348 (15092924)
3753523.1 | 0.00349 (15092924) 0.00353 (15092924) 0.00406 (15092924) 0.00414 (15092924) 0.00402 (15092924)
3753473.1 | 0.00410 (15030924) 0.00425 (15030924) 0.00406 (15092924) 0.00413 (15092924) 0.00436 (15092924)
3753423.1 | 0.00454 (15092924) 0.00469 (15030924) 0.00465 (15092924) 0.00475 (15092924) 0.00505 (15092924)
3753373.1 | 0.00555 (15092924) 0.00589 (15092924) 0.00614 (15092924) 0.00622 (15092924) 0.00604 (15092924)
3753323.1 | 0.00573 (15092924) 0.00708 (15092924) 0.00838 (15092924) 0.00889 (15092924) 0.00834 (15092924)
3753273.1 | 0.00699m(14041424) 0.00787m(14041424) 0.00939 (15092924) 0.01202 (15092924) 0.01311 (15092924)
3753223.1 | 0.00694 (14072424) 0.00846 (14072424) 0.01049 (16010224) 0.01609 (15092924) 0.02000 (15092924)
3753173.1 | 0.00686 (14121424) 0.00871 (14121424) 0.01287 (14010624) 0.02552 (14010624) 0.03799 (16012024)
3753123.1 | 0.00719 (16012024) 0.00969 (14010424) 0.01224 (14010424) 0.01442m(16123124) 0.01707 (16012024)
3753073.1 | 0.00752 (14010424) 0.00788 (14010424) 0.00865m(16123124) 0.00924m(16123124) 0.01004 (16011924)
3753023.1 | 0.00547 (14010424) 0.00615m(16123124) 0.00644m(16123124) 0.00650m(16123124) 0.00721 (14020624)
3752973.1 | 0.00510m(16123124) 0.00541m(16123124) 0.00541m(16123124) 0.00572 (14020624) 0.00618 (14020624)
3752923.1 | 0.00473m(16123124) 0.00477m(16123124) 0.00466 (14020624) 0.00518 (14020624) 0.00536 (14020624)
3752873.1 | 0.00407m(16123124) 0.00395m(16123124) 0.00411 (14020624) 0.00421 (14020624) 0.00427 (14020624)
3752823.1 | 0.00335m(16123124) 0.00333 (14020624) 0.00333 (14020624) 0.00338 (16011924) 0.00347 (14080324)
3752773.1 | 0.00288 (14080324) 0.00286 (16011924) 0.00304 (16011924) 0.00297 (16011924) 0.00292 (14080324)
3752723.1 | 0.00251 (15112624) 0.00260 (16011924) 0.00263 (16011924) 0.00252m(15020724) 0.00256m(15020724)
3752673.1 | 0.00231 (15112624) 0.00225 (16011924) 0.00222m(15020724) 0.00237m(15020724) 0.00224m(15020724)
3752623.1 | 0.00210 (15112624) 0.00201 (15112624) 0.00212m(15020724) 0.00214m(15020724) 0.00188m(15020724)
3752573.1 | 0.00187 (15112624) 0.00184m(15020724) 0.00190m(15020724) 0.00180m(15020724) 0.00159m(15020724)
3752523.1 | 0.00163 (15112624) 0.00168m(15020724) 0.00164m(15020724) 0.00148m(15020724) 0.00138m(15020724)
3752473.1 | 0.00146m(15020724) 0.00149m(15020724) 0.00139m(15020724) 0.00127m(15020724) 0.00126m(15020724)
3752423.1 | 0.00132m(15020724) 0.00131m(15020724) 0.00119 (15052324) 0.00115 (15052324) 0.00119m(15020724)
3752373.1 | 0.00119 (16123024) 0.00115 (16123024) 0.00113 (15052324) 0.00108 (15052324) 0.00116m(15020724)
3752323.1 | 0.00114 (16123024) 0.00111 (15052324) 0.00111 (15052324) 0.00105m(15020724) 0.00120m(15020724)
3752273.1 | 0.00106 (16123024) 0.00107 (15052324) 0.00104 (15052324) 0.00103m(15020724) 0.00119m(15020724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 471074.27	471124.27	471174.27	471224.27	471274.27
3754223.1	0.00085 (14090924)	0.00083 (15041124)	0.00082 (15041124)	0.00079m(16081424)	0.00081 (15110324)
3754173.1	0.00095 (14090924)	0.00092 (15041124)	0.00090 (15041124)	0.00086 (15041124)	0.00086 (15110324)
3754123.1	0.00106b(14012924)	0.00099 (14090924)	0.00096 (15041124)	0.00095 (15041124)	0.00093m(16081424)
3754073.1	0.00116b(14012924)	0.00110b(14012924)	0.00104 (15041124)	0.00103 (15041124)	0.00102m(16081424)
3754023.1	0.00126b(14012924)	0.00122b(14012924)	0.00114 (15041124)	0.00116 (15041124)	0.00110 (15041124)
3753973.1	0.00139 (14102724)	0.00148b(14012924)	0.00139b(14012924)	0.00126 (15041124)	0.00124 (15041124)
3753923.1	0.00161 (15010924)	0.00161 (14102724)	0.00163b(14012924)	0.00146 (15021824)	0.00144 (15041124)
3753873.1	0.00193 (15010924)	0.00178 (15010924)	0.00173 (14102724)	0.00175 (15021824)	0.00174 (15021824)
3753823.1	0.00221 (15010924)	0.00214 (15010924)	0.00200 (14102724)	0.00199 (15021824)	0.00193 (15021824)
3753773.1	0.00238 (15010924)	0.00228 (15010924)	0.00212 (14102724)	0.00215 (14102724)	0.00214 (14102724)
3753723.1	0.00256 (15010924)	0.00256 (15010924)	0.00237 (15010924)	0.00246 (14102724)	0.00250 (14102724)
3753673.1	0.00279 (15010924)	0.00282 (15010924)	0.00258 (15010924)	0.00259 (14102724)	0.00281 (14102724)
3753623.1	0.00315 (15092924)	0.00304 (15092924)	0.00292 (15092924)	0.00308 (14102724)	0.00318 (14102724)
3753573.1	0.00347 (15092924)	0.00364 (15092924)	0.00389 (15092924)	0.00399 (15092924)	0.00364 (15021824)
3753523.1	0.00394 (15092924)	0.00422 (15092924)	0.00458 (15092924)	0.00496 (15092924)	0.00480 (15092924)
3753473.1	0.00449 (15092924)	0.00456 (15092924)	0.00505 (15092924)	0.00550 (15092924)	0.00588 (15092924)
3753423.1	0.00504 (15092924)	0.00505 (15092924)	0.00557 (15092924)	0.00646 (15092924)	0.00710 (15092924)
3753373.1	0.00612 (15011124)	0.00625 (15011124)	0.00612 (15011124)	0.00680 (15011124)	0.00798 (14010424)
3753323.1	0.00796 (15010924)	0.00856 (15011124)	0.00837 (15011124)	0.00832 (14010424)	0.01015 (14010424)
3753273.1	0.01237 (15092924)	0.01268 (15011124)	0.01274 (15011124)	0.01097 (15011124)	0.01189 (14010424)
3753223.1	0.02560 (15092924)	0.02593 (15092924)	0.02492 (14102724)	0.02011 (14102724)	0.01496 (14092124)
3753173.1	0.04433 (16012024)	0.04333 (16011924)	0.04188b(16120624)	0.04005b(16120624)	0.02140 (16071324)
3753123.1	0.01831 (16011924)	0.01832 (16011924)	0.01674b(16120624)	0.01795b(16120624)	0.01689b(16120624)
3753073.1	0.01090 (16011924)	0.01098 (16011924)	0.01095 (16011924)	0.01120 (16011924)	0.01255 (16011924)
3753023.1	0.00741 (16011924)	0.00793 (16011924)	0.00857 (16011924)	0.00969 (16011924)	0.01207 (16011924)
3752973.1	0.00624 (14020624)	0.00630 (14020624)	0.00713 (16011924)	0.00849 (16011924)	0.01055 (16011924)
3752923.1	0.00545 (14020624)	0.00549 (14080324)	0.00596 (16011924)	0.00705 (16011924)	0.00807 (16011924)
3752873.1	0.00442 (14080324)	0.00464 (14080324)	0.00476 (14080324)	0.00493 (16011924)	0.00499 (16011924)
3752823.1	0.00362 (14080324)	0.00368 (14080324)	0.00357 (14080324)	0.00365 (16011524)	0.00354 (16011924)
3752773.1	0.00302 (14080324)	0.00296 (14080324)	0.00271 (16011524)	0.00262 (14120624)	0.00280m(15020724)
3752723.1	0.00253 (14080324)	0.00230 (16011524)	0.00230 (15022224)	0.00215m(15020724)	0.00250m(15020724)
3752673.1	0.00199 (16011524)	0.00197 (15022224)	0.00205 (15022224)	0.00201m(15020724)	0.00217m(15020724)
3752623.1	0.00163m(15020724)	0.00175 (15022224)	0.00178 (15022224)	0.00188m(15020724)	0.00182m(15020724)
3752573.1	0.00146m(15020724)	0.00155 (15022224)	0.00163m(15020724)	0.00166m(15020724)	0.00163m(15020724)
3752523.1	0.00141m(15020724)	0.00151m(15020724)	0.00151m(15020724)	0.00150m(15020724)	0.00150m(15020724)
3752473.1	0.00138m(15020724)	0.00151m(15020724)	0.00149m(15020724)	0.00129m(15020724)	0.00136m(15020724)
3752423.1	0.00135m(15020724)	0.00148m(15020724)	0.00143m(15020724)	0.00119m(15020724)	0.00106m(15020724)
3752373.1	0.00132m(15020724)	0.00130m(15020724)	0.00116m(15020724)	0.00099m(15020724)	0.00094m(15020724)
3752323.1	0.00133m(15020724)	0.00118m(15020724)	0.00092m(15020724)	0.00085 (15022224)	0.00086 (15022224)
3752273.1	0.00127m(15020724)	0.00108m(15020724)	0.00084m(15020724)	0.00077 (15022224)	0.00082 (15022224)

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

INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS) |	X-COORD (METERS) 471324.27	471374.27	471424.27	471474.27	471524.27
3754223.1 |	0.00082 (15022024)	0.00085 (15022024)	0.00087 (14040424)	0.00101 (14040424)	0.00108 (14040424)
3754173.1 |	0.00086 (15022024)	0.00088 (15022024)	0.00088 (14040424)	0.00101 (14040424)	0.00110 (14040424)
3754123.1 |	0.00092 (15110324)	0.00094 (15022024)	0.00093 (14040424)	0.00106 (14040424)	0.00114 (14040424)
3754073.1 |	0.00100m(16081424)	0.00101 (15022024)	0.00099 (14040424)	0.00112 (14040424)	0.00119 (14040424)
3754023.1 |	0.00111m(16081424)	0.00110 (15022024)	0.00108 (14040424)	0.00121 (14040424)	0.00125 (14040424)
3753973.1 |	0.00123m(16081424)	0.00120 (15022024)	0.00119 (14040424)	0.00131 (14040424)	0.00134 (14040424)
3753923.1 |	0.00138m(16081424)	0.00131m(16081424)	0.00132 (15022024)	0.00143 (14040424)	0.00144 (14040424)
3753873.1 |	0.00155 (15041124)	0.00149 (14101224)	0.00144 (14101224)	0.00154 (14040424)	0.00156 (14040424)
3753823.1 |	0.00175 (14102724)	0.00167 (14101224)	0.00164 (14101224)	0.00171 (14040424)	0.00171 (14040424)
3753773.1 |	0.00210 (14102724)	0.00201 (14101224)	0.00195 (14101224)	0.00191 (14040424)	0.00194 (14040424)
3753723.1 |	0.00252 (14102724)	0.00240 (14102724)	0.00234 (14101224)	0.00221 (14102724)	0.00225 (14102724)
3753673.1 |	0.00297 (14102724)	0.00292 (14102724)	0.00290 (14101224)	0.00279m(16081424)	0.00272 (14102724)
3753623.1 |	0.00341 (14102724)	0.00375 (14102724)	0.00385 (14102724)	0.00355m(16081424)	0.00326 (14102724)
3753573.1 |	0.00406 (15010924)	0.00530 (15010924)	0.00572 (14102724)	0.00516 (14102724)	0.00446 (15022024)
3753523.1 |	0.00522 (15092924)	0.00763 (15010924)	0.00809 (14102724)	0.00820 (14102724)	0.00724 (15022024)
3753473.1 |	0.00704 (15092924)	0.00967 (15010924)	0.01197 (14102724)	0.01302 (14102724)	0.01178 (14102724)
3753423.1 |	0.00915 (15011124)	0.01391 (15011124)	0.01641b(16120624)	0.01666b(16120624)	0.01796 (15011124)
3753373.1 |	0.01120 (16121324)	0.01771 (14020624)	0.01412b(16120624)	0.01355 (15011124)	0.02037 (15011124)
3753323.1 |	0.01300 (16121324)	0.02074 (14020624)	0.01685b(16120624)	0.01414 (15011124)	0.02149 (14020624)
3753273.1 |	0.01517 (16121324)	0.02524 (14020624)	0.01938b(16120624)	0.01435b(16120624)	0.02161 (14020624)
3753223.1 |	0.01731 (16121324)	0.02251 (14020624)	0.02065b(16120624)	0.01550b(16120624)	0.02057 (14020624)
3753173.1 |	0.01716 (16121324)	0.02256 (14020624)	0.02132b(16120624)	0.01568b(16120624)	0.01774m(15020724)
3753123.1 |	0.01600b(16120624)	0.02158 (14020624)	0.02071b(16120624)	0.01793b(16120624)	0.01674b(16120624)
3753073.1 |	0.01728 (16012024)	0.03178 (14020624)	0.02321b(16120624)	0.01944b(16120624)	0.01767b(16120624)
3753023.1 |	0.01648 (16012024)	0.02813 (14020624)	0.01877b(16120624)	0.01385b(16120624)	0.01208b(16120624)
3752973.1 |	0.01345 (16011924)	0.02134m(15020724)	0.01554b(16120624)	0.01110b(16120624)	0.00939b(16120624)
3752923.1 |	0.00799 (16011924)	0.00977 (15022224)	0.00806 (15022224)	0.00708b(16120624)	0.00655b(16120624)
3752873.1 |	0.00536m(15020724)	0.00633 (15022224)	0.00681 (15022224)	0.00492b(16120624)	0.00476 (15022224)
3752823.1 |	0.00402m(15020724)	0.00444 (15022224)	0.00578 (15022224)	0.00428 (15022224)	0.00394b(16120624)
3752773.1 |	0.00328m(15020724)	0.00357 (15022224)	0.00469 (15022224)	0.00366 (15022224)	0.00313 (15022224)
3752723.1 |	0.00275m(15020724)	0.00297 (15022224)	0.00395 (15022224)	0.00321 (15022224)	0.00270 (15022224)
3752673.1 |	0.00236m(15020724)	0.00248 (15022224)	0.00358 (15022224)	0.00307 (15022224)	0.00259 (15022224)
3752623.1 |	0.00193m(15020724)	0.00221 (15022224)	0.00323 (15022224)	0.00290 (15022224)	0.00246 (15022224)
3752573.1 |	0.00169m(15020724)	0.00198 (15022224)	0.00292 (15022224)	0.00268 (15022224)	0.00232 (15022224)
3752523.1 |	0.00147m(15020724)	0.00179 (15022224)	0.00251 (15022224)	0.00228 (15022224)	0.00179 (15022224)

3752473.1 |	0.00126m(15020724)	0.00152 (15022224)	0.00197 (15022224)	0.00193 (15022224)	0.00157 (15022224)
3752423.1 |	0.00094m(15020724)	0.00132 (15022224)	0.00179 (15022224)	0.00150 (15022224)	0.00099 (15022224)
3752373.1 |	0.00086 (15022224)	0.00101 (15022224)	0.00150 (15022224)	0.00121 (15022224)	0.00082 (15022224)
3752323.1 |	0.00090 (15022224)	0.00087 (15022224)	0.00119 (15022224)	0.00106 (15022224)	0.00081 (15022224)
3752273.1 |	0.00074 (15022224)	0.00071 (15022224)	0.00087 (15022224)	0.00102 (15022224)	0.00075 (15022224)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD |	X-COORD (METERS)				
(METERS) |	471574.27	471624.27	471674.27	471724.27	471774.27
- - -

3752923.1 |	0.00651b(16120624)	0.00632b(16120624)	0.00598b(16120624)	0.00543b(16120624)	0.00499b(16120624)
3752873.1 |	0.00496 (15022224)	0.00475b(16120624)	0.00468b(16120624)	0.00452b(16120624)	0.00427b(16120624)
3752823.1 |	0.00423 (15022224)	0.00366b(16120624)	0.00360b(16120624)	0.00362b(16120624)	0.00352b(16120624)
3752773.1 |	0.00353 (15022224)	0.00314b(16120624)	0.00295b(16120624)	0.00282b(16120624)	0.00278b(16120624)
3752723.1 |	0.00295 (15022224)	0.00282b(16120624)	0.00261b(16120624)	0.00232b(16120624)	0.00215b(16120624)
3752673.1 |	0.00266 (15022224)	0.00260b(16120624)	0.00250b(16120624)	0.00216 (16010924)	0.00195 (16010924)
3752623.1 |	0.00231 (15022224)	0.00220b(16120624)	0.00225b(16120624)	0.00201b(16120624)	0.00191 (16010924)
3752573.1 |	0.00194 (15022224)	0.00186b(16120624)	0.00205b(16120624)	0.00195b(16120624)	0.00180 (16010924)
3752523.1 |	0.00152 (15022224)	0.00159 (15022224)	0.00180b(16120624)	0.00181b(16120624)	0.00166 (16010924)
3752473.1 |	0.00117 (15022224)	0.00141 (15022224)	0.00147b(16120624)	0.00153b(16120624)	0.00148b(16120624)
3752423.1 |	0.00100 (15022224)	0.00114 (15022224)	0.00126b(16120624)	0.00120b(16120624)	0.00127b(16120624)
3752373.1 |	0.00089 (15022224)	0.00093 (15022224)	0.00081b(16120624)	0.00096b(16120624)	0.00105b(16120624)
3752323.1 |	0.00074 (15022224)	0.00078 (15022224)	0.00060 (15022224)	0.00068b(16120624)	0.00071b(16120624)
3752273.1 |	0.00065 (15022224)	0.00069 (15022224)	0.00052 (15022224)	0.00050 (16043024)	0.00062b(16120624)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD | (METERS) |	X-COORD (METERS) 471824.27	471874.27	471924.27	471974.27	472024.27
3754223.1 |	0.00089 (15031924)	0.00091 (15031924)	0.00089 (15031924)	0.00085 (15031924)	0.00082 (16083024)
3754173.1 |	0.00095 (15031924)	0.00095 (15031924)	0.00093 (15031924)	0.00087 (15031924)	0.00089 (16083024)
3754123.1 |	0.00102 (15031924)	0.00101 (15031924)	0.00096 (15031924)	0.00093 (16083024)	0.00096 (16083024)
3754073.1 |	0.00105 (15031924)	0.00107 (15031924)	0.00100 (15031924)	0.00100 (16083024)	0.00100 (16083024)
3754023.1 |	0.00113 (15031924)	0.00111 (15031924)	0.00104 (16083024)	0.00107 (16083024)	0.00104 (16083024)
3753973.1 |	0.00120 (15031924)	0.00113 (15031924)	0.00109 (16083024)	0.00112 (16083024)	0.00105 (16083024)
3753923.1 |	0.00127 (15031924)	0.00117 (15031924)	0.00118 (16083024)	0.00115 (16083024)	0.00102 (16083024)
3753873.1 |	0.00135 (15031924)	0.00123 (15031924)	0.00117 (16083024)	0.00108 (16083024)	0.00096 (15031924)
3753823.1 |	0.00148 (15031924)	0.00130 (15031924)	0.00117 (16083024)	0.00106 (15031924)	0.00099 (15031924)
3753773.1 |	0.00163 (15031924)	0.00142 (15031924)	0.00125 (15031924)	0.00114 (15031924)	0.00108 (15031924)
3753723.1 |	0.00180 (15031924)	0.00157 (15031924)	0.00137 (15031924)	0.00125 (15031924)	0.00117 (15031924)
3753673.1 |	0.00200 (15031924)	0.00170 (15031924)	0.00150 (15031924)	0.00145 (15031924)	0.00135 (15031924)
3753623.1 |	0.00216 (15031924)	0.00189 (15031924)	0.00166 (15031924)	0.00159 (15031924)	0.00142 (15031924)
3753573.1 |	0.00237 (15031924)	0.00202 (15031924)	0.00176 (15031924)	0.00165 (15031924)	0.00147 (15031924)
3753523.1 |	0.00262 (15031924)	0.00219 (15031924)	0.00187 (15072824)	0.00176 (14100924)	0.00187 (14100924)
3753473.1 |	0.00329 (15072824)	0.00280 (15072824)	0.00238 (14100924)	0.00217 (14100924)	0.00223 (14100924)
3753423.1 |	0.00401 (15072824)	0.00339 (14092124)	0.00299 (14092124)	0.00272 (14092124)	0.00255 (14092124)

3753373.1 |	0.00470 (15101824)	0.00397 (15101824)	0.00370 (15101824)	0.00347 (15101824)	0.00302 (15101824)
3753323.1 |	0.00535 (15101824)	0.00461 (15101824)	0.00449 (15101824)	0.00408 (15101824)	0.00358 (15101824)
3753273.1 |	0.00597 (15101824)	0.00526 (15101824)	0.00496 (15101824)	0.00447 (15101824)	0.00392 (15101824)
3753223.1 |	0.00630 (15101824)	0.00562 (15101824)	0.00510 (15101824)	0.00460 (15101824)	0.00391 (15101824)
3753173.1 |	0.00615 (15101824)	0.00545 (15101824)	0.00488 (15101824)	0.00435 (15101824)	0.00369 (15101824)
3753123.1 |	0.00588 (16071324)	0.00525 (16071324)	0.00467 (16071324)	0.00411 (16071324)	0.00374 (16071324)
3753073.1 |	0.00561 (16071324)	0.00501 (16071324)	0.00457 (16071324)	0.00422 (16071324)	0.00389 (16071324)
3753023.1 |	0.00519b(16120624)	0.00477 (16071324)	0.00443 (16071324)	0.00408 (16071324)	0.00374 (16071324)
3752973.1 |	0.00499b(16120624)	0.00435b(16120624)	0.00375 (16121224)	0.00358 (16071324)	0.00341 (16071324)
3752923.1 |	0.00455b(16120624)	0.00410b(16120624)	0.00363b(16120624)	0.00321 (16121224)	0.00311 (16121224)
3752873.1 |	0.00400b(16120624)	0.00374b(16120624)	0.00341b(16120624)	0.00304b(16120624)	0.00277 (16121224)
3752823.1 |	0.00342b(16120624)	0.00328b(16120624)	0.00312b(16120624)	0.00285b(16120624)	0.00271b(16120624)
3752773.1 |	0.00277b(16120624)	0.00282b(16120624)	0.00277b(16120624)	0.00255b(16120624)	0.00248b(16120624)
3752723.1 |	0.00222 (16092224)	0.00231 (16092224)	0.00233b(16120624)	0.00226b(16120624)	0.00223b(16120624)
3752673.1 |	0.00176 (16092224)	0.00189 (16092224)	0.00192b(16120624)	0.00195b(16120624)	0.00195 (16092224)
3752623.1 |	0.00167 (16010924)	0.00153 (16092224)	0.00162b(16120624)	0.00166b(16120624)	0.00171 (16092224)
3752573.1 |	0.00168 (16010924)	0.00141 (16010924)	0.00136 (16092224)	0.00144 (16092224)	0.00147 (16092224)
3752523.1 |	0.00160 (16010924)	0.00127 (16010924)	0.00109 (16011524)	0.00120 (16092224)	0.00128 (16092224)
3752473.1 |	0.00137 (16010924)	0.00102 (16010924)	0.00088 (16010924)	0.00089 (16011524)	0.00104 (16092224)
3752423.1 |	0.00107 (16010924)	0.00097 (16010924)	0.00086 (16010924)	0.00076 (16030424)	0.00084 (15051724)
3752373.1 |	0.00110b(16120624)	0.00090 (16010924)	0.00083 (16010924)	0.00078 (16030424)	0.00077 (16030424)
3752323.1 |	0.00092b(16120624)	0.00078 (16010924)	0.00076 (16010924)	0.00072 (16030424)	0.00075 (16030424)
3752273.1 |	0.00076b(16120624)	0.00067b(16120624)	0.00067 (16010924)	0.00068 (16030424)	0.00061 (16030424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD |	X-COORD (METERS)				
(METERS) |	472074.27	472124.27	472174.27	472224.27	472274.27
- - -

3753823.1 |	0.00094 (15031924)	0.00096 (15031924)	0.00087 (15031924)	0.00082 (15031924)	0.00078 (15031924)
3753773.1 |	0.00107 (15031924)	0.00107 (15031924)	0.00103 (15031924)	0.00093 (15031924)	0.00085 (15031924)
3753723.1 |	0.00111 (15031924)	0.00113 (15031924)	0.00111 (15031924)	0.00102 (15031924)	0.00091 (15031924)
3753673.1 |	0.00116 (15031924)	0.00113 (15031924)	0.00110 (15031924)	0.00104 (15031924)	0.00098 (16101624)
3753623.1 |	0.00121 (15031924)	0.00110 (15031924)	0.00104 (16101624)	0.00111 (14100924)	0.00116 (14100924)
3753573.1 |	0.00135 (14100924)	0.00126 (14100924)	0.00126 (14100924)	0.00131 (14100924)	0.00136 (14100924)
3753523.1 |	0.00177 (14100924)	0.00163 (14100924)	0.00150 (14100924)	0.00146 (14100924)	0.00148 (14100924)
3753473.1 |	0.00216 (14100924)	0.00202 (14100924)	0.00179 (14100924)	0.00163 (14100924)	0.00155 (14100924)
3753423.1 |	0.00252 (14092124)	0.00241 (14092124)	0.00218 (14092124)	0.00199 (14092124)	0.00180 (14092124)
3753373.1 |	0.00290 (15101824)	0.00278 (15101824)	0.00257 (15101824)	0.00236 (15101824)	0.00212 (15101824)
3753323.1 |	0.00331 (15101824)	0.00311 (15101824)	0.00292 (15101824)	0.00263 (15101824)	0.00235 (15101824)
3753273.1 |	0.00353 (15101824)	0.00328 (15101824)	0.00304 (15101824)	0.00272 (15101824)	0.00245 (15101824)
3753223.1 |	0.00354 (15101824)	0.00321 (15101824)	0.00293 (15101824)	0.00265 (15101824)	0.00254 (15101824)
3753173.1 |	0.00340 (15101824)	0.00304 (15101824)	0.00276 (15101824)	0.00256 (15101824)	0.00243 (15101824)
3753123.1 |	0.00340 (16071324)	0.00301 (16071324)	0.00259 (16071324)	0.00243m(16070324)	0.00231m(16070324)
3753073.1 |	0.00354 (16071324)	0.00317 (16071324)	0.00283 (16071324)	0.00262 (16071324)	0.00243 (16071324)
3753023.1 |	0.00347 (16071324)	0.00322 (16071324)	0.00305 (16071324)	0.00277 (16071324)	0.00251 (16071324)
3752973.1 |	0.00325 (16071324)	0.00309 (16071324)	0.00290 (16071324)	0.00267 (16071324)	0.00247 (16071324)
3752923.1 |	0.00280 (16121224)	0.00267 (16071324)	0.00256 (16071324)	0.00238 (16071324)	0.00226 (16071324)
3752873.1 |	0.00271 (16121224)	0.00247 (16121224)	0.00236 (16121224)	0.00223 (16121224)	0.00209 (16121224)
3752823.1 |	0.00233 (16121224)	0.00228 (16121224)	0.00221 (16121224)	0.00212 (16121224)	0.00201 (16121224)
3752773.1 |	0.00213b(16120624)	0.00199 (16121224)	0.00198 (16121224)	0.00194 (16121224)	0.00189 (16121224)
3752723.1 |	0.00197b(16120624)	0.00183b(16120624)	0.00168b(16120624)	0.00170 (16121224)	0.00170 (16121224)
3752673.1 |	0.00187 (16092224)	0.00180 (16092224)	0.00168 (16092224)	0.00144 (15051224)	0.00145 (16121224)
3752623.1 |	0.00168 (16092224)	0.00162 (16092224)	0.00156 (16092224)	0.00144 (16092224)	0.00137 (15051224)
3752573.1 |	0.00146 (16092224)	0.00136b(16120624)	0.00128b(16120624)	0.00122 (16092224)	0.00119 (15051224)
3752523.1 |	0.00129 (16092224)	0.00127 (16092224)	0.00124 (16092224)	0.00116 (15051224)	0.00111 (15051224)
3752473.1 |	0.00111 (16092224)	0.00112 (15100424)	0.00114 (15100424)	0.00110 (15100424)	0.00109 (15051224)
3752423.1 |	0.00095 (16092224)	0.00101 (15100424)	0.00108 (15100424)	0.00108 (15100424)	0.00103 (15100424)
3752373.1 |	0.00087 (15051724)	0.00094 (15100424)	0.00099 (15100424)	0.00101 (15100424)	0.00101 (15100424)
3752323.1 |	0.00076 (15051724)	0.00079b(16120624)	0.00085 (15100424)	0.00089 (15100424)	0.00093 (15100424)
3752273.1 |	0.00056 (16030424)	0.00064 (15051724)	0.00072b(16120624)	0.00076 (15100424)	0.00083 (15100424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
471760.95	3752929.03	0.00522b (16120624)	471633.36	3752929.03	0.00645b (16120624)

471511.91 3752927.81 0.00695b (16120624) 471378.18 3752924.12 0.01067 (15022224)
471275.13 3752927.81 0.00840 (16011924) 471448.11 3752870.15 0.00542 (15022224)
471385.54 3752872.60 0.00756 (15022224) 471324.20 3752870.15 0.00524m (15020724)
471277.58 3752876.28 0.00513 (16011924) 471162.26 3752926.58 0.00587 (16011924)
471026.09 3752922.90 0.00534 (14020624) 471233.42 3752873.83 0.00503 (16011924)
471104.60 3752868.92 0.00445 (14080324) 471000.32 3752872.60 0.00422 (14020624)
470962.29 3752909.40 0.00490 (14020624) 470866.60 3752908.18 0.00455m (16123124)
470788.09 3752908.18 0.00441m (16123124)

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 3 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.02157 AT (471124.27, 3753173.10, 491.00, 491.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.02096 AT (471174.27, 3753173.10, 489.80, 489.80, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.02062 AT (471074.27, 3753173.10, 492.60, 492.60, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.01681 AT (471224.27, 3753173.10, 488.80, 488.80, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.01581 AT (471024.27, 3753173.10, 494.40, 494.40, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.01224 AT (471374.27, 3753073.10, 490.70, 490.70, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.01082 AT (471174.27, 3753223.10, 488.10, 488.10, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.01044 AT (471524.27, 3753223.10, 487.20, 487.20, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.01044 AT (471524.27, 3753273.10, 487.20, 487.20, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.01040 AT (471124.27, 3753223.10, 488.60, 493.00, 0.00)	GC	UCART1

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

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

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

- - - -

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


********   WARNING MESSAGES   ********
ME W186     698      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     698      MEOPEN: ADJ_U* Option for Low Winds used in AERMET

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

Results Summary

C:\AERMOD\9309\PM10\PM10.isc

PM10 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLA (m)
1-HR	1ST	0.11530		471024.27	3753173.10	494.40	0.00
24-HR	1ST	0.04433		471074.27	3753173.10	492.60	0.00
ANNUAL		0.02157		471124.27	3753173.10	491.00	0.00

AERMOD Data – Particulate Matter $PM_{2.5}$

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.5.0
** Lakes Environmental Software Inc.
** Date: 11/25/2019
** File: C:\AERMOD\9309\AERMOD - High-Cube Warehouse - Fall 2019 Submittal\PM25\PM2.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\AERMOD\9309\PM2\PM2.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 24 ANNUAL
   POLLUTID PM_2.5
   RUNORNOT RUN
   ERRORFIL PM2.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 Building A Truck Route
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 0.00007
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 13
** 471385.355, 3752971.460, 488.48, 3.63, 3.93
** 471387.127, 3753097.286, 490.16, 3.63, 3.93
** 471528.016, 3753100.830, 487.05, 3.63, 3.93
** 471560.802, 3753115.008, 487.00, 3.63, 3.93
** 471551.055, 3753419.825, 482.91, 3.63, 3.93
```

** 471516.497, 3753438.433, 481.11, 3.63, 3.93

** 471406.621, 3753434.889, 485.13, 3.63, 3.93

** 471395.988, 3753416.281, 483.76, 3.63, 3.93

** 471396.874, 3753393.242, 483.54, 3.63, 3.93

** 471388.013, 3753367.546, 482.36, 3.63, 3.93

** 471379.152, 3753334.760, 483.62, 3.63, 3.93

** 471379.152, 3753093.742, 490.28, 3.63, 3.93

** 471380.038, 3752970.574, 488.59, 3.63, 3.93

** ----------

LOCATION L0001388 VOLUME 471385.414 3752975.680 488.37

LOCATION L0001389 VOLUME 471385.533 3752984.119 488.08

LOCATION L0001390 VOLUME 471385.652 3752992.558 488.18

LOCATION L0001391 VOLUME 471385.771 3753000.997 488.44

LOCATION L0001392 VOLUME 471385.890 3753009.437 488.69

LOCATION L0001393 VOLUME 471386.009 3753017.876 488.93

LOCATION L0001394 VOLUME 471386.127 3753026.315 489.07

LOCATION L0001395 VOLUME 471386.246 3753034.754 489.22

LOCATION L0001396 VOLUME 471386.365 3753043.193 489.38

LOCATION L0001397 VOLUME 471386.484 3753051.632 489.60

LOCATION L0001398 VOLUME 471386.603 3753060.072 489.88

LOCATION L0001399 VOLUME 471386.722 3753068.511 490.16

LOCATION L0001400 VOLUME 471386.841 3753076.950 490.42

LOCATION L0001401 VOLUME 471386.960 3753085.389 490.30

LOCATION L0001402 VOLUME 471387.078 3753093.828 490.18

LOCATION L0001403 VOLUME 471392.107 3753097.411 490.08

LOCATION L0001404 VOLUME 471400.545 3753097.624 489.97

LOCATION L0001405 VOLUME 471408.982 3753097.836 489.69

LOCATION L0001406 VOLUME 471417.419 3753098.048 489.40

LOCATION L0001407 VOLUME 471425.857 3753098.260 489.12

LOCATION L0001408 VOLUME 471434.294 3753098.473 488.84

LOCATION L0001409 VOLUME 471442.731 3753098.685 488.56

LOCATION L0001410 VOLUME 471451.169 3753098.897 488.28

LOCATION L0001411 VOLUME 471459.606 3753099.109 488.00

LOCATION L0001412 VOLUME 471468.043 3753099.322 487.93

LOCATION L0001413 VOLUME 471476.481 3753099.534 487.87

LOCATION L0001414 VOLUME 471484.918 3753099.746 487.81

LOCATION L0001415 VOLUME 471493.355 3753099.958 487.68

LOCATION L0001416 VOLUME 471501.793 3753100.171 487.46

LOCATION L0001417 VOLUME 471510.230 3753100.383 487.25

LOCATION L0001418 VOLUME 471518.667 3753100.595 487.02

LOCATION L0001419 VOLUME 471527.105 3753100.807 487.00

LOCATION L0001420 VOLUME 471534.926 3753103.818 487.00

LOCATION L0001421 VOLUME 471542.673 3753107.168 487.01

LOCATION L0001422 VOLUME 471550.419 3753110.518 487.13

LOCATION L0001423 VOLUME 471558.166 3753113.868 487.24

LOCATION L0001424 VOLUME 471560.624 3753120.573 487.46

LOCATION L0001425 VOLUME 471560.354 3753129.009 487.75

LOCATION L0001426 VOLUME 471560.085 3753137.445 488.00

LOCATION L0001427 VOLUME 471559.815 3753145.880 488.00

LOCATION L0001428 VOLUME 471559.545 3753154.316 488.00

LOCATION L0001429	VOLUME	471559.275	3753162.752	488.00
LOCATION L0001430	VOLUME	471559.006	3753171.187	488.00
LOCATION L0001431	VOLUME	471558.736	3753179.623	488.00
LOCATION L0001432	VOLUME	471558.466	3753188.059	488.00
LOCATION L0001433	VOLUME	471558.196	3753196.494	488.00
LOCATION L0001434	VOLUME	471557.927	3753204.930	488.00
LOCATION L0001435	VOLUME	471557.657	3753213.366	488.00
LOCATION L0001436	VOLUME	471557.387	3753221.802	488.00
LOCATION L0001437	VOLUME	471557.117	3753230.237	488.00
LOCATION L0001438	VOLUME	471556.848	3753238.673	488.00
LOCATION L0001439	VOLUME	471556.578	3753247.109	488.00
LOCATION L0001440	VOLUME	471556.308	3753255.544	488.00
LOCATION L0001441	VOLUME	471556.038	3753263.980	488.00
LOCATION L0001442	VOLUME	471555.769	3753272.416	488.00
LOCATION L0001443	VOLUME	471555.499	3753280.851	488.00
LOCATION L0001444	VOLUME	471555.229	3753289.287	487.91
LOCATION L0001445	VOLUME	471554.959	3753297.723	487.63
LOCATION L0001446	VOLUME	471554.690	3753306.158	487.35
LOCATION L0001447	VOLUME	471554.420	3753314.594	487.07
LOCATION L0001448	VOLUME	471554.150	3753323.030	486.79
LOCATION L0001449	VOLUME	471553.880	3753331.466	486.51
LOCATION L0001450	VOLUME	471553.611	3753339.901	486.22
LOCATION L0001451	VOLUME	471553.341	3753348.337	485.84
LOCATION L0001452	VOLUME	471553.071	3753356.773	485.06
LOCATION L0001453	VOLUME	471552.801	3753365.208	484.28
LOCATION L0001454	VOLUME	471552.532	3753373.644	483.48
LOCATION L0001455	VOLUME	471552.262	3753382.080	483.16
LOCATION L0001456	VOLUME	471551.992	3753390.515	483.12
LOCATION L0001457	VOLUME	471551.722	3753398.951	483.09
LOCATION L0001458	VOLUME	471551.453	3753407.387	483.04
LOCATION L0001459	VOLUME	471551.183	3753415.822	482.75
LOCATION L0001460	VOLUME	471547.150	3753421.928	482.37
LOCATION L0001461	VOLUME	471539.719	3753425.929	481.91
LOCATION L0001462	VOLUME	471532.288	3753429.931	481.52
LOCATION L0001463	VOLUME	471524.856	3753433.932	481.19
LOCATION L0001464	VOLUME	471517.425	3753437.934	481.36
LOCATION L0001465	VOLUME	471509.115	3753438.195	482.74
LOCATION L0001466	VOLUME	471500.679	3753437.923	484.15
LOCATION L0001467	VOLUME	471492.244	3753437.651	485.55
LOCATION L0001468	VOLUME	471483.808	3753437.379	486.39
LOCATION L0001469	VOLUME	471475.373	3753437.107	486.95
LOCATION L0001470	VOLUME	471466.937	3753436.835	487.51
LOCATION L0001471	VOLUME	471458.501	3753436.562	487.99
LOCATION L0001472	VOLUME	471450.066	3753436.290	487.97
LOCATION L0001473	VOLUME	471441.630	3753436.018	487.95
LOCATION L0001474	VOLUME	471433.195	3753435.746	487.94
LOCATION L0001475	VOLUME	471424.759	3753435.474	487.45
LOCATION L0001476	VOLUME	471416.323	3753435.202	486.60
LOCATION L0001477	VOLUME	471407.888	3753434.930	485.76
LOCATION L0001478	VOLUME	471403.062	3753428.661	485.05

LOCATION L0001479	VOLUME	471398.875	3753421.333	484.43
LOCATION L0001480	VOLUME	471396.089	3753413.662	483.91
LOCATION L0001481	VOLUME	471396.413	3753405.228	483.64
LOCATION L0001482	VOLUME	471396.738	3753396.794	483.42
LOCATION L0001483	VOLUME	471395.282	3753388.624	483.06
LOCATION L0001484	VOLUME	471392.530	3753380.645	482.63
LOCATION L0001485	VOLUME	471389.779	3753372.666	482.43
LOCATION L0001486	VOLUME	471387.224	3753364.626	482.51
LOCATION L0001487	VOLUME	471385.022	3753356.479	482.68
LOCATION L0001488	VOLUME	471382.820	3753348.331	482.94
LOCATION L0001489	VOLUME	471380.618	3753340.183	483.80
LOCATION L0001490	VOLUME	471379.152	3753331.938	484.78
LOCATION L0001491	VOLUME	471379.152	3753323.498	485.81
LOCATION L0001492	VOLUME	471379.152	3753315.058	486.71
LOCATION L0001493	VOLUME	471379.152	3753306.618	487.09
LOCATION L0001494	VOLUME	471379.152	3753298.178	487.48
LOCATION L0001495	VOLUME	471379.152	3753289.738	487.86
LOCATION L0001496	VOLUME	471379.152	3753281.298	488.00
LOCATION L0001497	VOLUME	471379.152	3753272.858	488.00
LOCATION L0001498	VOLUME	471379.152	3753264.418	488.00
LOCATION L0001499	VOLUME	471379.152	3753255.978	488.00
LOCATION L0001500	VOLUME	471379.152	3753247.538	488.00
LOCATION L0001501	VOLUME	471379.152	3753239.098	488.00
LOCATION L0001502	VOLUME	471379.152	3753230.658	488.00
LOCATION L0001503	VOLUME	471379.152	3753222.218	488.05
LOCATION L0001504	VOLUME	471379.152	3753213.778	488.14
LOCATION L0001505	VOLUME	471379.152	3753205.338	488.23
LOCATION L0001506	VOLUME	471379.152	3753196.898	488.32
LOCATION L0001507	VOLUME	471379.152	3753188.458	488.69
LOCATION L0001508	VOLUME	471379.152	3753180.018	489.07
LOCATION L0001509	VOLUME	471379.152	3753171.578	489.46
LOCATION L0001510	VOLUME	471379.152	3753163.138	489.68
LOCATION L0001511	VOLUME	471379.152	3753154.698	489.68
LOCATION L0001512	VOLUME	471379.152	3753146.258	489.68
LOCATION L0001513	VOLUME	471379.152	3753137.818	489.68
LOCATION L0001514	VOLUME	471379.152	3753129.378	489.76
LOCATION L0001515	VOLUME	471379.152	3753120.938	489.85
LOCATION L0001516	VOLUME	471379.152	3753112.498	489.94
LOCATION L0001517	VOLUME	471379.152	3753104.058	490.06
LOCATION L0001518	VOLUME	471379.152	3753095.618	490.25
LOCATION L0001519	VOLUME	471379.199	3753087.178	490.44
LOCATION L0001520	VOLUME	471379.260	3753078.738	490.63
LOCATION L0001521	VOLUME	471379.321	3753070.299	490.46
LOCATION L0001522	VOLUME	471379.382	3753061.859	490.18
LOCATION L0001523	VOLUME	471379.442	3753053.419	489.90
LOCATION L0001524	VOLUME	471379.503	3753044.979	489.65
LOCATION L0001525	VOLUME	471379.564	3753036.540	489.55
LOCATION L0001526	VOLUME	471379.624	3753028.100	489.46
LOCATION L0001527	VOLUME	471379.685	3753019.660	489.36
LOCATION L0001528	VOLUME	471379.746	3753011.220	489.08

```
  LOCATION L0001529     VOLUME   471379.807 3753002.780 488.71
  LOCATION L0001530     VOLUME   471379.867 3752994.341 488.34
  LOCATION L0001531     VOLUME   471379.928 3752985.901 488.02
  LOCATION L0001532     VOLUME   471379.989 3752977.461 488.31
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Building B Truck Route
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 0.00004
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 4
** 470989.307, 3753186.230, 495.87, 3.63, 3.93
** 471232.042, 3753190.040, 488.71, 3.63, 3.93
** 471231.497, 3753182.964, 488.75, 3.63, 3.93
** 470990.396, 3753179.155, 496.67, 3.63, 3.93
** ----------------------------------------------------------------
  LOCATION L0001533     VOLUME   470993.527 3753186.296 495.41
  LOCATION L0001534     VOLUME   471001.966 3753186.428 494.85
  LOCATION L0001535     VOLUME   471010.404 3753186.561 494.33
  LOCATION L0001536     VOLUME   471018.843 3753186.693 494.23
  LOCATION L0001537     VOLUME   471027.282 3753186.826 494.13
  LOCATION L0001538     VOLUME   471035.721 3753186.958 494.04
  LOCATION L0001539     VOLUME   471044.160 3753187.091 493.74
  LOCATION L0001540     VOLUME   471052.599 3753187.223 493.27
  LOCATION L0001541     VOLUME   471061.038 3753187.356 492.79
  LOCATION L0001542     VOLUME   471069.477 3753187.488 492.31
  LOCATION L0001543     VOLUME   471077.916 3753187.620 492.02
  LOCATION L0001544     VOLUME   471086.355 3753187.753 491.74
  LOCATION L0001545     VOLUME   471094.794 3753187.885 491.45
  LOCATION L0001546     VOLUME   471103.233 3753188.018 491.16
  LOCATION L0001547     VOLUME   471111.672 3753188.150 490.88
  LOCATION L0001548     VOLUME   471120.111 3753188.283 490.59
  LOCATION L0001549     VOLUME   471128.550 3753188.415 490.31
  LOCATION L0001550     VOLUME   471136.989 3753188.548 490.02
  LOCATION L0001551     VOLUME   471145.428 3753188.680 489.74
  LOCATION L0001552     VOLUME   471153.867 3753188.813 489.45
  LOCATION L0001553     VOLUME   471162.306 3753188.945 489.26
  LOCATION L0001554     VOLUME   471170.745 3753189.077 489.25
  LOCATION L0001555     VOLUME   471179.184 3753189.210 489.25
  LOCATION L0001556     VOLUME   471187.623 3753189.342 489.24
  LOCATION L0001557     VOLUME   471196.062 3753189.475 489.19
  LOCATION L0001558     VOLUME   471204.501 3753189.607 489.12
  LOCATION L0001559     VOLUME   471212.940 3753189.740 489.05
  LOCATION L0001560     VOLUME   471221.378 3753189.872 488.94
  LOCATION L0001561     VOLUME   471229.817 3753190.005 488.66
```

```
  LOCATION L0001562     VOLUME   471231.565 3753183.842 488.60
  LOCATION L0001563     VOLUME   471223.939 3753182.845 488.85
  LOCATION L0001564     VOLUME   471215.500 3753182.711 489.06
  LOCATION L0001565     VOLUME   471207.061 3753182.578 489.20
  LOCATION L0001566     VOLUME   471198.622 3753182.445 489.33
  LOCATION L0001567     VOLUME   471190.183 3753182.311 489.47
  LOCATION L0001568     VOLUME   471181.744 3753182.178 489.48
  LOCATION L0001569     VOLUME   471173.305 3753182.045 489.49
  LOCATION L0001570     VOLUME   471164.866 3753181.911 489.49
  LOCATION L0001571     VOLUME   471156.427 3753181.778 489.60
  LOCATION L0001572     VOLUME   471147.988 3753181.645 489.89
  LOCATION L0001573     VOLUME   471139.550 3753181.511 490.17
  LOCATION L0001574     VOLUME   471131.111 3753181.378 490.46
  LOCATION L0001575     VOLUME   471122.672 3753181.245 490.74
  LOCATION L0001576     VOLUME   471114.233 3753181.111 491.03
  LOCATION L0001577     VOLUME   471105.794 3753180.978 491.31
  LOCATION L0001578     VOLUME   471097.355 3753180.845 491.60
  LOCATION L0001579     VOLUME   471088.916 3753180.711 491.89
  LOCATION L0001580     VOLUME   471080.477 3753180.578 492.17
  LOCATION L0001581     VOLUME   471072.038 3753180.445 492.46
  LOCATION L0001582     VOLUME   471063.599 3753180.311 492.83
  LOCATION L0001583     VOLUME   471055.160 3753180.178 493.24
  LOCATION L0001584     VOLUME   471046.721 3753180.045 493.65
  LOCATION L0001585     VOLUME   471038.282 3753179.911 494.02
  LOCATION L0001586     VOLUME   471029.843 3753179.778 494.18
  LOCATION L0001587     VOLUME   471021.404 3753179.645 494.34
  LOCATION L0001588     VOLUME   471012.965 3753179.511 494.51
  LOCATION L0001589     VOLUME   471004.526 3753179.378 494.91
  LOCATION L0001590     VOLUME   470996.087 3753179.244 495.48
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Building A West Docks
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 8.0E-06
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 2
** 471402.365, 3753341.756, 483.32, 3.63, 3.93
** 471402.365, 3753167.544, 489.01, 3.63, 3.93
** ----------------------------------------------------------------
  LOCATION L0001591     VOLUME   471402.365 3753337.536 484.72
  LOCATION L0001592     VOLUME   471402.365 3753329.096 485.97
  LOCATION L0001593     VOLUME   471402.365 3753320.656 487.22
  LOCATION L0001594     VOLUME   471402.365 3753312.216 487.84
  LOCATION L0001595     VOLUME   471402.365 3753303.776 487.89
  LOCATION L0001596     VOLUME   471402.365 3753295.336 487.95
```

```
  LOCATION L0001597     VOLUME   471402.365 3753286.896 488.00
  LOCATION L0001598     VOLUME   471402.365 3753278.456 488.00
  LOCATION L0001599     VOLUME   471402.365 3753270.016 488.00
  LOCATION L0001600     VOLUME   471402.365 3753261.576 488.00
  LOCATION L0001601     VOLUME   471402.365 3753253.136 488.01
  LOCATION L0001602     VOLUME   471402.365 3753244.696 488.04
  LOCATION L0001603     VOLUME   471402.365 3753236.256 488.06
  LOCATION L0001604     VOLUME   471402.365 3753227.816 488.09
  LOCATION L0001605     VOLUME   471402.365 3753219.376 488.31
  LOCATION L0001606     VOLUME   471402.365 3753210.936 488.57
  LOCATION L0001607     VOLUME   471402.365 3753202.496 488.82
  LOCATION L0001608     VOLUME   471402.365 3753194.056 489.00
  LOCATION L0001609     VOLUME   471402.365 3753185.616 489.00
  LOCATION L0001610     VOLUME   471402.365 3753177.176 489.00
  LOCATION L0001611     VOLUME   471402.365 3753168.736 489.00
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Building A East Docks
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 0.000011
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 2
** 471534.725, 3753397.771, 482.28, 3.63, 3.93
** 471537.286, 3753169.162, 487.63, 3.63, 3.93
** ----------------------------------------------------------------
  LOCATION L0001612     VOLUME   471534.772 3753393.552 482.44
  LOCATION L0001613     VOLUME   471534.867 3753385.112 482.72
  LOCATION L0001614     VOLUME   471534.961 3753376.673 483.00
  LOCATION L0001615     VOLUME   471535.056 3753368.233 483.84
  LOCATION L0001616     VOLUME   471535.151 3753359.794 484.68
  LOCATION L0001617     VOLUME   471535.245 3753351.354 485.53
  LOCATION L0001618     VOLUME   471535.340 3753342.915 486.07
  LOCATION L0001619     VOLUME   471535.434 3753334.475 486.21
  LOCATION L0001620     VOLUME   471535.529 3753326.036 486.37
  LOCATION L0001621     VOLUME   471535.623 3753317.596 486.52
  LOCATION L0001622     VOLUME   471535.718 3753309.157 486.79
  LOCATION L0001623     VOLUME   471535.812 3753300.717 487.07
  LOCATION L0001624     VOLUME   471535.907 3753292.278 487.36
  LOCATION L0001625     VOLUME   471536.002 3753283.838 487.55
  LOCATION L0001626     VOLUME   471536.096 3753275.399 487.55
  LOCATION L0001627     VOLUME   471536.191 3753266.960 487.55
  LOCATION L0001628     VOLUME   471536.285 3753258.520 487.56
  LOCATION L0001629     VOLUME   471536.380 3753250.081 487.56
  LOCATION L0001630     VOLUME   471536.474 3753241.641 487.56
  LOCATION L0001631     VOLUME   471536.569 3753233.202 487.57
```

```
  LOCATION L0001632     VOLUME   471536.664 3753224.762 487.57
  LOCATION L0001633     VOLUME   471536.758 3753216.323 487.57
  LOCATION L0001634     VOLUME   471536.853 3753207.883 487.58
  LOCATION L0001635     VOLUME   471536.947 3753199.444 487.58
  LOCATION L0001636     VOLUME   471537.042 3753191.004 487.58
  LOCATION L0001637     VOLUME   471537.136 3753182.565 487.59
  LOCATION L0001638     VOLUME   471537.231 3753174.125 487.59
** End of LINE VOLUME Source ID = SLINE4
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Building B Docks
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 7.0E-06
** Vertical Dimension = 7.26
** SZINIT = 3.38
** Nodes = 2
** 471064.720, 3753208.269, 492.28, 3.63, 3.93
** 471227.536, 3753209.449, 488.78, 3.63, 3.93
** ----------------------------------------------------------------
  LOCATION L0001639     VOLUME   471068.940 3753208.299 491.64
  LOCATION L0001640     VOLUME   471077.380 3753208.361 491.35
  LOCATION L0001641     VOLUME   471085.820 3753208.422 491.06
  LOCATION L0001642     VOLUME   471094.259 3753208.483 490.78
  LOCATION L0001643     VOLUME   471102.699 3753208.544 490.46
  LOCATION L0001644     VOLUME   471111.139 3753208.605 490.06
  LOCATION L0001645     VOLUME   471119.579 3753208.666 489.66
  LOCATION L0001646     VOLUME   471128.019 3753208.727 489.27
  LOCATION L0001647     VOLUME   471136.458 3753208.789 489.05
  LOCATION L0001648     VOLUME   471144.898 3753208.850 488.88
  LOCATION L0001649     VOLUME   471153.338 3753208.911 488.71
  LOCATION L0001650     VOLUME   471161.778 3753208.972 488.59
  LOCATION L0001651     VOLUME   471170.217 3753209.033 488.59
  LOCATION L0001652     VOLUME   471178.657 3753209.094 488.58
  LOCATION L0001653     VOLUME   471187.097 3753209.156 488.58
  LOCATION L0001654     VOLUME   471195.537 3753209.217 488.58
  LOCATION L0001655     VOLUME   471203.977 3753209.278 488.58
  LOCATION L0001656     VOLUME   471212.416 3753209.339 488.58
  LOCATION L0001657     VOLUME   471220.856 3753209.400 488.55
** End of LINE VOLUME Source ID = SLINE5
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
  SRCPARAM L0001388     0.0000004828     3.63     3.93     3.38
  SRCPARAM L0001389     0.0000004828     3.63     3.93     3.38
  SRCPARAM L0001390     0.0000004828     3.63     3.93     3.38
  SRCPARAM L0001391     0.0000004828     3.63     3.93     3.38
  SRCPARAM L0001392     0.0000004828     3.63     3.93     3.38
  SRCPARAM L0001393     0.0000004828     3.63     3.93     3.38
```

SRCPARAM L0001394	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001395	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001396	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001397	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001398	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001399	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001400	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001401	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001402	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001403	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001404	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001405	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001406	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001407	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001408	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001409	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001410	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001411	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001412	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001413	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001414	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001415	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001416	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001417	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001418	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001419	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001420	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001421	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001422	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001423	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001424	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001425	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001426	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001427	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001428	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001429	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001430	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001431	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001432	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001433	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001434	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001435	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001436	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001437	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001438	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001439	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001440	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001441	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001442	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001443	0.0000004828	3.63	3.93	3.38

SRCPARAM L0001444	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001445	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001446	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001447	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001448	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001449	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001450	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001451	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001452	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001453	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001454	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001455	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001456	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001457	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001458	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001459	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001460	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001461	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001462	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001463	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001464	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001465	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001466	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001467	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001468	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001469	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001470	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001471	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001472	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001473	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001474	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001475	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001476	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001477	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001478	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001479	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001480	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001481	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001482	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001483	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001484	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001485	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001486	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001487	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001488	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001489	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001490	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001491	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001492	0.0000004828	3.63	3.93	3.38
SRCPARAM L0001493	0.0000004828	3.63	3.93	3.38

```
SRCPARAM L0001494  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001495  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001496  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001497  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001498  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001499  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001500  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001501  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001502  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001503  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001504  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001505  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001506  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001507  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001508  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001509  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001510  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001511  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001512  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001513  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001514  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001515  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001516  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001517  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001518  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001519  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001520  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001521  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001522  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001523  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001524  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001525  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001526  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001527  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001528  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001529  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001530  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001531  0.0000004828  3.63  3.93  3.38
SRCPARAM L0001532  0.0000004828  3.63  3.93  3.38
** ------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
SRCPARAM L0001533  0.0000006897  3.63  3.93  3.38
SRCPARAM L0001534  0.0000006897  3.63  3.93  3.38
SRCPARAM L0001535  0.0000006897  3.63  3.93  3.38
SRCPARAM L0001536  0.0000006897  3.63  3.93  3.38
SRCPARAM L0001537  0.0000006897  3.63  3.93  3.38
SRCPARAM L0001538  0.0000006897  3.63  3.93  3.38
SRCPARAM L0001539  0.0000006897  3.63  3.93  3.38
SRCPARAM L0001540  0.0000006897  3.63  3.93  3.38
SRCPARAM L0001541  0.0000006897  3.63  3.93  3.38
```

SRCPARAM L0001542	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001543	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001544	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001545	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001546	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001547	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001548	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001549	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001550	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001551	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001552	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001553	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001554	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001555	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001556	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001557	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001558	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001559	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001560	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001561	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001562	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001563	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001564	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001565	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001566	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001567	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001568	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001569	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001570	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001571	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001572	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001573	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001574	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001575	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001576	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001577	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001578	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001579	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001580	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001581	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001582	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001583	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001584	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001585	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001586	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001587	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001588	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001589	0.0000006897	3.63	3.93	3.38
SRCPARAM L0001590	0.0000006897	3.63	3.93	3.38

** ----------

```
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0001591    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001592    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001593    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001594    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001595    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001596    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001597    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001598    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001599    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001600    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001601    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001602    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001603    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001604    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001605    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001606    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001607    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001608    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001609    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001610    0.000000381    3.63    3.93    3.38
   SRCPARAM L0001611    0.000000381    3.63    3.93    3.38
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0001612    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001613    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001614    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001615    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001616    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001617    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001618    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001619    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001620    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001621    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001622    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001623    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001624    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001625    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001626    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001627    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001628    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001629    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001630    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001631    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001632    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001633    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001634    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001635    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001636    0.0000004074    3.63    3.93    3.38
   SRCPARAM L0001637    0.0000004074    3.63    3.93    3.38
```

```
   SRCPARAM L0001638    0.0000004074    3.63    3.93    3.38
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0001639    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001640    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001641    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001642    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001643    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001644    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001645    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001646    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001647    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001648    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001649    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001650    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001651    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001652    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001653    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001654    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001655    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001656    0.0000003684    3.63    3.93    3.38
   SRCPARAM L0001657    0.0000003684    3.63    3.93    3.38
** ----------------------------------------------------------------
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED PM2.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE N:\AIR_GHG_NOISE_Technical\001_AIR\Meterological\RiversideAirportADJU\KRAL_V9_ADJU\KRAL_v9.SFC
   PROFFILE N:\AIR_GHG_NOISE_Technical\001_AIR\Meterological\RiversideAirportADJU\KRAL_V9_ADJU\KRAL_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   PROFBASE 249.0 METERS
   STARTEND 2014 1 1 1 2016 12 31 24
ME FINISHED
**
****************************************
```

```
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
  RECTABLE 24 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST PM2.AD\01H1GALL.PLT 31
  PLOTFILE 24 ALL 1ST PM2.AD\24H1GALL.PLT 32
  PLOTFILE ANNUAL ALL PM2.AD\AN00GALL.PLT 33
  SUMMFILE PM2.sum
OU FINISHED


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

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

A Total of         0 Fatal Error Message(s)
A Total of         2 Warning Message(s)
A Total of         0 Informational Message(s)


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


  ********   WARNING MESSAGES   ********
ME W186     698      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     698      MEOPEN: ADJ_U* Option for Low Winds used in AERMET

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

*** AERMOD - VERSION 16216r ***   *** C:\AERMOD\9309\PM2\PM2.isc                          ***       11/25/19
*** AERMET - VERSION  16216 ***   ***                                                 ***       14:10:19
                                                                                    PAGE   1
*** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

**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:

ADJ_U* - Use ADJ_U* BETA option for SBL in AERMET

CCVR_Sub - Meteorological data includes CCVR substitutions

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

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

**Model Calculates 2 Short Term Average(s) of: 1-HR 24-HR
and Calculates ANNUAL Averages

**This Run Includes: 270 Source(s); 1 Source Group(s); and 1617 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 270 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)

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

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 249.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0

Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07

Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.8 MB of RAM.

**Detailed Error/Message File: PM2.err

**File for Summary of Results: PM2.sum

*** AERMOD - VERSION 16216r *** *** C:\AERMOD\9309\PM2\PM2.isc *** 11/25/19

*** AERMET - VERSION 16216 *** *** *** 14:10:19

PAGE 2

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001388	0	0.48280E-06	471385.4	3752975.7	488.4	3.63	3.93	3.38	NO	
L0001389	0	0.48280E-06	471385.5	3752984.1	488.1	3.63	3.93	3.38	NO	
L0001390	0	0.48280E-06	471385.7	3752992.6	488.2	3.63	3.93	3.38	NO	
L0001391	0	0.48280E-06	471385.8	3753001.0	488.4	3.63	3.93	3.38	NO	
L0001392	0	0.48280E-06	471385.9	3753009.4	488.7	3.63	3.93	3.38	NO	
L0001393	0	0.48280E-06	471386.0	3753017.9	488.9	3.63	3.93	3.38	NO	
L0001394	0	0.48280E-06	471386.1	3753026.3	489.1	3.63	3.93	3.38	NO	
L0001395	0	0.48280E-06	471386.2	3753034.8	489.2	3.63	3.93	3.38	NO	
L0001396	0	0.48280E-06	471386.4	3753043.2	489.4	3.63	3.93	3.38	NO	
L0001397	0	0.48280E-06	471386.5	3753051.6	489.6	3.63	3.93	3.38	NO	
L0001398	0	0.48280E-06	471386.6	3753060.1	489.9	3.63	3.93	3.38	NO	
L0001399	0	0.48280E-06	471386.7	3753068.5	490.2	3.63	3.93	3.38	NO	
L0001400	0	0.48280E-06	471386.8	3753076.9	490.4	3.63	3.93	3.38	NO	
L0001401	0	0.48280E-06	471387.0	3753085.4	490.3	3.63	3.93	3.38	NO	
L0001402	0	0.48280E-06	471387.1	3753093.8	490.2	3.63	3.93	3.38	NO	
L0001403	0	0.48280E-06	471392.1	3753097.4	490.1	3.63	3.93	3.38	NO	
L0001404	0	0.48280E-06	471400.5	3753097.6	490.0	3.63	3.93	3.38	NO	
L0001405	0	0.48280E-06	471409.0	3753097.8	489.7	3.63	3.93	3.38	NO	
L0001406	0	0.48280E-06	471417.4	3753098.0	489.4	3.63	3.93	3.38	NO	
L0001407	0	0.48280E-06	471425.9	3753098.3	489.1	3.63	3.93	3.38	NO	
L0001408	0	0.48280E-06	471434.3	3753098.5	488.8	3.63	3.93	3.38	NO	
L0001409	0	0.48280E-06	471442.7	3753098.7	488.6	3.63	3.93	3.38	NO	
L0001410	0	0.48280E-06	471451.2	3753098.9	488.3	3.63	3.93	3.38	NO	
L0001411	0	0.48280E-06	471459.6	3753099.1	488.0	3.63	3.93	3.38	NO	
L0001412	0	0.48280E-06	471468.0	3753099.3	487.9	3.63	3.93	3.38	NO	
L0001413	0	0.48280E-06	471476.5	3753099.5	487.9	3.63	3.93	3.38	NO	
L0001414	0	0.48280E-06	471484.9	3753099.7	487.8	3.63	3.93	3.38	NO	
L0001415	0	0.48280E-06	471493.4	3753100.0	487.7	3.63	3.93	3.38	NO	
L0001416	0	0.48280E-06	471501.8	3753100.2	487.5	3.63	3.93	3.38	NO	
L0001417	0	0.48280E-06	471510.2	3753100.4	487.2	3.63	3.93	3.38	NO	

L0001418	0	0.48280E-06	471518.7	3753100.6	487.0	3.63	3.93	3.38	NO
L0001419	0	0.48280E-06	471527.1	3753100.8	487.0	3.63	3.93	3.38	NO
L0001420	0	0.48280E-06	471534.9	3753103.8	487.0	3.63	3.93	3.38	NO
L0001421	0	0.48280E-06	471542.7	3753107.2	487.0	3.63	3.93	3.38	NO
L0001422	0	0.48280E-06	471550.4	3753110.5	487.1	3.63	3.93	3.38	NO
L0001423	0	0.48280E-06	471558.2	3753113.9	487.2	3.63	3.93	3.38	NO
L0001424	0	0.48280E-06	471560.6	3753120.6	487.5	3.63	3.93	3.38	NO
L0001425	0	0.48280E-06	471560.4	3753129.0	487.8	3.63	3.93	3.38	NO
L0001426	0	0.48280E-06	471560.1	3753137.4	488.0	3.63	3.93	3.38	NO
L0001427	0	0.48280E-06	471559.8	3753145.9	488.0	3.63	3.93	3.38	NO

*** 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
L0001428	0	0.48280E-06	471559.5	3753154.3	488.0	3.63	3.93	3.38	NO	
L0001429	0	0.48280E-06	471559.3	3753162.8	488.0	3.63	3.93	3.38	NO	
L0001430	0	0.48280E-06	471559.0	3753171.2	488.0	3.63	3.93	3.38	NO	
L0001431	0	0.48280E-06	471558.7	3753179.6	488.0	3.63	3.93	3.38	NO	
L0001432	0	0.48280E-06	471558.5	3753188.1	488.0	3.63	3.93	3.38	NO	
L0001433	0	0.48280E-06	471558.2	3753196.5	488.0	3.63	3.93	3.38	NO	
L0001434	0	0.48280E-06	471557.9	3753204.9	488.0	3.63	3.93	3.38	NO	
L0001435	0	0.48280E-06	471557.7	3753213.4	488.0	3.63	3.93	3.38	NO	
L0001436	0	0.48280E-06	471557.4	3753221.8	488.0	3.63	3.93	3.38	NO	
L0001437	0	0.48280E-06	471557.1	3753230.2	488.0	3.63	3.93	3.38	NO	
L0001438	0	0.48280E-06	471556.8	3753238.7	488.0	3.63	3.93	3.38	NO	
L0001439	0	0.48280E-06	471556.6	3753247.1	488.0	3.63	3.93	3.38	NO	
L0001440	0	0.48280E-06	471556.3	3753255.5	488.0	3.63	3.93	3.38	NO	
L0001441	0	0.48280E-06	471556.0	3753264.0	488.0	3.63	3.93	3.38	NO	
L0001442	0	0.48280E-06	471555.8	3753272.4	488.0	3.63	3.93	3.38	NO	
L0001443	0	0.48280E-06	471555.5	3753280.9	488.0	3.63	3.93	3.38	NO	
L0001444	0	0.48280E-06	471555.2	3753289.3	487.9	3.63	3.93	3.38	NO	
L0001445	0	0.48280E-06	471555.0	3753297.7	487.6	3.63	3.93	3.38	NO	
L0001446	0	0.48280E-06	471554.7	3753306.2	487.4	3.63	3.93	3.38	NO	
L0001447	0	0.48280E-06	471554.4	3753314.6	487.1	3.63	3.93	3.38	NO	
L0001448	0	0.48280E-06	471554.1	3753323.0	486.8	3.63	3.93	3.38	NO	
L0001449	0	0.48280E-06	471553.9	3753331.5	486.5	3.63	3.93	3.38	NO	
L0001450	0	0.48280E-06	471553.6	3753339.9	486.2	3.63	3.93	3.38	NO	
L0001451	0	0.48280E-06	471553.3	3753348.3	485.8	3.63	3.93	3.38	NO	
L0001452	0	0.48280E-06	471553.1	3753356.8	485.1	3.63	3.93	3.38	NO	
L0001453	0	0.48280E-06	471552.8	3753365.2	484.3	3.63	3.93	3.38	NO	
L0001454	0	0.48280E-06	471552.5	3753373.6	483.5	3.63	3.93	3.38	NO	

L0001455	0	0.48280E-06	471552.3	3753382.1	483.2	3.63	3.93	3.38	NO
L0001456	0	0.48280E-06	471552.0	3753390.5	483.1	3.63	3.93	3.38	NO
L0001457	0	0.48280E-06	471551.7	3753399.0	483.1	3.63	3.93	3.38	NO
L0001458	0	0.48280E-06	471551.5	3753407.4	483.0	3.63	3.93	3.38	NO
L0001459	0	0.48280E-06	471551.2	3753415.8	482.8	3.63	3.93	3.38	NO
L0001460	0	0.48280E-06	471547.1	3753421.9	482.4	3.63	3.93	3.38	NO
L0001461	0	0.48280E-06	471539.7	3753425.9	481.9	3.63	3.93	3.38	NO
L0001462	0	0.48280E-06	471532.3	3753429.9	481.5	3.63	3.93	3.38	NO
L0001463	0	0.48280E-06	471524.9	3753433.9	481.2	3.63	3.93	3.38	NO
L0001464	0	0.48280E-06	471517.4	3753437.9	481.4	3.63	3.93	3.38	NO
L0001465	0	0.48280E-06	471509.1	3753438.2	482.7	3.63	3.93	3.38	NO
L0001466	0	0.48280E-06	471500.7	3753437.9	484.2	3.63	3.93	3.38	NO
L0001467	0	0.48280E-06	471492.2	3753437.7	485.6	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001468	0	0.48280E-06	471483.8	3753437.4	486.4	3.63	3.93	3.38	NO	
L0001469	0	0.48280E-06	471475.4	3753437.1	486.9	3.63	3.93	3.38	NO	
L0001470	0	0.48280E-06	471466.9	3753436.8	487.5	3.63	3.93	3.38	NO	
L0001471	0	0.48280E-06	471458.5	3753436.6	488.0	3.63	3.93	3.38	NO	
L0001472	0	0.48280E-06	471450.1	3753436.3	488.0	3.63	3.93	3.38	NO	
L0001473	0	0.48280E-06	471441.6	3753436.0	487.9	3.63	3.93	3.38	NO	
L0001474	0	0.48280E-06	471433.2	3753435.7	487.9	3.63	3.93	3.38	NO	
L0001475	0	0.48280E-06	471424.8	3753435.5	487.4	3.63	3.93	3.38	NO	
L0001476	0	0.48280E-06	471416.3	3753435.2	486.6	3.63	3.93	3.38	NO	
L0001477	0	0.48280E-06	471407.9	3753434.9	485.8	3.63	3.93	3.38	NO	
L0001478	0	0.48280E-06	471403.1	3753428.7	485.1	3.63	3.93	3.38	NO	
L0001479	0	0.48280E-06	471398.9	3753421.3	484.4	3.63	3.93	3.38	NO	
L0001480	0	0.48280E-06	471396.1	3753413.7	483.9	3.63	3.93	3.38	NO	
L0001481	0	0.48280E-06	471396.4	3753405.2	483.6	3.63	3.93	3.38	NO	
L0001482	0	0.48280E-06	471396.7	3753396.8	483.4	3.63	3.93	3.38	NO	
L0001483	0	0.48280E-06	471395.3	3753388.6	483.1	3.63	3.93	3.38	NO	
L0001484	0	0.48280E-06	471392.5	3753380.6	482.6	3.63	3.93	3.38	NO	
L0001485	0	0.48280E-06	471389.8	3753372.7	482.4	3.63	3.93	3.38	NO	
L0001486	0	0.48280E-06	471387.2	3753364.6	482.5	3.63	3.93	3.38	NO	
L0001487	0	0.48280E-06	471385.0	3753356.5	482.7	3.63	3.93	3.38	NO	
L0001488	0	0.48280E-06	471382.8	3753348.3	482.9	3.63	3.93	3.38	NO	
L0001489	0	0.48280E-06	471380.6	3753340.2	483.8	3.63	3.93	3.38	NO	
L0001490	0	0.48280E-06	471379.2	3753331.9	484.8	3.63	3.93	3.38	NO	
L0001491	0	0.48280E-06	471379.2	3753323.5	485.8	3.63	3.93	3.38	NO	

L0001492	0	0.48280E-06	471379.2	3753315.1	486.7	3.63	3.93	3.38	NO
L0001493	0	0.48280E-06	471379.2	3753306.6	487.1	3.63	3.93	3.38	NO
L0001494	0	0.48280E-06	471379.2	3753298.2	487.5	3.63	3.93	3.38	NO
L0001495	0	0.48280E-06	471379.2	3753289.7	487.9	3.63	3.93	3.38	NO
L0001496	0	0.48280E-06	471379.2	3753281.3	488.0	3.63	3.93	3.38	NO
L0001497	0	0.48280E-06	471379.2	3753272.9	488.0	3.63	3.93	3.38	NO
L0001498	0	0.48280E-06	471379.2	3753264.4	488.0	3.63	3.93	3.38	NO
L0001499	0	0.48280E-06	471379.2	3753256.0	488.0	3.63	3.93	3.38	NO
L0001500	0	0.48280E-06	471379.2	3753247.5	488.0	3.63	3.93	3.38	NO
L0001501	0	0.48280E-06	471379.2	3753239.1	488.0	3.63	3.93	3.38	NO
L0001502	0	0.48280E-06	471379.2	3753230.7	488.0	3.63	3.93	3.38	NO
L0001503	0	0.48280E-06	471379.2	3753222.2	488.1	3.63	3.93	3.38	NO
L0001504	0	0.48280E-06	471379.2	3753213.8	488.1	3.63	3.93	3.38	NO
L0001505	0	0.48280E-06	471379.2	3753205.3	488.2	3.63	3.93	3.38	NO
L0001506	0	0.48280E-06	471379.2	3753196.9	488.3	3.63	3.93	3.38	NO
L0001507	0	0.48280E-06	471379.2	3753188.5	488.7	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001508	0	0.48280E-06	471379.2	3753180.0	489.1	3.63	3.93	3.38	NO	
L0001509	0	0.48280E-06	471379.2	3753171.6	489.5	3.63	3.93	3.38	NO	
L0001510	0	0.48280E-06	471379.2	3753163.1	489.7	3.63	3.93	3.38	NO	
L0001511	0	0.48280E-06	471379.2	3753154.7	489.7	3.63	3.93	3.38	NO	
L0001512	0	0.48280E-06	471379.2	3753146.3	489.7	3.63	3.93	3.38	NO	
L0001513	0	0.48280E-06	471379.2	3753137.8	489.7	3.63	3.93	3.38	NO	
L0001514	0	0.48280E-06	471379.2	3753129.4	489.8	3.63	3.93	3.38	NO	
L0001515	0	0.48280E-06	471379.2	3753120.9	489.9	3.63	3.93	3.38	NO	
L0001516	0	0.48280E-06	471379.2	3753112.5	489.9	3.63	3.93	3.38	NO	
L0001517	0	0.48280E-06	471379.2	3753104.1	490.1	3.63	3.93	3.38	NO	
L0001518	0	0.48280E-06	471379.2	3753095.6	490.2	3.63	3.93	3.38	NO	
L0001519	0	0.48280E-06	471379.2	3753087.2	490.4	3.63	3.93	3.38	NO	
L0001520	0	0.48280E-06	471379.3	3753078.7	490.6	3.63	3.93	3.38	NO	
L0001521	0	0.48280E-06	471379.3	3753070.3	490.5	3.63	3.93	3.38	NO	
L0001522	0	0.48280E-06	471379.4	3753061.9	490.2	3.63	3.93	3.38	NO	
L0001523	0	0.48280E-06	471379.4	3753053.4	489.9	3.63	3.93	3.38	NO	
L0001524	0	0.48280E-06	471379.5	3753045.0	489.7	3.63	3.93	3.38	NO	
L0001525	0	0.48280E-06	471379.6	3753036.5	489.6	3.63	3.93	3.38	NO	
L0001526	0	0.48280E-06	471379.6	3753028.1	489.5	3.63	3.93	3.38	NO	
L0001527	0	0.48280E-06	471379.7	3753019.7	489.4	3.63	3.93	3.38	NO	
L0001528	0	0.48280E-06	471379.7	3753011.2	489.1	3.63	3.93	3.38	NO	

L0001529	0	0.48280E-06	471379.8	3753002.8	488.7	3.63	3.93	3.38	NO
L0001530	0	0.48280E-06	471379.9	3752994.3	488.3	3.63	3.93	3.38	NO
L0001531	0	0.48280E-06	471379.9	3752985.9	488.0	3.63	3.93	3.38	NO
L0001532	0	0.48280E-06	471380.0	3752977.5	488.3	3.63	3.93	3.38	NO
L0001533	0	0.68970E-06	470993.5	3753186.3	495.4	3.63	3.93	3.38	NO
L0001534	0	0.68970E-06	471002.0	3753186.4	494.9	3.63	3.93	3.38	NO
L0001535	0	0.68970E-06	471010.4	3753186.6	494.3	3.63	3.93	3.38	NO
L0001536	0	0.68970E-06	471018.8	3753186.7	494.2	3.63	3.93	3.38	NO
L0001537	0	0.68970E-06	471027.3	3753186.8	494.1	3.63	3.93	3.38	NO
L0001538	0	0.68970E-06	471035.7	3753187.0	494.0	3.63	3.93	3.38	NO
L0001539	0	0.68970E-06	471044.2	3753187.1	493.7	3.63	3.93	3.38	NO
L0001540	0	0.68970E-06	471052.6	3753187.2	493.3	3.63	3.93	3.38	NO
L0001541	0	0.68970E-06	471061.0	3753187.4	492.8	3.63	3.93	3.38	NO
L0001542	0	0.68970E-06	471069.5	3753187.5	492.3	3.63	3.93	3.38	NO
L0001543	0	0.68970E-06	471077.9	3753187.6	492.0	3.63	3.93	3.38	NO
L0001544	0	0.68970E-06	471086.4	3753187.8	491.7	3.63	3.93	3.38	NO
L0001545	0	0.68970E-06	471094.8	3753187.9	491.4	3.63	3.93	3.38	NO
L0001546	0	0.68970E-06	471103.2	3753188.0	491.2	3.63	3.93	3.38	NO
L0001547	0	0.68970E-06	471111.7	3753188.1	490.9	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001548	0	0.68970E-06	471120.1	3753188.3	490.6	3.63	3.93	3.38	NO	
L0001549	0	0.68970E-06	471128.5	3753188.4	490.3	3.63	3.93	3.38	NO	
L0001550	0	0.68970E-06	471137.0	3753188.5	490.0	3.63	3.93	3.38	NO	
L0001551	0	0.68970E-06	471145.4	3753188.7	489.7	3.63	3.93	3.38	NO	
L0001552	0	0.68970E-06	471153.9	3753188.8	489.4	3.63	3.93	3.38	NO	
L0001553	0	0.68970E-06	471162.3	3753188.9	489.3	3.63	3.93	3.38	NO	
L0001554	0	0.68970E-06	471170.7	3753189.1	489.2	3.63	3.93	3.38	NO	
L0001555	0	0.68970E-06	471179.2	3753189.2	489.2	3.63	3.93	3.38	NO	
L0001556	0	0.68970E-06	471187.6	3753189.3	489.2	3.63	3.93	3.38	NO	
L0001557	0	0.68970E-06	471196.1	3753189.5	489.2	3.63	3.93	3.38	NO	
L0001558	0	0.68970E-06	471204.5	3753189.6	489.1	3.63	3.93	3.38	NO	
L0001559	0	0.68970E-06	471212.9	3753189.7	489.1	3.63	3.93	3.38	NO	
L0001560	0	0.68970E-06	471221.4	3753189.9	488.9	3.63	3.93	3.38	NO	
L0001561	0	0.68970E-06	471229.8	3753190.0	488.7	3.63	3.93	3.38	NO	
L0001562	0	0.68970E-06	471231.6	3753183.8	488.6	3.63	3.93	3.38	NO	
L0001563	0	0.68970E-06	471223.9	3753182.8	488.9	3.63	3.93	3.38	NO	
L0001564	0	0.68970E-06	471215.5	3753182.7	489.1	3.63	3.93	3.38	NO	
L0001565	0	0.68970E-06	471207.1	3753182.6	489.2	3.63	3.93	3.38	NO	

L0001566	0	0.68970E-06	471198.6	3753182.4	489.3	3.63	3.93	3.38	NO
L0001567	0	0.68970E-06	471190.2	3753182.3	489.5	3.63	3.93	3.38	NO
L0001568	0	0.68970E-06	471181.7	3753182.2	489.5	3.63	3.93	3.38	NO
L0001569	0	0.68970E-06	471173.3	3753182.0	489.5	3.63	3.93	3.38	NO
L0001570	0	0.68970E-06	471164.9	3753181.9	489.5	3.63	3.93	3.38	NO
L0001571	0	0.68970E-06	471156.4	3753181.8	489.6	3.63	3.93	3.38	NO
L0001572	0	0.68970E-06	471148.0	3753181.6	489.9	3.63	3.93	3.38	NO
L0001573	0	0.68970E-06	471139.5	3753181.5	490.2	3.63	3.93	3.38	NO
L0001574	0	0.68970E-06	471131.1	3753181.4	490.5	3.63	3.93	3.38	NO
L0001575	0	0.68970E-06	471122.7	3753181.2	490.7	3.63	3.93	3.38	NO
L0001576	0	0.68970E-06	471114.2	3753181.1	491.0	3.63	3.93	3.38	NO
L0001577	0	0.68970E-06	471105.8	3753181.0	491.3	3.63	3.93	3.38	NO
L0001578	0	0.68970E-06	471097.4	3753180.8	491.6	3.63	3.93	3.38	NO
L0001579	0	0.68970E-06	471088.9	3753180.7	491.9	3.63	3.93	3.38	NO
L0001580	0	0.68970E-06	471080.5	3753180.6	492.2	3.63	3.93	3.38	NO
L0001581	0	0.68970E-06	471072.0	3753180.4	492.5	3.63	3.93	3.38	NO
L0001582	0	0.68970E-06	471063.6	3753180.3	492.8	3.63	3.93	3.38	NO
L0001583	0	0.68970E-06	471055.2	3753180.2	493.2	3.63	3.93	3.38	NO
L0001584	0	0.68970E-06	471046.7	3753180.0	493.7	3.63	3.93	3.38	NO
L0001585	0	0.68970E-06	471038.3	3753179.9	494.0	3.63	3.93	3.38	NO
L0001586	0	0.68970E-06	471029.8	3753179.8	494.2	3.63	3.93	3.38	NO
L0001587	0	0.68970E-06	471021.4	3753179.6	494.3	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001588	0	0.68970E-06	471013.0	3753179.5	494.5	3.63	3.93	3.38	NO	
L0001589	0	0.68970E-06	471004.5	3753179.4	494.9	3.63	3.93	3.38	NO	
L0001590	0	0.68970E-06	470996.1	3753179.2	495.5	3.63	3.93	3.38	NO	
L0001591	0	0.38100E-06	471402.4	3753337.5	484.7	3.63	3.93	3.38	NO	
L0001592	0	0.38100E-06	471402.4	3753329.1	486.0	3.63	3.93	3.38	NO	
L0001593	0	0.38100E-06	471402.4	3753320.7	487.2	3.63	3.93	3.38	NO	
L0001594	0	0.38100E-06	471402.4	3753312.2	487.8	3.63	3.93	3.38	NO	
L0001595	0	0.38100E-06	471402.4	3753303.8	487.9	3.63	3.93	3.38	NO	
L0001596	0	0.38100E-06	471402.4	3753295.3	487.9	3.63	3.93	3.38	NO	
L0001597	0	0.38100E-06	471402.4	3753286.9	488.0	3.63	3.93	3.38	NO	
L0001598	0	0.38100E-06	471402.4	3753278.5	488.0	3.63	3.93	3.38	NO	
L0001599	0	0.38100E-06	471402.4	3753270.0	488.0	3.63	3.93	3.38	NO	
L0001600	0	0.38100E-06	471402.4	3753261.6	488.0	3.63	3.93	3.38	NO	
L0001601	0	0.38100E-06	471402.4	3753253.1	488.0	3.63	3.93	3.38	NO	
L0001602	0	0.38100E-06	471402.4	3753244.7	488.0	3.63	3.93	3.38	NO	

L0001603	0	0.38100E-06	471402.4	3753236.3	488.1	3.63	3.93	3.38	NO
L0001604	0	0.38100E-06	471402.4	3753227.8	488.1	3.63	3.93	3.38	NO
L0001605	0	0.38100E-06	471402.4	3753219.4	488.3	3.63	3.93	3.38	NO
L0001606	0	0.38100E-06	471402.4	3753210.9	488.6	3.63	3.93	3.38	NO
L0001607	0	0.38100E-06	471402.4	3753202.5	488.8	3.63	3.93	3.38	NO
L0001608	0	0.38100E-06	471402.4	3753194.1	489.0	3.63	3.93	3.38	NO
L0001609	0	0.38100E-06	471402.4	3753185.6	489.0	3.63	3.93	3.38	NO
L0001610	0	0.38100E-06	471402.4	3753177.2	489.0	3.63	3.93	3.38	NO
L0001611	0	0.38100E-06	471402.4	3753168.7	489.0	3.63	3.93	3.38	NO
L0001612	0	0.40740E-06	471534.8	3753393.6	482.4	3.63	3.93	3.38	NO
L0001613	0	0.40740E-06	471534.9	3753385.1	482.7	3.63	3.93	3.38	NO
L0001614	0	0.40740E-06	471535.0	3753376.7	483.0	3.63	3.93	3.38	NO
L0001615	0	0.40740E-06	471535.1	3753368.2	483.8	3.63	3.93	3.38	NO
L0001616	0	0.40740E-06	471535.2	3753359.8	484.7	3.63	3.93	3.38	NO
L0001617	0	0.40740E-06	471535.2	3753351.4	485.5	3.63	3.93	3.38	NO
L0001618	0	0.40740E-06	471535.3	3753342.9	486.1	3.63	3.93	3.38	NO
L0001619	0	0.40740E-06	471535.4	3753334.5	486.2	3.63	3.93	3.38	NO
L0001620	0	0.40740E-06	471535.5	3753326.0	486.4	3.63	3.93	3.38	NO
L0001621	0	0.40740E-06	471535.6	3753317.6	486.5	3.63	3.93	3.38	NO
L0001622	0	0.40740E-06	471535.7	3753309.2	486.8	3.63	3.93	3.38	NO
L0001623	0	0.40740E-06	471535.8	3753300.7	487.1	3.63	3.93	3.38	NO
L0001624	0	0.40740E-06	471535.9	3753292.3	487.4	3.63	3.93	3.38	NO
L0001625	0	0.40740E-06	471536.0	3753283.8	487.6	3.63	3.93	3.38	NO
L0001626	0	0.40740E-06	471536.1	3753275.4	487.6	3.63	3.93	3.38	NO
L0001627	0	0.40740E-06	471536.2	3753267.0	487.6	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001628	0	0.40740E-06	471536.3	3753258.5	487.6	3.63	3.93	3.38	NO	
L0001629	0	0.40740E-06	471536.4	3753250.1	487.6	3.63	3.93	3.38	NO	
L0001630	0	0.40740E-06	471536.5	3753241.6	487.6	3.63	3.93	3.38	NO	
L0001631	0	0.40740E-06	471536.6	3753233.2	487.6	3.63	3.93	3.38	NO	
L0001632	0	0.40740E-06	471536.7	3753224.8	487.6	3.63	3.93	3.38	NO	
L0001633	0	0.40740E-06	471536.8	3753216.3	487.6	3.63	3.93	3.38	NO	
L0001634	0	0.40740E-06	471536.9	3753207.9	487.6	3.63	3.93	3.38	NO	
L0001635	0	0.40740E-06	471536.9	3753199.4	487.6	3.63	3.93	3.38	NO	
L0001636	0	0.40740E-06	471537.0	3753191.0	487.6	3.63	3.93	3.38	NO	
L0001637	0	0.40740E-06	471537.1	3753182.6	487.6	3.63	3.93	3.38	NO	
L0001638	0	0.40740E-06	471537.2	3753174.1	487.6	3.63	3.93	3.38	NO	
L0001639	0	0.36840E-06	471068.9	3753208.3	491.6	3.63	3.93	3.38	NO	

L0001640	0	0.36840E-06	471077.4	3753208.4	491.4	3.63	3.93	3.38	NO
L0001641	0	0.36840E-06	471085.8	3753208.4	491.1	3.63	3.93	3.38	NO
L0001642	0	0.36840E-06	471094.3	3753208.5	490.8	3.63	3.93	3.38	NO
L0001643	0	0.36840E-06	471102.7	3753208.5	490.5	3.63	3.93	3.38	NO
L0001644	0	0.36840E-06	471111.1	3753208.6	490.1	3.63	3.93	3.38	NO
L0001645	0	0.36840E-06	471119.6	3753208.7	489.7	3.63	3.93	3.38	NO
L0001646	0	0.36840E-06	471128.0	3753208.7	489.3	3.63	3.93	3.38	NO
L0001647	0	0.36840E-06	471136.5	3753208.8	489.1	3.63	3.93	3.38	NO
L0001648	0	0.36840E-06	471144.9	3753208.8	488.9	3.63	3.93	3.38	NO
L0001649	0	0.36840E-06	471153.3	3753208.9	488.7	3.63	3.93	3.38	NO
L0001650	0	0.36840E-06	471161.8	3753209.0	488.6	3.63	3.93	3.38	NO
L0001651	0	0.36840E-06	471170.2	3753209.0	488.6	3.63	3.93	3.38	NO
L0001652	0	0.36840E-06	471178.7	3753209.1	488.6	3.63	3.93	3.38	NO
L0001653	0	0.36840E-06	471187.1	3753209.2	488.6	3.63	3.93	3.38	NO
L0001654	0	0.36840E-06	471195.5	3753209.2	488.6	3.63	3.93	3.38	NO
L0001655	0	0.36840E-06	471204.0	3753209.3	488.6	3.63	3.93	3.38	NO
L0001656	0	0.36840E-06	471212.4	3753209.3	488.6	3.63	3.93	3.38	NO
L0001657	0	0.36840E-06	471220.9	3753209.4	488.6	3.63	3.93	3.38	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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

ALL 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 , L0001531 ,

L0001532 , L0001533 , L0001534 , L0001535 , L0001536 , L0001537 , L0001538 , L0001539 ,

L0001540 , L0001541 , L0001542 , L0001543 , L0001544 , L0001545 , L0001546 , L0001547 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

470324.3, 470374.3, 470424.3, 470474.3, 470524.3, 470574.3, 470624.3, 470674.3, 470724.3, 470774.3,
470824.3, 470874.3, 470924.3, 470974.3, 471024.3, 471074.3, 471124.3, 471174.3, 471224.3, 471274.3,
471324.3, 471374.3, 471424.3, 471474.3, 471524.3, 471574.3, 471624.3, 471674.3, 471724.3, 471774.3,
471824.3, 471874.3, 471924.3, 471974.3, 472024.3, 472074.3, 472124.3, 472174.3, 472224.3, 472274.3,

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

3752273.1, 3752323.1, 3752373.1, 3752423.1, 3752473.1, 3752523.1, 3752573.1, 3752623.1, 3752673.1, 3752723.1,
3752773.1, 3752823.1, 3752873.1, 3752923.1, 3752973.1, 3753023.1, 3753073.1, 3753123.1, 3753173.1, 3753223.1,
3753273.1, 3753323.1, 3753373.1, 3753423.1, 3753473.1, 3753523.1, 3753573.1, 3753623.1, 3753673.1, 3753723.1,
3753773.1, 3753823.1, 3753873.1, 3753923.1, 3753973.1, 3754023.1, 3754073.1, 3754123.1, 3754173.1, 3754223.1,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470324.27	470374.27	470424.27	470474.27	470524.27	470574.27	470624.27	470674.27	470724.27
3754223.10	475.20	475.40	475.10	474.30	473.60	470.80	466.80	467.50	466.30
3754173.10	485.60	482.30	479.00	476.60	472.40	468.70	470.10	471.70	469.90
3754123.10	489.30	483.40	479.50	475.60	469.80	470.10	472.30	474.30	474.00

3754073.10 |	485.60	477.00	474.30	475.30	484.60	481.60	474.20	479.70	474.00
3754023.10 |	480.20	475.90	479.20	487.20	488.20	483.00	482.80	475.60	475.80
3753973.10 |	483.00	483.40	488.40	487.90	487.20	486.60	482.30	477.90	479.40
3753923.10 |	485.30	489.40	493.40	491.00	489.90	487.50	482.80	482.10	484.00
3753873.10 |	487.10	492.00	495.90	495.70	493.30	490.40	486.70	483.30	487.60
3753823.10 |	490.20	494.70	500.20	500.90	498.70	495.00	489.70	485.60	488.00
3753773.10 |	491.00	497.80	501.90	501.70	499.70	493.50	489.70	487.60	488.80
3753723.10 |	494.30	499.40	501.50	500.50	498.70	494.70	492.70	491.50	489.30
3753673.10 |	500.00	500.10	500.50	500.60	498.30	495.30	495.00	492.50	488.60
3753623.10 |	500.20	500.40	500.90	499.90	499.70	499.00	495.80	493.40	489.80
3753573.10 |	500.50	502.20	501.20	500.50	500.10	499.30	496.10	493.50	493.00
3753523.10 |	502.00	502.10	502.20	501.10	500.30	499.10	497.80	495.30	494.10
3753473.10 |	502.80	503.00	503.90	502.90	502.10	501.20	500.30	497.10	495.70
3753423.10 |	502.60	503.50	504.70	505.50	505.00	502.70	500.30	498.20	497.70
3753373.10 |	503.30	504.00	505.00	506.20	506.20	503.50	500.00	499.00	498.60
3753323.10 |	504.00	504.60	505.00	506.20	506.20	503.50	501.50	499.20	499.80
3753273.10 |	503.10	503.80	505.20	507.20	507.60	505.50	501.30	500.50	501.00
3753223.10 |	500.30	504.50	507.30	512.80	512.70	507.90	505.80	503.40	501.90
3753173.10 |	500.30	504.50	509.50	519.70	518.70	513.00	506.50	503.40	501.10
3753123.10 |	499.80	501.50	506.00	514.10	517.50	511.40	505.50	504.60	502.50
3753073.10 |	497.90	498.80	500.90	504.60	505.50	506.20	504.80	503.90	503.90
3753023.10 |	497.20	498.80	499.70	500.40	501.40	501.50	501.30	501.10	502.20
3752973.10 |	496.10	497.00	497.10	497.80	498.50	499.30	500.00	500.00	501.50
3752923.10 |	494.90	494.90	493.90	494.30	497.60	499.60	500.10	500.80	500.90
3752873.10 |	493.20	493.20	493.50	495.00	498.30	500.40	501.00	500.30	500.10
3752823.10 |	493.50	493.50	493.70	494.30	498.00	499.70	500.00	499.60	499.50
3752773.10 |	494.00	494.00	494.00	494.00	496.90	499.20	498.90	498.90	498.90
3752723.10 |	494.00	494.00	494.00	494.00	494.00	495.40	496.60	497.20	498.00
3752673.10 |	492.60	493.80	494.00	494.50	494.90	497.00	496.50	496.90	497.50
3752623.10 |	491.90	493.70	493.90	494.00	494.80	495.90	495.00	495.00	496.50
3752573.10 |	489.40	491.30	492.20	494.00	494.20	495.00	494.20	494.80	495.70
3752523.10 |	488.00	488.50	489.30	492.30	493.90	494.50	494.00	494.00	495.30
3752473.10 |	488.10	488.10	488.10	489.60	493.80	494.00	494.00	494.10	494.70
3752423.10 |	489.80	489.80	489.70	491.40	492.90	493.60	494.80	495.60	496.40
3752373.10 |	489.20	490.50	491.70	492.50	492.90	493.50	494.20	496.60	498.70
3752323.10 |	488.10	491.40	492.50	494.30	495.10	495.20	494.60	498.50	500.10
3752273.10 |	490.10	493.20	492.90	494.30	495.80	498.20	498.50	499.10	500.50

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD |	X-COORD (METERS)								
(METERS) |	470774.27	470824.27	470874.27	470924.27	470974.27	471024.27	471074.27	471124.27	471174.27

- - - -

3754223.10 |	467.20	470.70	469.70	462.20	456.70	454.30	460.50	453.00	447.00
3754173.10 |	468.00	468.50	469.30	466.40	462.80	460.80	467.00	461.30	453.00
3754123.10 |	469.40	469.70	469.40	468.20	464.80	471.00	471.90	464.40	454.00
3754073.10 |	473.80	477.00	472.60	470.60	469.10	474.50	473.30	466.20	458.20
3754023.10 |	481.20	481.90	479.70	481.30	474.40	470.50	475.20	467.90	463.10
3753973.10 |	484.00	483.70	483.30	482.20	481.90	474.20	475.80	479.90	473.20
3753923.10 |	485.90	481.60	479.20	476.90	475.00	476.60	475.30	481.80	479.20
3753873.10 |	486.20	481.00	478.80	475.00	479.40	481.50	479.90	478.70	475.90
3753823.10 |	483.60	487.10	483.80	475.40	478.50	483.60	482.90	482.70	479.20
3753773.10 |	487.20	490.30	488.00	480.50	480.10	484.00	480.80	476.50	475.10
3753723.10 |	488.00	489.20	488.20	482.10	482.50	486.20	481.70	478.60	474.80
3753673.10 |	488.30	489.90	487.90	482.10	484.60	488.20	485.70	480.50	474.10
3753623.10 |	489.80	490.80	488.70	486.30	488.30	489.90	485.80	478.50	475.40
3753573.10 |	492.80	492.80	489.70	487.80	491.10	488.90	483.00	481.30	481.10
3753523.10 |	494.90	494.90	491.90	495.60	494.60	493.90	489.30	489.00	486.70
3753473.10 |	497.20	497.40	496.80	500.80	500.40	498.10	493.50	490.30	487.30
3753423.10 |	500.00	499.50	499.70	500.10	499.40	497.30	493.50	488.40	487.90
3753373.10 |	500.00	500.00	500.40	498.90	496.40	494.00	492.40	493.80	494.00
3753323.10 |	499.90	499.20	499.20	497.80	495.40	494.80	494.80	494.10	492.70
3753273.10 |	500.40	499.20	498.20	497.50	495.80	494.50	493.50	492.00	488.80
3753223.10 |	500.70	499.30	499.10	498.70	495.40	493.10	491.00	488.60	488.10
3753173.10 |	500.00	500.00	500.00	498.80	497.00	494.40	492.60	491.00	489.80
3753123.10 |	501.40	500.60	500.00	500.40	499.20	495.00	493.50	492.20	490.50
3753073.10 |	502.80	501.30	501.10	500.10	498.40	495.60	493.90	492.30	490.20
3753023.10 |	502.20	502.00	501.20	500.80	499.20	496.00	493.90	492.40	491.50
3752973.10 |	501.50	501.10	501.00	500.40	498.40	494.30	493.00	492.50	492.70
3752923.10 |	500.90	500.20	500.00	500.00	497.50	494.40	495.00	494.20	494.70
3752873.10 |	500.00	500.00	500.00	499.90	499.40	498.20	497.70	498.40	498.00
3752823.10 |	499.10	499.90	500.00	500.10	500.50	499.70	500.10	500.50	500.50
3752773.10 |	499.90	500.00	500.00	500.00	500.80	500.60	501.10	501.80	502.00
3752723.10 |	499.00	499.90	500.00	500.10	501.00	501.80	502.10	502.80	502.80
3752673.10 |	498.10	498.90	499.30	500.00	501.20	502.50	503.50	503.90	503.70
3752623.10 |	497.90	498.10	499.10	500.00	500.80	502.90	504.20	505.10	505.00
3752573.10 |	496.50	498.20	499.50	500.90	501.80	502.90	504.90	506.00	505.80
3752523.10 |	497.60	498.80	500.20	501.60	503.30	503.70	504.60	505.80	507.20
3752473.10 |	497.30	498.80	500.50	502.40	504.10	504.60	505.00	505.70	506.50
3752423.10 |	498.20	499.60	500.10	504.10	505.80	505.40	505.90	505.90	506.10
3752373.10 |	499.50	500.40	501.70	504.70	505.90	506.30	506.90	509.30	509.30
3752323.10 |	500.10	500.00	501.50	503.10	504.00	505.50	506.70	510.90	513.00
3752273.10 |	501.00	500.10	501.50	503.10	504.60	506.30	508.20	511.70	513.40

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD | X-COORD (METERS)

(METERS)	471224.27	471274.27	471324.27	471374.27	471424.27	471474.27	471524.27	471574.27	471624.27
3754223.10	440.80	437.10	439.70	449.00	457.90	463.20	464.20	466.50	466.90
3754173.10	445.90	440.60	439.10	439.90	447.60	454.20	459.50	463.00	467.50
3754123.10	451.20	447.50	443.20	440.20	442.30	448.10	456.20	461.10	464.00
3754073.10	452.20	451.60	447.20	443.90	440.50	443.40	450.80	455.60	459.30
3754023.10	460.80	451.80	452.40	449.50	446.70	441.90	445.10	448.50	454.20
3753973.10	462.20	458.60	456.40	454.00	451.60	448.60	443.40	445.80	451.00
3753923.10	470.20	467.10	462.20	458.40	456.90	452.90	446.00	445.60	448.70
3753873.10	474.90	474.50	466.70	460.60	454.70	448.30	444.50	444.10	445.90
3753823.10	475.50	471.30	466.90	458.90	457.00	457.70	452.50	446.20	447.60
3753773.10	472.00	468.50	468.60	468.80	464.70	463.00	462.60	456.40	454.40
3753723.10	474.40	470.30	469.30	471.10	469.50	466.60	466.50	462.80	456.60
3753673.10	471.30	470.40	469.50	470.20	474.50	469.60	469.00	464.30	464.70
3753623.10	477.90	472.90	469.50	473.30	477.60	472.10	468.50	466.50	469.50
3753573.10	480.10	475.80	473.00	478.00	483.50	480.20	472.40	475.50	476.00
3753523.10	482.20	475.60	478.60	485.60	489.00	485.90	481.40	476.30	480.00
3753473.10	482.20	478.40	479.50	484.70	488.60	487.70	481.60	481.10	481.30
3753423.10	486.20	481.10	480.70	482.50	486.60	485.90	481.20	483.30	483.60
3753373.10	484.40	481.30	481.50	481.50	485.60	486.70	483.40	484.80	487.90
3753323.10	485.90	484.20	481.90	485.60	486.30	488.00	486.10	486.80	487.50
3753273.10	488.00	487.20	485.10	488.00	488.00	488.00	487.20	488.00	488.00
3753223.10	488.10	487.90	487.10	488.00	488.80	488.00	487.20	488.00	488.00
3753173.10	488.80	487.20	488.40	489.50	489.00	488.00	487.20	488.00	488.00
3753123.10	488.80	488.00	488.70	489.90	489.10	488.00	487.10	487.50	487.80
3753073.10	488.80	488.10	489.60	490.70	489.10	487.60	487.10	487.80	487.60
3753023.10	491.10	490.40	490.40	489.70	488.00	488.00	488.00	488.00	488.40
3752973.10	492.90	492.50	492.20	488.50	488.80	489.90	489.80	489.00	489.00
3752923.10	494.40	494.40	494.20	492.20	493.70	492.60	493.80	492.20	490.60
3752873.10	497.60	498.20	497.90	495.40	494.80	493.50	494.00	493.00	491.50
3752823.10	499.50	500.40	500.00	498.30	496.60	494.00	494.50	493.60	492.20
3752773.10	501.10	501.80	500.50	499.00	499.10	497.20	497.90	494.50	493.10
3752723.10	502.70	502.60	501.30	499.80	500.60	499.80	500.00	497.10	493.90
3752673.10	503.50	503.50	502.40	501.30	500.10	500.00	499.80	497.50	496.60
3752623.10	504.30	505.10	505.10	501.70	500.00	500.60	500.00	500.10	499.20
3752573.10	505.70	505.80	505.90	502.50	500.20	501.90	500.40	503.20	501.30
3752523.10	506.40	506.00	506.50	503.30	502.40	505.50	505.80	507.90	504.40
3752473.10	507.90	506.30	507.20	505.30	506.80	508.30	508.10	511.90	506.80
3752423.10	508.10	510.50	511.40	507.30	507.50	512.60	515.30	513.50	511.50
3752373.10	510.40	511.70	512.80	511.70	509.90	516.10	519.40	515.10	514.40
3752323.10	512.90	512.80	512.10	513.80	513.10	518.90	520.10	518.60	518.10
3752273.10	514.60	513.70	515.30	516.70	517.40	518.40	521.90	520.50	518.90

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 471674.27	471724.27	471774.27	471824.27	471874.27	471924.27	471974.27	472024.27	472074.27
3754223.10	468.50	467.20	466.90	465.20	465.20	465.10	465.00	464.40	464.50
3754173.10	469.10	465.00	465.10	463.50	463.10	464.30	464.50	464.00	464.00
3754123.10	468.60	463.20	463.20	462.40	462.80	463.00	464.00	463.90	463.00
3754073.10	462.90	458.90	457.50	457.30	462.60	463.00	463.20	463.00	463.00
3754023.10	455.00	452.50	452.90	456.70	460.70	461.90	462.50	462.90	463.00
3753973.10	452.60	450.40	450.60	454.00	455.30	457.40	462.50	463.00	462.90
3753923.10	445.40	444.20	446.30	450.90	451.20	459.70	463.40	462.40	461.30
3753873.10	446.00	448.40	446.30	444.40	448.00	452.20	454.60	457.30	454.40
3753823.10	448.40	451.00	458.00	451.60	444.20	445.30	446.40	448.50	450.00
3753773.10	449.90	452.50	457.20	456.80	451.50	446.80	444.00	450.40	459.00
3753723.10	458.90	454.00	458.20	460.50	457.80	451.00	450.10	450.60	453.10
3753673.10	465.20	462.10	458.50	464.50	458.20	455.10	462.70	463.20	450.90
3753623.10	470.30	469.30	462.50	464.30	463.40	460.70	467.10	464.20	453.50
3753573.10	479.50	476.30	469.10	467.30	464.80	462.70	467.50	467.40	465.60
3753523.10	482.30	482.80	475.50	472.90	470.50	465.30	465.60	472.40	469.20
3753473.10	482.00	479.10	479.10	478.50	474.90	468.70	463.80	471.30	472.50
3753423.10	484.10	481.70	482.90	480.40	475.40	471.80	469.50	469.30	473.90
3753373.10	486.70	483.60	484.50	481.10	475.50	476.60	478.00	471.50	473.50
3753323.10	488.00	487.80	485.20	481.10	476.90	482.50	481.20	475.40	474.40
3753273.10	489.00	488.20	487.50	484.10	481.50	485.90	483.40	477.60	474.50
3753223.10	488.10	488.20	488.00	487.00	486.20	487.60	485.20	476.10	474.10
3753173.10	488.00	487.40	487.60	488.80	488.80	488.50	484.30	475.80	475.80
3753123.10	487.50	486.60	485.50	485.40	485.70	484.50	481.40	481.80	481.50
3753073.10	486.20	486.20	484.30	482.20	481.10	481.20	482.30	482.80	481.80
3753023.10	488.10	488.10	487.60	486.30	485.80	485.80	484.20	481.90	481.20
3752973.10	490.40	490.80	490.10	488.50	488.90	487.50	486.50	486.00	485.40
3752923.10	492.30	494.00	493.10	491.00	490.10	488.70	487.60	493.30	491.80
3752873.10	492.30	494.00	493.50	492.00	491.80	490.80	488.30	493.30	493.60
3752823.10	492.50	493.50	494.00	493.30	493.30	494.00	491.40	494.80	493.20
3752773.10	494.00	494.00	494.10	494.90	494.90	494.50	492.40	495.00	493.50
3752723.10	494.80	494.80	495.00	495.80	496.00	494.50	493.20	497.10	493.80
3752673.10	496.90	497.40	497.20	496.50	495.60	494.50	494.20	499.20	497.90
3752623.10	499.90	499.90	499.20	497.90	496.30	494.50	494.40	499.00	498.80
3752573.10	500.00	500.80	500.90	498.80	498.60	498.00	497.40	497.10	496.70
3752523.10	501.20	502.00	501.70	501.60	504.90	504.80	501.60	500.00	499.90
3752473.10	505.20	505.40	504.80	506.00	511.60	511.20	508.10	504.50	503.20
3752423.10	506.80	510.50	508.10	511.20	512.80	512.90	512.40	507.90	504.50
3752373.10	513.90	513.50	511.60	508.70	513.80	514.20	513.30	510.90	505.20
3752323.10	519.10	518.10	518.60	512.20	515.50	515.70	515.60	512.50	509.60
3752273.10	522.40	521.40	519.80	515.30	517.40	517.40	516.90	518.00	517.20

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 472124.27	472174.27	472224.27	472274.27
3754223.10	464.00	464.00	463.00	463.20
3754173.10	463.80	463.00	462.80	463.50
3754123.10	463.10	463.20	461.80	462.40
3754073.10	463.70	462.40	458.90	456.10
3754023.10	463.50	460.50	456.10	452.20
3753973.10	463.00	462.90	454.00	458.20
3753923.10	459.10	459.60	451.60	456.50
3753873.10	449.60	453.80	449.00	449.90
3753823.10	460.70	450.60	449.80	449.90
3753773.10	465.20	467.00	461.40	457.90
3753723.10	464.70	470.60	468.90	464.30
3753673.10	459.90	467.10	470.30	469.80
3753623.10	454.30	460.70	467.00	470.10
3753573.10	453.90	453.80	460.80	466.30
3753523.10	462.30	453.30	453.40	461.00
3753473.10	471.00	462.80	455.40	455.60
3753423.10	475.70	470.10	465.70	458.50
3753373.10	475.70	473.50	469.90	462.90
3753323.10	475.10	475.00	470.20	463.70
3753273.10	474.30	473.20	467.90	462.80
3753223.10	471.60	469.20	465.20	468.20
3753173.10	472.00	469.00	468.20	469.90
3753123.10	477.20	470.10	470.20	471.40
3753073.10	478.10	473.90	473.70	472.80
3753023.10	480.20	481.90	477.90	473.50
3752973.10	485.40	483.10	478.10	474.80
3752923.10	491.80	484.40	477.80	475.20
3752873.10	491.60	484.10	482.00	479.60
3752823.10	489.20	488.40	486.00	482.10
3752773.10	490.70	487.40	486.20	484.80
3752723.10	491.80	491.90	489.50	487.90
3752673.10	498.50	495.40	492.70	492.40
3752623.10	496.60	495.80	494.30	493.20
3752573.10	494.10	492.60	491.30	489.20
3752523.10	498.90	496.30	493.10	489.60
3752473.10	502.10	501.20	498.10	494.30
3752423.10	502.70	500.40	498.50	498.00
3752373.10	501.20	499.60	500.40	500.80
3752323.10	507.10	503.80	503.30	503.10
3752273.10	512.90	508.90	507.10	504.60

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470324.27	470374.27	470424.27	470474.27	470524.27	470574.27	470624.27	470674.27	470724.27
3754223.10	491.00	491.00	490.00	474.30	473.60	489.00	489.00	489.00	471.00
3754173.10	488.00	490.00	484.00	489.00	489.00	489.00	489.00	488.00	473.00
3754123.10	490.00	490.00	490.00	489.00	501.00	489.00	489.00	488.00	474.00
3754073.10	491.00	494.00	501.00	501.00	489.00	489.00	489.00	481.00	486.00
3754023.10	497.00	502.00	502.00	487.20	488.20	489.00	482.80	488.00	486.00
3753973.10	500.00	501.00	488.40	487.90	487.20	486.60	486.00	501.00	489.00
3753923.10	501.00	497.00	493.40	501.00	500.00	501.00	501.00	482.10	489.00
3753873.10	502.00	501.00	501.00	501.00	501.00	501.00	501.00	501.00	490.00
3753823.10	502.00	502.00	500.20	500.90	498.70	501.00	501.00	501.00	488.00
3753773.10	502.00	502.00	501.90	501.70	499.70	501.00	501.00	487.60	488.80
3753723.10	500.00	499.40	501.50	500.50	498.70	494.70	492.70	491.50	489.30
3753673.10	500.00	500.10	500.50	500.60	498.30	495.30	495.00	492.50	488.60
3753623.10	500.20	500.40	500.90	499.90	499.70	499.00	495.80	493.40	489.80
3753573.10	500.50	502.20	501.20	500.50	500.10	499.30	496.10	493.50	493.00
3753523.10	502.00	502.10	502.20	501.10	500.30	499.10	497.80	495.30	494.10
3753473.10	502.80	503.00	503.90	502.90	502.10	501.20	500.30	497.10	495.70
3753423.10	502.60	503.50	504.70	505.50	505.00	502.70	500.30	498.20	497.70
3753373.10	503.30	504.00	505.00	506.20	506.20	503.50	500.00	499.00	498.60
3753323.10	504.00	504.60	505.00	506.20	506.20	521.00	501.50	499.20	499.80
3753273.10	503.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	501.00
3753223.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	519.00	501.90
3753173.10	521.00	521.00	521.00	519.70	518.70	521.00	521.00	521.00	501.10
3753123.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	520.00	502.50
3753073.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	520.00	503.90
3753023.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	520.00	502.20
3752973.10	521.00	521.00	521.00	521.00	521.00	521.00	521.00	500.00	501.50
3752923.10	494.90	521.00	521.00	521.00	521.00	499.60	500.10	500.80	500.90
3752873.10	493.20	493.20	521.00	495.00	498.30	500.40	501.00	500.30	500.10
3752823.10	493.50	493.50	493.70	494.30	498.00	499.70	500.00	499.60	499.50
3752773.10	494.00	494.00	494.00	494.00	498.00	499.20	498.90	498.90	498.90
3752723.10	494.00	494.00	494.00	494.00	494.00	495.40	496.60	497.20	498.00
3752673.10	492.60	493.80	494.00	494.50	494.90	497.00	496.50	496.90	497.50
3752623.10	491.90	493.70	493.90	494.00	494.80	495.90	495.00	495.00	496.50
3752573.10	489.40	491.30	492.20	494.00	494.20	495.00	494.20	494.80	495.70
3752523.10	488.00	488.50	489.30	492.30	493.90	494.50	494.00	494.00	495.30
3752473.10	488.10	488.10	488.10	493.00	493.80	494.00	494.00	494.10	494.70
3752423.10	489.80	489.80	489.70	491.40	492.90	493.60	494.80	495.60	496.40
3752373.10	489.20	490.50	491.70	492.50	492.90	493.50	494.20	496.60	498.70

3752323.10 |	488.10	492.00	492.50	494.30	495.10	495.20	494.60	498.50	500.10
3752273.10 |	494.00	493.20	492.90	494.30	495.80	498.20	498.50	499.10	500.50

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS) |	X-COORD (METERS) 470774.27	470824.27	470874.27	470924.27	470974.27	471024.27	471074.27	471124.27	471174.27
3754223.10 |	475.00	470.70	477.00	484.00	486.00	939.00	476.00	939.00	939.00
3754173.10 |	486.00	486.00	469.30	484.00	484.00	484.00	476.00	485.00	939.00
3754123.10 |	486.00	486.00	486.00	486.00	486.00	476.00	471.90	485.00	939.00
3754073.10 |	486.00	486.00	486.00	486.00	484.00	474.50	473.30	485.00	485.00
3754023.10 |	486.00	486.00	483.00	484.00	484.00	485.00	485.00	485.00	485.00
3753973.10 |	484.00	483.70	483.30	483.00	483.00	483.00	485.00	485.00	485.00
3753923.10 |	487.00	481.60	482.00	483.00	483.00	482.00	485.00	485.00	485.00
3753873.10 |	488.00	490.00	491.00	491.00	482.00	481.50	482.00	482.00	485.00
3753823.10 |	490.00	490.00	490.00	491.00	484.00	483.60	482.90	482.70	481.00
3753773.10 |	487.20	490.30	488.00	491.00	488.00	484.00	480.80	483.00	483.00
3753723.10 |	488.00	489.20	488.20	489.00	488.00	486.20	488.00	486.00	488.00
3753673.10 |	488.30	489.90	487.90	500.00	490.00	488.20	485.70	488.00	490.00
3753623.10 |	489.80	490.80	488.70	500.00	488.30	489.90	490.00	501.00	501.00
3753573.10 |	492.80	492.80	500.00	501.00	491.10	501.00	501.00	501.00	490.00
3753523.10 |	494.90	494.90	501.00	500.00	501.00	500.00	501.00	489.00	486.70
3753473.10 |	497.20	497.40	496.80	500.80	500.40	500.00	500.00	490.30	487.30
3753423.10 |	500.00	499.50	499.70	500.10	499.40	497.30	493.50	495.00	495.00
3753373.10 |	500.00	500.00	500.40	498.90	499.00	494.00	492.40	493.80	494.00
3753323.10 |	499.90	499.20	499.20	497.80	495.40	494.80	494.80	494.10	492.70
3753273.10 |	500.40	499.20	498.20	497.50	495.80	494.50	493.50	492.00	494.00
3753223.10 |	500.70	499.30	499.10	498.70	495.40	493.10	491.00	493.00	488.10
3753173.10 |	500.00	500.00	500.00	498.80	497.00	494.40	492.60	491.00	489.80
3753123.10 |	501.40	500.60	500.00	500.40	499.20	495.00	493.50	492.20	490.50
3753073.10 |	502.80	501.30	501.10	500.10	498.40	495.60	493.90	492.30	490.20
3753023.10 |	502.20	502.00	501.20	500.80	499.20	496.00	493.90	492.40	491.50
3752973.10 |	501.50	501.10	501.00	500.40	498.40	494.30	493.00	492.50	492.70
3752923.10 |	500.90	500.20	500.00	500.00	500.00	498.00	495.00	494.20	494.70
3752873.10 |	500.00	500.00	500.00	499.90	499.40	498.20	497.70	498.40	498.00
3752823.10 |	499.10	499.90	500.00	500.10	500.50	499.70	500.10	500.50	500.50
3752773.10 |	499.90	500.00	500.00	500.00	500.80	500.60	501.10	501.80	502.00
3752723.10 |	499.00	499.90	500.00	500.10	501.00	501.80	502.10	502.80	502.80
3752673.10 |	498.10	498.90	499.30	500.00	501.20	502.50	503.50	503.90	503.70
3752623.10 |	497.90	498.10	499.10	500.00	500.80	502.90	504.20	505.10	505.00
3752573.10 |	496.50	498.20	499.50	500.90	501.80	502.90	504.90	506.00	505.80
3752523.10 |	497.60	498.80	500.20	501.60	503.30	503.70	504.60	505.80	507.20

3752473.10 |	497.30	498.80	500.50	502.40	504.10	504.60	505.00	505.70	506.50
3752423.10 |	498.20	499.60	500.10	504.10	505.80	505.40	505.90	505.90	506.10
3752373.10 |	499.50	500.40	501.70	504.70	505.90	506.30	506.90	509.30	512.00
3752323.10 |	500.10	500.00	501.50	503.10	504.00	505.50	510.00	510.90	513.00
3752273.10 |	501.00	500.10	501.50	503.10	504.60	506.30	511.00	511.70	513.40

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD | (METERS) |	X-COORD (METERS) 471224.27	471274.27	471324.27	471374.27	471424.27	471474.27	471524.27	471574.27	471624.27
3754223.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754173.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754123.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754073.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754023.10 |	485.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753973.10 |	485.00	485.00	485.00	939.00	939.00	939.00	939.00	939.00	939.00
3753923.10 |	485.00	485.00	485.00	485.00	930.00	939.00	939.00	939.00	939.00
3753873.10 |	474.90	474.50	476.00	476.00	487.00	939.00	939.00	939.00	939.00
3753823.10 |	475.50	476.00	476.00	489.00	489.00	489.00	939.00	939.00	939.00
3753773.10 |	483.00	475.00	468.60	470.00	487.00	489.00	489.00	489.00	939.00
3753723.10 |	474.40	475.00	469.30	471.10	487.00	489.00	489.00	489.00	489.00
3753673.10 |	489.00	482.00	489.00	489.00	487.00	489.00	489.00	489.00	489.00
3753623.10 |	482.00	489.00	489.00	489.00	489.00	489.00	489.00	489.00	488.00
3753573.10 |	486.00	488.00	489.00	489.00	489.00	489.00	489.00	488.00	483.00
3753523.10 |	488.00	495.00	489.00	489.00	489.00	489.00	489.00	489.00	480.00
3753473.10 |	495.00	495.00	489.00	484.70	488.60	487.70	489.00	482.00	481.30
3753423.10 |	495.00	495.00	480.70	482.50	486.60	488.00	488.00	483.30	486.00
3753373.10 |	495.00	495.00	481.50	488.00	485.60	486.70	488.00	484.80	487.90
3753323.10 |	495.00	493.00	488.00	485.60	486.30	488.00	486.10	486.80	487.50
3753273.10 |	488.00	487.20	485.10	488.00	488.00	488.00	487.20	488.00	488.00
3753223.10 |	488.10	487.90	487.10	488.00	488.80	488.00	487.20	488.00	488.00
3753173.10 |	488.80	487.20	488.40	489.50	489.00	488.00	487.20	488.00	488.00
3753123.10 |	488.80	488.00	488.70	489.90	489.10	488.00	487.10	487.50	487.80
3753073.10 |	488.80	488.10	489.60	490.70	489.10	487.60	487.10	487.80	487.60
3753023.10 |	492.00	490.40	490.40	489.70	488.00	488.00	488.00	488.00	488.40
3752973.10 |	492.90	492.50	492.20	493.00	494.00	489.90	489.80	489.00	489.00
3752923.10 |	494.40	494.40	494.20	492.20	493.70	492.60	493.80	492.20	490.60
3752873.10 |	497.60	498.20	497.90	495.40	494.80	493.50	494.00	493.00	491.50
3752823.10 |	499.50	500.40	500.00	498.30	496.60	494.00	494.50	493.60	492.20
3752773.10 |	501.10	501.80	500.50	499.00	499.10	497.20	497.90	499.00	493.10
3752723.10 |	502.70	502.60	501.30	499.80	500.60	499.80	500.00	500.00	493.90
3752673.10 |	503.50	503.50	502.40	501.30	500.10	500.00	499.80	497.50	496.60

3752623.10 |	504.30	505.10	505.10	501.70	500.00	500.60	500.00	500.10	499.20
3752573.10 |	505.70	505.80	505.90	502.50	500.20	501.90	517.00	507.00	512.00
3752523.10 |	506.40	506.00	506.50	503.30	519.00	505.50	517.00	507.90	512.00
3752473.10 |	507.90	512.00	507.20	512.00	518.00	519.00	520.00	511.90	519.00
3752423.10 |	508.10	512.00	511.40	513.00	520.00	519.00	519.00	519.00	511.50
3752373.10 |	510.40	511.70	512.80	511.70	520.00	519.00	519.40	519.00	518.00
3752323.10 |	512.90	512.80	512.10	513.80	532.00	518.90	520.10	518.60	518.10
3752273.10 |	514.60	513.70	517.00	516.70	532.00	532.00	521.90	520.50	526.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD | (METERS) |	X-COORD (METERS) 471674.27	471724.27	471774.27	471824.27	471874.27	471924.27	471974.27	472024.27	472074.27
3754223.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754173.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754123.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754073.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3754023.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753973.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753923.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753873.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753823.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753773.10 |	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00
3753723.10 |	487.00	939.00	930.00	930.00	939.00	939.00	939.00	939.00	939.00
3753673.10 |	484.00	484.00	484.00	484.00	930.00	939.00	930.00	939.00	939.00
3753623.10 |	484.00	484.00	484.00	484.00	484.00	483.00	468.00	470.00	939.00
3753573.10 |	483.00	484.00	484.00	484.00	484.00	483.00	471.00	473.00	473.00
3753523.10 |	482.30	482.80	484.00	483.00	483.00	483.00	473.00	473.00	469.20
3753473.10 |	482.00	482.00	482.00	480.00	474.90	483.00	488.00	471.30	472.50
3753423.10 |	486.00	481.70	482.90	480.40	475.40	486.00	488.00	488.00	473.90
3753373.10 |	486.70	488.00	484.50	482.00	484.00	486.00	483.00	488.00	473.50
3753323.10 |	488.00	487.80	487.00	482.00	488.00	482.50	482.00	488.00	474.40
3753273.10 |	489.00	488.20	487.50	488.00	486.00	485.90	488.00	488.00	486.00
3753223.10 |	488.10	488.20	488.00	487.00	486.20	487.60	486.00	489.00	489.00
3753173.10 |	488.00	487.40	487.60	488.80	488.80	488.50	489.00	489.00	482.00
3753123.10 |	487.50	486.60	485.50	487.00	485.70	487.00	489.00	481.80	481.50
3753073.10 |	486.20	486.20	484.30	485.00	488.00	481.20	482.30	482.80	481.80
3753023.10 |	488.10	488.10	487.60	486.30	487.00	485.80	484.20	494.00	495.00
3752973.10 |	490.40	493.00	490.10	488.50	488.90	487.50	494.00	494.00	495.00
3752923.10 |	492.30	494.00	493.10	491.00	490.10	488.70	494.00	494.00	491.80
3752873.10 |	492.30	494.00	493.50	492.00	491.80	490.80	495.00	493.30	493.60
3752823.10 |	492.50	493.50	494.00	493.30	493.30	494.00	491.40	494.80	493.20

3752773.10 |	494.00	494.00	494.10	494.90	494.90	494.50	492.40	495.00	493.50
3752723.10 |	494.80	494.80	495.00	495.80	496.00	494.50	498.00	498.00	493.80
3752673.10 |	496.90	497.40	497.20	496.50	495.60	494.50	500.00	499.20	497.90
3752623.10 |	499.90	499.90	499.20	497.90	512.00	513.00	512.00	500.00	498.80
3752573.10 |	500.00	500.80	500.90	513.00	513.00	514.00	513.00	512.00	496.70
3752523.10 |	512.00	502.00	505.00	513.00	513.00	513.00	513.00	513.00	499.90
3752473.10 |	512.00	512.00	511.00	513.00	511.60	511.20	512.00	513.00	503.20
3752423.10 |	523.00	510.50	519.00	511.20	512.80	512.90	512.40	513.00	513.00
3752373.10 |	519.00	513.50	519.00	519.00	513.80	514.20	513.30	510.90	520.00
3752323.10 |	519.10	518.10	518.60	521.00	515.50	515.70	515.60	519.00	520.00
3752273.10 |	522.40	521.40	519.80	519.00	517.40	517.40	516.90	519.00	519.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS) |	X-COORD (METERS) 472124.27	472174.27	472224.27	472274.27
3754223.10 |	939.00	939.00	939.00	939.00
3754173.10 |	939.00	939.00	939.00	939.00
3754123.10 |	939.00	939.00	939.00	939.00
3754073.10 |	939.00	939.00	939.00	939.00
3754023.10 |	939.00	939.00	939.00	939.00
3753973.10 |	939.00	939.00	939.00	939.00
3753923.10 |	939.00	939.00	939.00	939.00
3753873.10 |	939.00	939.00	939.00	939.00
3753823.10 |	939.00	939.00	939.00	939.00
3753773.10 |	939.00	939.00	939.00	939.00
3753723.10 |	939.00	939.00	939.00	939.00
3753673.10 |	939.00	939.00	939.00	939.00
3753623.10 |	939.00	939.00	939.00	939.00
3753573.10 |	939.00	939.00	939.00	930.00
3753523.10 |	476.00	939.00	939.00	939.00
3753473.10 |	476.00	476.00	930.00	939.00
3753423.10 |	475.70	476.00	476.00	476.00
3753373.10 |	475.70	473.50	469.90	476.00
3753323.10 |	475.10	475.00	475.00	475.00
3753273.10 |	474.30	476.00	476.00	476.00
3753223.10 |	481.00	475.00	476.00	469.00
3753173.10 |	482.00	482.00	468.20	469.90
3753123.10 |	482.00	495.00	483.00	471.40
3753073.10 |	482.00	495.00	495.00	482.00
3753023.10 |	495.00	483.00	495.00	495.00
3752973.10 |	495.00	495.00	495.00	495.00

3752923.10 |	495.00	495.00	495.00	495.00
3752873.10 |	495.00	495.00	495.00	488.00
3752823.10 |	489.20	488.40	486.00	482.10
3752773.10 |	500.00	500.00	500.00	500.00
3752723.10 |	500.00	500.00	500.00	492.00
3752673.10 |	498.50	500.00	492.70	492.40
3752623.10 |	496.60	495.80	494.30	494.00
3752573.10 |	501.00	500.00	500.00	489.20
3752523.10 |	501.00	502.00	502.00	501.00
3752473.10 |	502.10	501.20	500.00	494.30
3752423.10 |	502.70	500.40	498.50	499.00
3752373.10 |	522.00	521.00	500.40	500.80
3752323.10 |	521.00	521.00	517.00	503.10
3752273.10 |	519.00	520.00	507.10	504.60

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

(471761.0,	3752929.0,	493.8,	493.8,	0.0);	(471633.4,	3752929.0,	490.1,	490.1,	0.0);
(471511.9,	3752927.8,	493.4,	493.4,	0.0);	(471378.2,	3752924.1,	492.2,	492.2,	0.0);
(471275.1,	3752927.8,	494.1,	494.1,	0.0);	(471448.1,	3752870.1,	494.3,	494.3,	0.0);
(471385.5,	3752872.6,	495.2,	495.2,	0.0);	(471324.2,	3752870.1,	498.2,	498.2,	0.0);
(471277.6,	3752876.3,	498.0,	499.0,	0.0);	(471162.3,	3752926.6,	494.1,	494.1,	0.0);
(471026.1,	3752922.9,	494.4,	498.0,	0.0);	(471233.4,	3752873.8,	497.5,	497.5,	0.0);
(471104.6,	3752868.9,	498.8,	498.8,	0.0);	(471000.3,	3752872.6,	499.0,	499.0,	0.0);
(470962.3,	3752909.4,	498.1,	498.1,	0.0);	(470866.6,	3752908.2,	500.0,	500.0,	0.0);
(470788.1,	3752908.2,	500.4,	500.4,	0.0);					

* 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)
L0001491	471374.3	3753323.1	-3.55
L0001492	471374.3	3753323.1	0.96
L0001497	471374.3	3753273.1	-3.56
L0001502	471374.3	3753223.1	0.55
L0001503	471374.3	3753223.1	-3.49

L0001508	471374.3	3753173.1	0.02
L0001509	471374.3	3753173.1	-3.34
L0001514	471374.3	3753123.1	-0.50
L0001515	471374.3	3753123.1	-3.11
L0001520	471374.3	3753073.1	-0.92
L0001521	471374.3	3753073.1	-2.67
L0001526	471374.3	3753023.1	-1.12
L0001527	471374.3	3753023.1	-2.03
L0001532	471374.3	3752973.1	-1.26
L0001569	471174.3	3753173.1	0.55
L0001575	471124.3	3753173.1	-0.15
L0001581	471074.3	3753173.1	-0.77
L0001586	471024.3	3753173.1	0.25
L0001587	471024.3	3753173.1	-1.30

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

1 1 1

Profile file: N:\AIR_GHG_NOISE_Technical\001_AIR\Meterological\RiversideAirportADJU\KRAL_V9_AD

Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190

Name: UNKNOWN Name: UNKNOWN

Year: 2012 Year: 2012

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
12	01	01	1	01	-25.6	0.266	-9.000	-9.000	-999.	330.	77.9	0.15	2.40	1.00	2.93	55.	10.1	288.1	2.0
12	01	01	1	02	-26.8	0.277	-9.000	-9.000	-999.	351.	84.7	0.15	2.40	1.00	3.05	55.	10.1	287.0	2.0
12	01	01	1	03	-21.5	0.221	-9.000	-9.000	-999.	250.	53.5	0.15	2.40	1.00	2.45	74.	10.1	284.2	2.0
12	01	01	1	04	-22.0	0.227	-9.000	-9.000	-999.	260.	56.8	0.15	2.40	1.00	2.52	77.	10.1	285.9	2.0
12	01	01	1	05	-20.0	0.206	-9.000	-9.000	-999.	225.	46.8	0.15	2.40	1.00	2.30	80.	10.1	285.4	2.0
12	01	01	1	06	-14.4	0.171	-9.000	-9.000	-999.	170.	32.1	0.15	2.40	1.00	1.93	79.	10.1	287.0	2.0
12	01	01	1	07	-14.9	0.174	-9.000	-9.000	-999.	174.	33.2	0.15	2.40	1.00	1.96	77.	10.1	284.2	2.0
12	01	01	1	08	-11.9	0.169	-9.000	-9.000	-999.	167.	36.1	0.15	2.40	0.53	1.89	77.	10.1	288.1	2.0
12	01	01	1	09	40.4	0.234	0.359	0.006	40.	272.	-28.1	0.15	2.40	0.31	2.10	81.	10.1	289.2	2.0
12	01	01	1	10	112.6	0.246	0.742	0.005	129.	293.	-11.8	0.15	2.40	0.24	1.99	101.	10.1	296.4	2.0
12	01	01	1	11	161.0	0.402	1.188	0.005	369.	611.	-35.6	0.15	2.40	0.21	3.68	78.	10.1	298.8	2.0
12	01	01	1	12	184.7	0.337	1.516	0.005	668.	473.	-18.4	0.15	2.40	0.20	2.89	68.	10.1	300.4	2.0
12	01	01	1	13	183.9	0.310	1.809	0.005	1139.	414.	-14.2	0.15	2.40	0.20	2.57	64.	10.1	302.5	2.0
12	01	01	1	14	156.6	0.374	1.852	0.005	1434.	549.	-29.5	0.15	2.40	0.22	3.37	63.	10.1	303.1	2.0
12	01	01	1	15	104.3	0.382	1.658	0.005	1546.	567.	-47.2	0.15	2.40	0.25	3.59	62.	10.1	302.5	2.0
12	01	01	1	16	31.8	0.374	1.123	0.005	1573.	550.	-145.8	0.15	2.40	0.34	3.76	69.	10.1	300.9	2.0
12	01	01	1	17	-23.3	0.276	-9.000	-9.000	-999.	354.	84.0	0.15	2.40	0.62	3.03	59.	10.1	297.5	2.0
12	01	01	1	18	-21.5	0.229	-9.000	-9.000	-999.	264.	57.8	0.15	2.40	1.00	2.54	54.	10.1	295.4	2.0
12	01	01	1	19	-19.3	0.204	-9.000	-9.000	-999.	221.	45.6	0.15	2.40	1.00	2.27	79.	10.1	292.0	2.0
12	01	01	1	20	-20.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.15	2.40	1.00	2.42	79.	10.1	292.5	2.0
12	01	01	1	21	-19.7	0.206	-9.000	-9.000	-999.	225.	46.9	0.15	2.40	1.00	2.30	95.	10.1	290.9	2.0
12	01	01	1	22	-17.6	0.190	-9.000	-9.000	-999.	199.	39.8	0.15	2.40	1.00	2.13	78.	10.1	290.4	2.0
12	01	01	1	23	-20.3	0.211	-9.000	-9.000	-999.	233.	49.0	0.15	2.40	1.00	2.35	52.	10.1	289.2	2.0
12	01	01	1	24	-16.4	0.183	-9.000	-9.000	-999.	189.	37.0	0.15	2.40	1.00	2.06	75.	10.1	288.8	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.1	1	55.	2.93	288.2	99.0	-99.00	-99.00

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

*** AERMOD - VERSION 16216r *** *** C:\AERMOD\9309\PM2\PM2.isc *** 11/25/19

*** AERMET - VERSION 16216 *** *** *** 14:10:19

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 470324.27	470374.27	470424.27	470474.27	470524.27	470574.27	470624.27	470674.27	470724.27
3754223.10	0.00014	0.00014	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00016
3754173.10	0.00015	0.00015	0.00016	0.00016	0.00016	0.00016	0.00017	0.00017	0.00017
3754123.10	0.00016	0.00016	0.00017	0.00017	0.00017	0.00017	0.00018	0.00019	0.00019
3754073.10	0.00017	0.00017	0.00017	0.00018	0.00019	0.00020	0.00019	0.00021	0.00020
3754023.10	0.00017	0.00018	0.00019	0.00020	0.00021	0.00021	0.00022	0.00022	0.00022
3753973.10	0.00018	0.00019	0.00020	0.00021	0.00022	0.00023	0.00023	0.00024	0.00025
3753923.10	0.00019	0.00021	0.00022	0.00023	0.00024	0.00025	0.00025	0.00026	0.00027
3753873.10	0.00021	0.00022	0.00023	0.00024	0.00025	0.00026	0.00028	0.00028	0.00030
3753823.10	0.00022	0.00023	0.00023	0.00024	0.00026	0.00028	0.00030	0.00031	0.00033
3753773.10	0.00023	0.00024	0.00024	0.00026	0.00028	0.00031	0.00032	0.00034	0.00036
3753723.10	0.00024	0.00025	0.00026	0.00028	0.00030	0.00033	0.00035	0.00037	0.00039
3753673.10	0.00025	0.00026	0.00028	0.00029	0.00032	0.00035	0.00038	0.00040	0.00043
3753623.10	0.00026	0.00028	0.00029	0.00032	0.00034	0.00037	0.00041	0.00044	0.00047
3753573.10	0.00027	0.00029	0.00031	0.00034	0.00036	0.00039	0.00044	0.00048	0.00052
3753523.10	0.00028	0.00030	0.00032	0.00035	0.00038	0.00042	0.00047	0.00052	0.00057
3753473.10	0.00029	0.00031	0.00033	0.00036	0.00040	0.00044	0.00049	0.00056	0.00062
3753423.10	0.00030	0.00032	0.00033	0.00035	0.00039	0.00045	0.00052	0.00060	0.00067
3753373.10	0.00031	0.00033	0.00035	0.00036	0.00040	0.00047	0.00057	0.00065	0.00073
3753323.10	0.00031	0.00033	0.00036	0.00038	0.00042	0.00050	0.00058	0.00069	0.00079
3753273.10	0.00033	0.00035	0.00037	0.00038	0.00041	0.00049	0.00062	0.00072	0.00082
3753223.10	0.00035	0.00035	0.00036	0.00031	0.00034	0.00046	0.00056	0.00069	0.00085
3753173.10	0.00036	0.00037	0.00035	0.00024	0.00027	0.00038	0.00058	0.00074	0.00093
3753123.10	0.00038	0.00040	0.00041	0.00033	0.00030	0.00045	0.00064	0.00076	0.00096
3753073.10	0.00039	0.00043	0.00047	0.00048	0.00053	0.00058	0.00069	0.00081	0.00096
3753023.10	0.00040	0.00044	0.00048	0.00054	0.00059	0.00067	0.00076	0.00087	0.00098
3752973.10	0.00041	0.00045	0.00050	0.00055	0.00061	0.00068	0.00076	0.00085	0.00093
3752923.10	0.00041	0.00045	0.00049	0.00055	0.00060	0.00066	0.00072	0.00078	0.00085
3752873.10	0.00041	0.00044	0.00048	0.00053	0.00057	0.00061	0.00066	0.00071	0.00076
3752823.10	0.00040	0.00043	0.00046	0.00050	0.00054	0.00057	0.00061	0.00064	0.00067
3752773.10	0.00039	0.00041	0.00044	0.00047	0.00051	0.00053	0.00055	0.00058	0.00059
3752723.10	0.00037	0.00039	0.00042	0.00044	0.00046	0.00049	0.00050	0.00052	0.00052
3752673.10	0.00035	0.00037	0.00039	0.00041	0.00042	0.00044	0.00045	0.00046	0.00046
3752623.10	0.00033	0.00035	0.00036	0.00037	0.00039	0.00039	0.00040	0.00041	0.00040
3752573.10	0.00031	0.00032	0.00033	0.00034	0.00035	0.00035	0.00036	0.00036	0.00035
3752523.10	0.00028	0.00029	0.00030	0.00031	0.00031	0.00032	0.00032	0.00032	0.00031
3752473.10	0.00026	0.00027	0.00027	0.00028	0.00028	0.00028	0.00028	0.00028	0.00027
3752423.10	0.00024	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00024	0.00024
3752373.10	0.00022	0.00023	0.00023	0.00023	0.00023	0.00023	0.00022	0.00021	0.00020
3752323.10	0.00021	0.00021	0.00021	0.00021	0.00020	0.00020	0.00020	0.00018	0.00017
3752273.10	0.00019	0.00019	0.00019	0.00019	0.00018	0.00018	0.00017	0.00016	0.00015

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 470774.27	470824.27	470874.27	470924.27	470974.27	471024.27	471074.27	471124.27	471174.27
3754223.10	0.00016	0.00016	0.00016	0.00015	0.00015	0.00015	0.00015	0.00014	0.00014
3754173.10	0.00017	0.00017	0.00018	0.00017	0.00017	0.00016	0.00017	0.00016	0.00015
3754123.10	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00020	0.00018	0.00017
3754073.10	0.00021	0.00022	0.00021	0.00021	0.00021	0.00022	0.00022	0.00020	0.00019
3754023.10	0.00023	0.00024	0.00024	0.00025	0.00024	0.00023	0.00024	0.00023	0.00022
3753973.10	0.00026	0.00026	0.00027	0.00027	0.00028	0.00026	0.00027	0.00028	0.00026
3753923.10	0.00028	0.00029	0.00029	0.00029	0.00029	0.00030	0.00030	0.00032	0.00031
3753873.10	0.00031	0.00031	0.00032	0.00031	0.00033	0.00035	0.00035	0.00035	0.00034
3753823.10	0.00034	0.00035	0.00036	0.00035	0.00037	0.00039	0.00040	0.00041	0.00040
3753773.10	0.00038	0.00039	0.00041	0.00041	0.00042	0.00044	0.00045	0.00044	0.00044
3753723.10	0.00041	0.00044	0.00046	0.00046	0.00048	0.00051	0.00052	0.00052	0.00051
3753673.10	0.00046	0.00049	0.00051	0.00052	0.00055	0.00059	0.00061	0.00061	0.00059
3753623.10	0.00051	0.00055	0.00058	0.00061	0.00064	0.00068	0.00071	0.00070	0.00070
3753573.10	0.00057	0.00061	0.00066	0.00070	0.00074	0.00079	0.00081	0.00085	0.00090
3753523.10	0.00062	0.00068	0.00075	0.00079	0.00085	0.00091	0.00099	0.00106	0.00115
3753473.10	0.00068	0.00075	0.00083	0.00080	0.00086	0.00098	0.00116	0.00127	0.00140
3753423.10	0.00072	0.00081	0.00090	0.00097	0.00107	0.00122	0.00143	0.00157	0.00172
3753373.10	0.00081	0.00092	0.00103	0.00122	0.00146	0.00168	0.00185	0.00194	0.00205
3753323.10	0.00090	0.00108	0.00127	0.00157	0.00195	0.00223	0.00243	0.00261	0.00281
3753273.10	0.00099	0.00123	0.00157	0.00205	0.00273	0.00340	0.00395	0.00426	0.00429
3753223.10	0.00105	0.00136	0.00179	0.00257	0.00452	0.00660	0.00882	0.00984	0.01019
3753173.10	0.00116	0.00147	0.00196	0.00320	0.00778	0.01559	0.02030	0.02118	0.02054
3753123.10	0.00120	0.00156	0.00210	0.00284	0.00384	0.00508	0.00565	0.00588	0.00574
3753073.10	0.00118	0.00149	0.00180	0.00215	0.00249	0.00283	0.00301	0.00310	0.00325
3753023.10	0.00113	0.00129	0.00146	0.00156	0.00170	0.00191	0.00206	0.00219	0.00241
3752973.10	0.00103	0.00112	0.00118	0.00124	0.00134	0.00151	0.00160	0.00172	0.00191
3752923.10	0.00090	0.00096	0.00100	0.00101	0.00110	0.00121	0.00125	0.00136	0.00145
3752873.10	0.00079	0.00082	0.00083	0.00085	0.00087	0.00092	0.00096	0.00097	0.00101
3752823.10	0.00070	0.00070	0.00070	0.00071	0.00071	0.00073	0.00072	0.00071	0.00069
3752773.10	0.00059	0.00060	0.00060	0.00060	0.00058	0.00058	0.00056	0.00053	0.00049
3752723.10	0.00052	0.00051	0.00051	0.00050	0.00048	0.00046	0.00044	0.00040	0.00037

3752673.10 |	0.00046	0.00045	0.00044	0.00042	0.00040	0.00037	0.00034	0.00031	0.00029
3752623.10 |	0.00039	0.00039	0.00038	0.00036	0.00034	0.00030	0.00027	0.00024	0.00023
3752573.10 |	0.00035	0.00033	0.00032	0.00030	0.00028	0.00025	0.00022	0.00020	0.00019
3752523.10 |	0.00030	0.00028	0.00027	0.00025	0.00023	0.00021	0.00019	0.00017	0.00015
3752473.10 |	0.00026	0.00025	0.00023	0.00021	0.00019	0.00017	0.00016	0.00015	0.00014
3752423.10 |	0.00022	0.00021	0.00020	0.00017	0.00016	0.00015	0.00014	0.00013	0.00012
3752373.10 |	0.00019	0.00018	0.00017	0.00015	0.00014	0.00013	0.00012	0.00010	0.00010
3752323.10 |	0.00017	0.00016	0.00015	0.00014	0.00013	0.00012	0.00011	0.00009	0.00008
3752273.10 |	0.00015	0.00014	0.00013	0.00012	0.00011	0.00010	0.00009	0.00008	0.00007

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD | (METERS) |	X-COORD (METERS) 471224.27	471274.27	471324.27	471374.27	471424.27	471474.27	471524.27	471574.27	471624.27
3754223.10 |	0.00013	0.00013	0.00013	0.00013	0.00013	0.00014	0.00013	0.00013	0.00013
3754173.10 |	0.00015	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014
3754123.10 |	0.00016	0.00016	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015
3754073.10 |	0.00018	0.00018	0.00017	0.00017	0.00016	0.00016	0.00016	0.00016	0.00016
3754023.10 |	0.00021	0.00020	0.00019	0.00019	0.00018	0.00018	0.00017	0.00017	0.00017
3753973.10 |	0.00024	0.00023	0.00022	0.00021	0.00020	0.00020	0.00019	0.00019	0.00018
3753923.10 |	0.00028	0.00027	0.00025	0.00024	0.00023	0.00022	0.00021	0.00021	0.00020
3753873.10 |	0.00034	0.00033	0.00030	0.00028	0.00026	0.00025	0.00024	0.00023	0.00023
3753823.10 |	0.00039	0.00037	0.00034	0.00032	0.00030	0.00030	0.00028	0.00027	0.00026
3753773.10 |	0.00043	0.00041	0.00041	0.00039	0.00037	0.00035	0.00034	0.00031	0.00030
3753723.10 |	0.00051	0.00049	0.00048	0.00048	0.00046	0.00043	0.00041	0.00038	0.00035
3753673.10 |	0.00058	0.00059	0.00058	0.00058	0.00059	0.00053	0.00050	0.00045	0.00042
3753623.10 |	0.00076	0.00073	0.00072	0.00075	0.00078	0.00069	0.00062	0.00056	0.00052
3753573.10 |	0.00095	0.00094	0.00095	0.00105	0.00115	0.00104	0.00084	0.00079	0.00070
3753523.10 |	0.00120	0.00119	0.00137	0.00167	0.00170	0.00169	0.00142	0.00110	0.00101
3753473.10 |	0.00149	0.00160	0.00193	0.00267	0.00316	0.00328	0.00279	0.00212	0.00166
3753423.10 |	0.00195	0.00218	0.00282	0.00496	0.00811	0.00784	0.00822	0.00581	0.00314
3753373.10 |	0.00239	0.00278	0.00385	0.00657	0.00614	0.00570	0.00875	0.00706	0.00397
3753323.10 |	0.00305	0.00356	0.00462	0.00730	0.00752	0.00646	0.00939	0.00770	0.00448
3753273.10 |	0.00423	0.00459	0.00566	0.00943	0.00845	0.00713	0.00977	0.00825	0.00479
3753223.10 |	0.00858	0.00698	0.00733	0.00928	0.00903	0.00745	0.00977	0.00855	0.00496
3753173.10 |	0.01639	0.00973	0.00861	0.00950	0.00897	0.00726	0.00859	0.00813	0.00477

3753123.10 |	0.00556	0.00589	0.00710	0.00869	0.00852	0.00780	0.00787	0.00762	0.00449
3753073.10 |	0.00361	0.00435	0.00632	0.01089	0.00916	0.00729	0.00579	0.00437	0.00338
3753023.10 |	0.00281	0.00360	0.00537	0.00908	0.00638	0.00429	0.00326	0.00268	0.00229
3752973.10 |	0.00220	0.00270	0.00364	0.00556	0.00416	0.00284	0.00222	0.00187	0.00164
3752923.10 |	0.00160	0.00172	0.00171	0.00164	0.00134	0.00139	0.00122	0.00122	0.00115
3752873.10 |	0.00102	0.00093	0.00082	0.00082	0.00080	0.00083	0.00079	0.00081	0.00081
3752823.10 |	0.00067	0.00058	0.00053	0.00052	0.00054	0.00060	0.00056	0.00058	0.00060
3752773.10 |	0.00047	0.00041	0.00040	0.00040	0.00038	0.00040	0.00038	0.00043	0.00045
3752723.10 |	0.00034	0.00032	0.00031	0.00031	0.00029	0.00030	0.00029	0.00032	0.00036
3752673.10 |	0.00027	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00027	0.00027
3752623.10 |	0.00022	0.00020	0.00019	0.00021	0.00022	0.00021	0.00021	0.00021	0.00022
3752573.10 |	0.00018	0.00017	0.00016	0.00018	0.00019	0.00017	0.00018	0.00016	0.00017
3752523.10 |	0.00015	0.00015	0.00014	0.00015	0.00015	0.00013	0.00013	0.00012	0.00014
3752473.10 |	0.00012	0.00013	0.00012	0.00012	0.00011	0.00011	0.00011	0.00009	0.00011
3752423.10 |	0.00011	0.00010	0.00009	0.00010	0.00010	0.00008	0.00007	0.00007	0.00008
3752373.10 |	0.00009	0.00008	0.00008	0.00008	0.00008	0.00006	0.00005	0.00006	0.00007
3752323.10 |	0.00008	0.00007	0.00007	0.00007	0.00007	0.00005	0.00005	0.00005	0.00005
3752273.10 |	0.00006	0.00007	0.00006	0.00005	0.00005	0.00005	0.00004	0.00004	0.00004

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD (METERS) |	X-COORD (METERS) 471674.27	471724.27	471774.27	471824.27	471874.27	471924.27	471974.27	472024.27	472074.27
3754223.10 |	0.00013	0.00013	0.00012	0.00012	0.00011	0.00011	0.00011	0.00010	0.00010
3754173.10 |	0.00014	0.00013	0.00013	0.00013	0.00012	0.00012	0.00011	0.00011	0.00011
3754123.10 |	0.00015	0.00014	0.00014	0.00013	0.00013	0.00012	0.00012	0.00012	0.00011
3754073.10 |	0.00016	0.00015	0.00014	0.00014	0.00014	0.00013	0.00013	0.00012	0.00012
3754023.10 |	0.00016	0.00016	0.00015	0.00015	0.00015	0.00014	0.00014	0.00013	0.00013
3753973.10 |	0.00018	0.00017	0.00016	0.00016	0.00015	0.00015	0.00015	0.00014	0.00013
3753923.10 |	0.00019	0.00018	0.00018	0.00017	0.00016	0.00016	0.00016	0.00015	0.00014
3753873.10 |	0.00022	0.00021	0.00019	0.00018	0.00017	0.00017	0.00016	0.00015	0.00014
3753823.10 |	0.00024	0.00023	0.00022	0.00020	0.00019	0.00018	0.00017	0.00016	0.00015
3753773.10 |	0.00028	0.00026	0.00025	0.00023	0.00021	0.00019	0.00018	0.00017	0.00017
3753723.10 |	0.00033	0.00030	0.00028	0.00026	0.00024	0.00022	0.00020	0.00019	0.00018
3753673.10 |	0.00039	0.00035	0.00032	0.00030	0.00027	0.00024	0.00024	0.00022	0.00020
3753623.10 |	0.00048	0.00043	0.00037	0.00034	0.00031	0.00029	0.00028	0.00026	0.00023

3753573.10 |	0.00066	0.00056	0.00046	0.00042	0.00038	0.00034	0.00033	0.00031	0.00029
3753523.10 |	0.00090	0.00079	0.00064	0.00056	0.00049	0.00043	0.00040	0.00040	0.00036
3753473.10 |	0.00135	0.00108	0.00092	0.00080	0.00068	0.00057	0.00050	0.00049	0.00046
3753423.10 |	0.00216	0.00161	0.00132	0.00108	0.00088	0.00075	0.00066	0.00060	0.00057
3753373.10 |	0.00280	0.00209	0.00168	0.00135	0.00109	0.00096	0.00087	0.00073	0.00068
3753323.10 |	0.00315	0.00242	0.00193	0.00156	0.00128	0.00118	0.00103	0.00088	0.00078
3753273.10 |	0.00336	0.00261	0.00213	0.00175	0.00148	0.00132	0.00115	0.00099	0.00087
3753223.10 |	0.00352	0.00273	0.00223	0.00188	0.00161	0.00141	0.00124	0.00103	0.00092
3753173.10 |	0.00346	0.00272	0.00225	0.00190	0.00164	0.00143	0.00125	0.00105	0.00095
3753123.10 |	0.00326	0.00257	0.00212	0.00181	0.00157	0.00137	0.00120	0.00108	0.00098
3753073.10 |	0.00266	0.00221	0.00185	0.00158	0.00138	0.00123	0.00112	0.00102	0.00092
3753023.10 |	0.00199	0.00174	0.00154	0.00137	0.00123	0.00111	0.00100	0.00091	0.00083
3752973.10 |	0.00146	0.00132	0.00120	0.00110	0.00102	0.00094	0.00087	0.00080	0.00075
3752923.10 |	0.00105	0.00094	0.00089	0.00087	0.00081	0.00077	0.00072	0.00067	0.00064
3752873.10 |	0.00077	0.00070	0.00068	0.00068	0.00065	0.00062	0.00059	0.00055	0.00053
3752823.10 |	0.00058	0.00054	0.00052	0.00052	0.00050	0.00048	0.00048	0.00045	0.00044
3752773.10 |	0.00043	0.00042	0.00042	0.00040	0.00039	0.00039	0.00040	0.00037	0.00037
3752723.10 |	0.00034	0.00034	0.00033	0.00032	0.00032	0.00032	0.00033	0.00030	0.00031
3752673.10 |	0.00027	0.00026	0.00026	0.00027	0.00027	0.00027	0.00027	0.00025	0.00025
3752623.10 |	0.00021	0.00021	0.00022	0.00022	0.00023	0.00024	0.00023	0.00021	0.00021
3752573.10 |	0.00018	0.00018	0.00018	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
3752523.10 |	0.00016	0.00015	0.00015	0.00015	0.00014	0.00014	0.00016	0.00016	0.00016
3752473.10 |	0.00012	0.00012	0.00012	0.00012	0.00010	0.00010	0.00011	0.00013	0.00013
3752423.10 |	0.00010	0.00009	0.00010	0.00009	0.00008	0.00009	0.00009	0.00010	0.00012
3752373.10 |	0.00007	0.00007	0.00008	0.00009	0.00007	0.00007	0.00008	0.00009	0.00010
3752323.10 |	0.00005	0.00005	0.00005	0.00007	0.00006	0.00006	0.00006	0.00007	0.00008
3752273.10 |	0.00004	0.00004	0.00004	0.00006	0.00005	0.00005	0.00006	0.00005	0.00006

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD | (METERS) |	X-COORD (METERS) 472124.27	472174.27	472224.27	472274.27
3754223.10 |	0.00010	0.00009	0.00009	0.00009
3754173.10 |	0.00010	0.00010	0.00009	0.00009
3754123.10 |	0.00011	0.00010	0.00010	0.00009
3754073.10 |	0.00011	0.00011	0.00010	0.00009

3754023.10 |	0.00012	0.00011	0.00010	0.00010
3753973.10 |	0.00013	0.00012	0.00011	0.00011
3753923.10 |	0.00013	0.00012	0.00011	0.00011
3753873.10 |	0.00013	0.00013	0.00012	0.00011
3753823.10 |	0.00015	0.00013	0.00013	0.00012
3753773.10 |	0.00017	0.00016	0.00015	0.00014
3753723.10 |	0.00018	0.00018	0.00017	0.00016
3753673.10 |	0.00019	0.00019	0.00019	0.00018
3753623.10 |	0.00022	0.00021	0.00021	0.00021
3753573.10 |	0.00025	0.00024	0.00024	0.00024
3753523.10 |	0.00032	0.00029	0.00027	0.00027
3753473.10 |	0.00042	0.00037	0.00033	0.00032
3753423.10 |	0.00053	0.00047	0.00043	0.00038
3753373.10 |	0.00063	0.00057	0.00051	0.00045
3753323.10 |	0.00072	0.00066	0.00058	0.00052
3753273.10 |	0.00079	0.00071	0.00063	0.00056
3753223.10 |	0.00082	0.00074	0.00066	0.00062
3753173.10 |	0.00084	0.00075	0.00069	0.00065
3753123.10 |	0.00087	0.00075	0.00069	0.00065
3753073.10 |	0.00083	0.00074	0.00068	0.00063
3753023.10 |	0.00077	0.00072	0.00065	0.00059
3752973.10 |	0.00070	0.00065	0.00059	0.00054
3752923.10 |	0.00060	0.00057	0.00052	0.00049
3752873.10 |	0.00051	0.00049	0.00046	0.00044
3752823.10 |	0.00044	0.00042	0.00041	0.00039
3752773.10 |	0.00037	0.00036	0.00035	0.00034
3752723.10 |	0.00031	0.00031	0.00030	0.00030
3752673.10 |	0.00025	0.00025	0.00026	0.00025
3752623.10 |	0.00022	0.00022	0.00022	0.00022
3752573.10 |	0.00020	0.00020	0.00020	0.00020
3752523.10 |	0.00016	0.00017	0.00018	0.00018
3752473.10 |	0.00014	0.00014	0.00015	0.00015
3752423.10 |	0.00012	0.00013	0.00013	0.00013
3752373.10 |	0.00011	0.00012	0.00011	0.00011
3752323.10 |	0.00009	0.00010	0.00010	0.00010
3752273.10 |	0.00007	0.00008	0.00008	0.00009

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
471760.95	3752929.03	0.00093	471633.36	3752929.03	0.00118
471511.91	3752927.81	0.00133	471378.18	3752924.12	0.00165
471275.13	3752927.81	0.00182	471448.11	3752870.15	0.00079
471385.54	3752872.60	0.00081	471324.20	3752870.15	0.00079
471277.58	3752876.28	0.00095	471162.26	3752926.58	0.00147
471026.09	3752922.90	0.00121	471233.42	3752873.83	0.00102
471104.60	3752868.92	0.00093	471000.32	3752872.60	0.00089
470962.29	3752909.40	0.00103	470866.60	3752908.18	0.00094
470788.09	3752908.18	0.00089			

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

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

Y-COORD (METERS) |	X-COORD (METERS) 470324.27	470374.27	470424.27	470474.27	470524.27
3754223.1 |	0.00470 (16050106)	0.00477 (16031307)	0.00481 (16031307)	0.00481 (16031307)	0.00479 (16031307)
3754173.1 |	0.00507 (16050106)	0.00506 (16050106)	0.00507 (16031307)	0.00504 (16031307)	0.00492 (16031307)
3754123.1 |	0.00519 (15020119)	0.00527 (16050106)	0.00522 (16031307)	0.00518 (16031307)	0.00499 (16031307)
3754073.1 |	0.00539 (16040106)	0.00526 (15020119)	0.00524 (16050106)	0.00533 (16031307)	0.00566 (16031307)
3754023.1 |	0.00548 (15071405)	0.00540 (16040106)	0.00559 (16050106)	0.00585 (16050106)	0.00593 (16031307)
3753973.1 |	0.00579 (16011801)	0.00587 (15071405)	0.00600 (14120522)	0.00611 (16050106)	0.00618 (16031307)
3753923.1 |	0.00612 (14051623)	0.00618 (16011801)	0.00689 (16032107)	0.00633 (15020119)	0.00646 (16050106)
3753873.1 |	0.00639 (15040503)	0.00648 (14051623)	0.00905 (16052306)	0.00882 (16052306)	0.00735 (16032107)
3753823.1 |	0.00664 (14032805)	0.00806 (14082624)	0.01104 (16052306)	0.01053 (16050606)	0.00996 (16100305)
3753773.1 |	0.00697 (15092804)	0.01007 (15082206)	0.01214 (16052306)	0.01196 (16052306)	0.01128 (16050606)
3753723.1 |	0.00834 (16032107)	0.01161 (15080406)	0.01199 (16052306)	0.01287 (16052306)	0.01254 (16052306)
3753673.1 |	0.01193 (16032107)	0.01263 (16032107)	0.01297 (15080406)	0.01266 (15080406)	0.01290 (16052306)
3753623.1 |	0.01205 (14030324)	0.01261 (14091123)	0.01381 (16032107)	0.01398 (15080406)	0.01401 (15080406)
3753573.1 |	0.01289 (14110819)	0.01351 (14110819)	0.01378 (16100204)	0.01464 (16032107)	0.01552 (16032107)
3753523.1 |	0.01384 (16060405)	0.01424 (16101105)	0.01488 (14110819)	0.01525 (14110819)	0.01563 (16100204)
3753473.1 |	0.01463 (15100623)	0.01526 (16102923)	0.01582 (16060405)	0.01627 (16101105)	0.01710 (14110819)
3753423.1 |	0.01508 (14112820)	0.01595 (16012002)	0.01654 (16101403)	0.01712 (15100623)	0.01797 (16060405)
3753373.1 |	0.01784 (15071106)	0.01798 (15071106)	0.01748 (15071106)	0.01755 (14112820)	0.01855 (16012002)
3753323.1 |	0.01807 (15071106)	0.01947 (15071106)	0.02071 (15071106)	0.02120 (15071106)	0.02172 (15071106)

3753273.1 |	0.01712 (14081706)	0.01795 (14081706)	0.01850 (14081706)	0.01839 (14090506)	0.01943 (15071106)
3753223.1 |	0.01749 (14101107)	0.01899 (14101107)	0.01892 (14101107)	0.01515 (16032001)	0.01562 (16032001)
3753173.1 |	0.01717 (16050206)	0.01838 (16050206)	0.01670 (16050206)	0.01038 (14062105)	0.01135 (14062105)
3753123.1 |	0.01646 (15052003)	0.01812 (15052003)	0.01885 (16082806)	0.01487 (14111504)	0.01241 (14111504)
3753073.1 |	0.01518 (14072403)	0.01658 (15051105)	0.01875 (15051105)	0.02021 (14090903)	0.02101 (14090903)
3753023.1 |	0.01468 (14092203)	0.01651 (14083105)	0.01894 (14101007)	0.02107 (14101007)	0.02287 (14101007)
3752973.1 |	0.01467 (14101007)	0.01620 (14101007)	0.01697 (14101007)	0.01775 (14101007)	0.01952 (14072006)
3752923.1 |	0.01285 (14030601)	0.01385 (14072006)	0.01373 (14072006)	0.01491 (14072006)	0.01780 (14030523)
3752873.1 |	0.01147 (14072006)	0.01178 (15100124)	0.01247 (14093001)	0.01459 (16012001)	0.01721 (14080304)
3752823.1 |	0.01092 (14093001)	0.01146 (14072223)	0.01215 (15020503)	0.01331 (16101605)	0.01632 (15110407)
3752773.1 |	0.01086 (15092523)	0.01127 (14081005)	0.01182 (15082705)	0.01225 (16042323)	0.01485 (15081302)
3752723.1 |	0.01050 (16101605)	0.01092 (15082705)	0.01116 (16042323)	0.01155 (15091006)	0.01190 (16033122)
3752673.1 |	0.00937 (16042323)	0.01024 (15091006)	0.01063 (16033122)	0.01158 (15101923)	0.01212 (16100921)
3752623.1 |	0.00878 (16011506)	0.00981 (16033122)	0.01010 (14030606)	0.01041 (16100921)	0.01126 (15100521)
3752573.1 |	0.00810 (16083003)	0.00853 (15032003)	0.00887 (15091304)	0.00985 (15100521)	0.01008 (15100521)
3752523.1 |	0.00750 (15032003)	0.00782 (15091304)	0.00800 (16011904)	0.00849 (15051003)	0.00937 (15041004)
3752473.1 |	0.00729 (15091304)	0.00735 (16011904)	0.00746 (15051003)	0.00761 (15020720)	0.00899 (15041004)
3752423.1 |	0.00712 (16011904)	0.00724 (15051003)	0.00719 (15051003)	0.00759 (16032204)	0.00798 (15092503)
3752373.1 |	0.00678 (15051003)	0.00687 (15041024)	0.00722 (16032204)	0.00748 (15092503)	0.00771 (15040604)
3752323.1 |	0.00631 (15041024)	0.00681 (16032204)	0.00711 (16032204)	0.00820 (15092503)	0.00872 (16121022)
3752273.1 |	0.00634 (15090406)	0.00713 (16032204)	0.00699 (15092503)	0.00794 (14121102)	0.00857 (14101101)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	470574.27	470624.27	470674.27	470724.27	470774.27
3754223.1 |	0.00474 (15020620)	0.00465 (15020620)	0.00473 (15092002)	0.00477 (14092923)	0.00490 (16011223)
3754173.1 |	0.00480 (16031307)	0.00488 (15020620)	0.00501 (15020620)	0.00502 (15092002)	0.00505 (14092923)
3754123.1 |	0.00501 (16031307)	0.00512 (16031307)	0.00523 (16031307)	0.00532 (15020620)	0.00523 (15092002)
3754073.1 |	0.00559 (16031307)	0.00535 (16031307)	0.00561 (16031307)	0.00547 (16031307)	0.00557 (15020620)
3754023.1 |	0.00587 (16031307)	0.00585 (16031307)	0.00562 (16031307)	0.00572 (16031307)	0.00604 (16031307)
3753973.1 |	0.00624 (16031307)	0.00610 (16031307)	0.00591 (16031307)	0.00602 (16031307)	0.00631 (16031307)
3753923.1 |	0.00657 (16031307)	0.00645 (16031307)	0.00635 (16031307)	0.00638 (16031307)	0.00651 (16031307)
3753873.1 |	0.00686 (16050106)	0.00697 (16031307)	0.00679 (16031307)	0.00685 (14092923)	0.00674 (14102319)
3753823.1 |	0.00878 (16050106)	0.00738 (16031307)	0.00738 (16031307)	0.00732 (15020620)	0.00711 (14092923)
3753773.1 |	0.00807 (16032107)	0.00787 (16050106)	0.00796 (16031307)	0.00791 (16031307)	0.00780 (14092923)

3753723.1 |	0.00999 (16052306)	0.00828 (14120522)	0.00854 (16050106)	0.00865 (16031307)	0.00849 (15020620)
3753673.1 |	0.01141 (16052306)	0.01123 (16052306)	0.00911 (14120522)	0.00933 (16050106)	0.00938 (16031307)
3753623.1 |	0.01422 (16052306)	0.01317 (16052306)	0.00985 (15071405)	0.01013 (14120522)	0.01034 (16031307)
3753573.1 |	0.01555 (15080406)	0.01371 (15080406)	0.01090 (14051623)	0.01103 (15071405)	0.01130 (16050106)
3753523.1 |	0.01651 (16032107)	0.01688 (16032107)	0.01496 (16032107)	0.01303 (15030902)	0.01552 (16052306)
3753473.1 |	0.01757 (14110819)	0.01832 (16032107)	0.01853 (16032107)	0.01796 (16032107)	0.02013 (16052306)
3753423.1 |	0.01893 (16060405)	0.01996 (14110819)	0.02005 (14110819)	0.02105 (16032107)	0.02358 (15080406)
3753373.1 |	0.02052 (16101403)	0.02182 (15100623)	0.02254 (15073005)	0.02375 (16101105)	0.02513 (16100204)
3753323.1 |	0.02319 (15071106)	0.02415 (15071106)	0.02477 (15110306)	0.02732 (16101403)	0.02943 (16060405)
3753273.1 |	0.02348 (15071106)	0.02802 (15071106)	0.03102 (15071106)	0.03409 (15071106)	0.03581 (15071106)
3753223.1 |	0.02144 (14101107)	0.02498 (14101107)	0.02910 (14101107)	0.03316 (14101107)	0.03789 (14081706)
3753173.1 |	0.01652 (14062105)	0.02382 (16050206)	0.02902 (16050206)	0.03406 (16050206)	0.03868 (16050206)
3753123.1 |	0.01806 (14111504)	0.02478 (16102922)	0.02717 (16102922)	0.03219 (14090903)	0.03682 (14083105)
3753073.1 |	0.02184 (14083105)	0.02499 (14101007)	0.02843 (14101007)	0.03044 (14101007)	0.03229 (16081905)
3753023.1 |	0.02376 (14101007)	0.02405 (14072006)	0.02637 (14072006)	0.02771 (16032004)	0.02872 (14030502)
3752973.1 |	0.02125 (14072006)	0.02259 (16032004)	0.02396 (14010402)	0.02517 (14092504)	0.02579 (15110407)
3752923.1 |	0.01989 (14010402)	0.02127 (14080304)	0.02231 (15110407)	0.02262 (15082406)	0.02240 (14103106)
3752873.1 |	0.01891 (14092504)	0.01970 (15110407)	0.02015 (15082406)	0.01980 (16010820)	0.01978 (16060402)
3752823.1 |	0.01744 (15081302)	0.01792 (15082406)	0.01761 (16060402)	0.01779 (16060402)	0.01756 (16082303)
3752773.1 |	0.01591 (16121305)	0.01579 (16060402)	0.01606 (16060402)	0.01594 (14073105)	0.01548 (16121303)
3752723.1 |	0.01338 (16100921)	0.01407 (16060402)	0.01442 (14073105)	0.01430 (16121303)	0.01400 (14101101)
3752673.1 |	0.01311 (16060402)	0.01307 (14073105)	0.01316 (15071805)	0.01291 (16121022)	0.01273 (14101101)
3752623.1 |	0.01191 (14073105)	0.01162 (15071805)	0.01162 (15071805)	0.01181 (16121022)	0.01170 (14101101)
3752573.1 |	0.01087 (15071805)	0.01039 (15071805)	0.01078 (16121022)	0.01098 (14101101)	0.01109 (14101101)
3752523.1 |	0.01014 (15071805)	0.00958 (15092503)	0.00970 (14121102)	0.01041 (14101101)	0.01078 (14101101)
3752473.1 |	0.00907 (15092503)	0.00921 (14121102)	0.00940 (16121022)	0.00965 (14101101)	0.01051 (14101101)
3752423.1 |	0.00860 (15092503)	0.00936 (16121022)	0.00969 (14101101)	0.00990 (14101101)	0.01018 (15021921)
3752373.1 |	0.00822 (14121102)	0.00858 (15100302)	0.00948 (14101101)	0.00975 (15021921)	0.01014 (16082304)
3752323.1 |	0.00872 (16121022)	0.00846 (15100302)	0.00933 (16082304)	0.00964 (16082304)	0.01027 (16062606)
3752273.1 |	0.00892 (14101101)	0.00899 (16082304)	0.00927 (16082304)	0.00972 (16062606)	0.01020 (16062606)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	470824.27	470874.27	470924.27	470974.27	471024.27
3754223.1 |	0.00514 (14042005)	0.00526 (16031023)	0.00510 (15080906)	0.00499 (14032824)	0.00507 (16110523)

3754173.1 |	0.00519 (16011223)	0.00534 (14042005)	0.00541 (16031023)	0.00542 (15080906)	0.00543 (16110523)
3754123.1 |	0.00538 (14092923)	0.00550 (16011223)	0.00561 (14040404)	0.00564 (15080906)	0.00615 (15080906)
3754073.1 |	0.00584 (15092002)	0.00581 (14092923)	0.00588 (14042005)	0.00603 (16031023)	0.00659 (15080906)
3754023.1 |	0.00620 (15020620)	0.00631 (15092002)	0.00658 (14092923)	0.00648 (14042005)	0.00653 (16031023)
3753973.1 |	0.00649 (16031307)	0.00664 (15020620)	0.00684 (15092002)	0.00708 (16011223)	0.00694 (16031023)
3753923.1 |	0.00661 (16031307)	0.00675 (16031307)	0.00681 (15020620)	0.00695 (15092002)	0.00734 (16011223)
3753873.1 |	0.00674 (16050106)	0.00690 (16031307)	0.00698 (16031307)	0.00748 (15020620)	0.00794 (14092923)
3753823.1 |	0.00719 (16031023)	0.00732 (16050106)	0.00716 (16050106)	0.00777 (16031307)	0.00836 (15020620)
3753773.1 |	0.00773 (15080501)	0.00770 (15080906)	0.00770 (16050106)	0.00811 (16050106)	0.00883 (16031307)
3753723.1 |	0.00839 (16011223)	0.00833 (16031023)	0.00789 (16050606)	0.00847 (16050106)	0.00922 (16050106)
3753673.1 |	0.00922 (15092002)	0.00906 (15080501)	0.00855 (15080906)	0.00879 (16050606)	0.00971 (16050606)
3753623.1 |	0.01025 (16031307)	0.01004 (14092923)	0.00982 (15080906)	0.00983 (16032623)	0.01043 (16052306)
3753573.1 |	0.01149 (16031307)	0.01131 (15020620)	0.01104 (15080501)	0.01105 (16110523)	0.01094 (15091901)
3753523.1 |	0.01518 (16050606)	0.01306 (16031307)	0.01592 (14042706)	0.01518 (15071306)	0.01383 (15080406)
3753473.1 |	0.02099 (16052306)	0.01912 (16052106)	0.01785 (15071304)	0.01810 (15071306)	0.01817 (15071306)
3753423.1 |	0.02406 (16052306)	0.02410 (16052306)	0.02106 (15030901)	0.02045 (15071304)	0.02215 (15071306)
3753373.1 |	0.02736 (16032107)	0.02702 (15080406)	0.02887 (16052306)	0.02687 (16052306)	0.02178 (16031307)
3753323.1 |	0.03090 (16101105)	0.03211 (16032107)	0.03507 (16032107)	0.03354 (16052306)	0.03348 (16052306)
3753273.1 |	0.03657 (14112820)	0.03982 (16092303)	0.04290 (16060405)	0.04368 (14110819)	0.04424 (16032107)
3753223.1 |	0.04265 (14081706)	0.05072 (15071106)	0.06175 (15071106)	0.06397 (14072406)	0.06486 (14071206)
3753173.1 |	0.04508 (16050206)	0.05514 (14091124)	0.07064 (14072606)	0.10559 (14121219)	0.11247 (14101007)
3753123.1 |	0.04415 (14101007)	0.05126 (14101007)	0.05208 (16121101)	0.05428 (14030502)	0.05485 (14080304)
3753073.1 |	0.03572 (16032004)	0.03726 (14030502)	0.03859 (16083103)	0.03909 (15082406)	0.03863 (16060402)
3753023.1 |	0.02977 (14101823)	0.03008 (15082406)	0.02882 (14103106)	0.02874 (16082303)	0.02840 (16121303)
3752973.1 |	0.02580 (15082406)	0.02457 (16060402)	0.02395 (16082303)	0.02313 (14101101)	0.02068 (14101101)
3752923.1 |	0.02223 (16060402)	0.02154 (16082303)	0.01978 (14101101)	0.01965 (16062606)	0.01736 (16062606)
3752873.1 |	0.01931 (16082303)	0.01808 (14101101)	0.01716 (16062606)	0.01583 (16062606)	0.01570 (15061504)
3752823.1 |	0.01670 (16121303)	0.01575 (16062606)	0.01496 (16062606)	0.01382 (14071304)	0.01469 (14103106)
3752773.1 |	0.01483 (14101101)	0.01430 (16062606)	0.01316 (16111523)	0.01337 (16082303)	0.01478 (16082303)
3752723.1 |	0.01348 (16062606)	0.01264 (16062606)	0.01279 (16082303)	0.01355 (16082303)	0.01428 (16121303)
3752673.1 |	0.01241 (16062606)	0.01210 (16082303)	0.01271 (16121303)	0.01330 (16121303)	0.01408 (14101101)
3752623.1 |	0.01145 (16121303)	0.01198 (16121303)	0.01257 (14101101)	0.01340 (14101101)	0.01405 (16062606)
3752573.1 |	0.01125 (14101101)	0.01183 (14101101)	0.01242 (14101101)	0.01315 (16062606)	0.01424 (16062606)
3752523.1 |	0.01118 (14101101)	0.01162 (14101101)	0.01214 (16062606)	0.01314 (16062606)	0.01314 (16040804)
3752473.1 |	0.01085 (14101101)	0.01139 (16062606)	0.01237 (16062606)	0.01231 (16062606)	0.01254 (16040804)
3752423.1 |	0.01072 (16062606)	0.01167 (16062606)	0.01175 (16062606)	0.01154 (16040804)	0.01185 (16111523)
3752373.1 |	0.01091 (16062606)	0.01138 (16062606)	0.01109 (16040804)	0.01106 (16101404)	0.01136 (16111523)
3752323.1 |	0.01073 (16062606)	0.01068 (16040804)	0.01099 (16040804)	0.01130 (16111523)	0.01136 (16011922)
3752273.1 |	0.01004 (16062606)	0.01050 (16040804)	0.01074 (16101404)	0.01084 (16111523)	0.01060 (16011922)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

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

Y-COORD (METERS)	X-COORD (METERS) 471074.27	471124.27	471174.27	471224.27	471274.27
3754223.1	0.00540 (16032623)	0.00530 (16091724)	0.00528 (14010820)	0.00537 (14080404)	0.00543 (16102320)
3754173.1	0.00594 (16032623)	0.00581 (16091724)	0.00560 (14012523)	0.00566 (15091703)	0.00570 (16102320)
3754123.1	0.00641 (16110523)	0.00614 (16091724)	0.00587 (14101224)	0.00602 (15091703)	0.00610 (15083004)
3754073.1	0.00668 (14013002)	0.00651 (16032623)	0.00629 (16091724)	0.00629 (15091703)	0.00649 (15083004)
3754023.1	0.00711 (15080906)	0.00686 (16110523)	0.00678 (16091724)	0.00686 (14012523)	0.00681 (15083004)
3753973.1	0.00742 (15080906)	0.00796 (16110523)	0.00782 (16032623)	0.00726 (14012523)	0.00739 (15091703)
3753923.1	0.00763 (16031023)	0.00848 (15080906)	0.00869 (16110523)	0.00820 (16091724)	0.00829 (15091703)
3753873.1	0.00821 (15080501)	0.00860 (15080906)	0.00876 (16110523)	0.00906 (16032706)	0.00944 (15091703)
3753823.1	0.00876 (14092923)	0.00923 (16031023)	0.00953 (15080906)	0.00961 (16032623)	0.00955 (14012523)
3753773.1	0.00898 (15020620)	0.00904 (14092923)	0.00945 (16011003)	0.00964 (16110523)	0.00975 (14012523)
3753723.1	0.00957 (16031307)	0.00967 (14082703)	0.00982 (15080501)	0.01041 (16120702)	0.01055 (16081906)
3753673.1	0.01021 (16050106)	0.01050 (16031307)	0.01015 (14082703)	0.01045 (16011003)	0.01125 (16081906)
3753623.1	0.01051 (16050106)	0.01065 (16050106)	0.01090 (16031307)	0.01211 (15080501)	0.01235 (16081906)
3753573.1	0.01073 (16050606)	0.01142 (16050606)	0.01246 (16050106)	0.01330 (16031307)	0.01369 (16110523)
3753523.1	0.01244 (16042406)	0.01319 (16032107)	0.01375 (16050106)	0.01462 (16050106)	0.01456 (14101907)
3753473.1	0.01528 (15080406)	0.01444 (15071106)	0.01477 (16052306)	0.01558 (16050606)	0.01621 (15071306)
3753423.1	0.01693 (15071106)	0.01640 (16043024)	0.01666 (15090801)	0.01789 (16052306)	0.01882 (16052306)
3753373.1	0.01976 (16081906)	0.02003 (15071106)	0.02081 (15071106)	0.01942 (15011108)	0.02018 (16052306)
3753323.1	0.03114 (14042706)	0.02689 (15071306)	0.02543 (14081206)	0.02499 (15073006)	0.02500 (15072806)
3753273.1	0.03835 (16050606)	0.03587 (15071306)	0.03481 (15073006)	0.03561 (15072806)	0.03674 (14071306)
3753223.1	0.07133 (16030624)	0.06801 (16032107)	0.06277 (14071306)	0.06580 (15031924)	0.05834 (14021008)
3753173.1	0.11102 (14101007)	0.10015 (14072006)	0.09366 (14080406)	0.09576 (14080406)	0.06675 (16061724)
3753123.1	0.04857 (16100921)	0.04465 (15071805)	0.03948 (14071905)	0.04030 (15101323)	0.04071 (15082624)
3753073.1	0.03183 (15071805)	0.02754 (16062606)	0.02718 (15092201)	0.02775 (15091024)	0.02864 (14082923)
3753023.1	0.02267 (16121303)	0.02094 (15022204)	0.02147 (15092201)	0.02199 (14120605)	0.02697 (15092523)
3752973.1	0.01737 (16121108)	0.01737 (15080602)	0.01815 (15082705)	0.02181 (15082705)	0.02650 (16100921)
3752923.1	0.01636 (15061504)	0.01670 (14101101)	0.01980 (15082406)	0.02266 (16060402)	0.02826 (15071805)
3752873.1	0.01671 (15082406)	0.01821 (16082303)	0.02102 (16082303)	0.02444 (14101101)	0.02895 (16062606)
3752823.1	0.01617 (16082303)	0.01762 (15042224)	0.01970 (15021921)	0.02393 (16062606)	0.02478 (16011922)
3752773.1	0.01581 (16121303)	0.01704 (15021921)	0.01944 (16062606)	0.02097 (16040804)	0.02229 (14071304)
3752723.1	0.01542 (14101101)	0.01702 (16062606)	0.01787 (16040804)	0.01896 (16011922)	0.02006 (14071304)
3752673.1	0.01512 (16062606)	0.01585 (16062606)	0.01647 (16111523)	0.01754 (14071304)	0.01784 (15061504)
3752623.1	0.01478 (16062606)	0.01447 (16040804)	0.01519 (16011922)	0.01660 (14071304)	0.01502 (14020704)
3752573.1	0.01374 (16040804)	0.01352 (16111523)	0.01391 (14071304)	0.01464 (14071304)	0.01401 (15103120)
3752523.1	0.01331 (16101404)	0.01338 (16011922)	0.01321 (14071304)	0.01350 (15061504)	0.01362 (15103120)
3752473.1	0.01290 (16111523)	0.01271 (16011922)	0.01321 (14071304)	0.01177 (15061504)	0.01267 (15103120)
3752423.1	0.01223 (16011922)	0.01252 (14071304)	0.01256 (15061504)	0.01100 (14020704)	0.01060 (15081222)
3752373.1	0.01124 (16011922)	0.01097 (14071304)	0.01039 (15061504)	0.00931 (16121108)	0.01005 (15081222)
3752323.1	0.01085 (14071304)	0.00985 (14071304)	0.00821 (15061504)	0.00795 (15082503)	0.00944 (16081806)
3752273.1	0.01044 (14071304)	0.00893 (14071304)	0.00762 (15061504)	0.00740 (15081222)	0.00900 (16081806)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

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

Y-COORD (METERS)	X-COORD (METERS) 471324.27	471374.27	471424.27	471474.27	471524.27
3754223.1	0.00556 (14041205)	0.00581 (15100102)	0.00616 (15071203)	0.00649 (14040405)	0.00656 (14082901)
3754173.1	0.00584 (15090624)	0.00599 (15100102)	0.00614 (15071203)	0.00639 (14040405)	0.00663 (14082901)
3754123.1	0.00619 (15090624)	0.00632 (15100102)	0.00640 (15071204)	0.00657 (14040405)	0.00683 (14082901)
3754073.1	0.00656 (15090624)	0.00671 (15100102)	0.00677 (15071204)	0.00690 (14040405)	0.00706 (15110301)
3754023.1	0.00700 (15090624)	0.00717 (15100102)	0.00725 (15071204)	0.00732 (14040405)	0.00742 (15110301)
3753973.1	0.00749 (16102320)	0.00769 (15100102)	0.00779 (15071204)	0.00787 (14040405)	0.00791 (15110301)
3753923.1	0.00818 (15083004)	0.00829 (15100102)	0.00845 (15071204)	0.00848 (14040405)	0.00850 (15110301)
3753873.1	0.00900 (15083004)	0.00891 (15100102)	0.00895 (15071204)	0.00900 (14040405)	0.00912 (15110301)
3753823.1	0.00956 (15083004)	0.00944 (15100102)	0.00966 (15071204)	0.00987 (14031923)	0.00992 (14060604)
3753773.1	0.01034 (15083004)	0.01087 (15100102)	0.01078 (14091101)	0.01092 (14031923)	0.01105 (14060604)
3753723.1	0.01118 (15083004)	0.01210 (15100102)	0.01219 (14040405)	0.01211 (15110301)	0.01219 (14072905)
3753673.1	0.01217 (15083004)	0.01323 (15100102)	0.01442 (14040405)	0.01362 (14072905)	0.01340 (16081802)
3753623.1	0.01335 (15083004)	0.01552 (15100102)	0.01727 (14111405)	0.01559 (15092824)	0.01488 (14042003)
3753573.1	0.01532 (15091703)	0.01948 (15100102)	0.02296 (16012308)	0.02028 (15091703)	0.01852 (15071204)
3753523.1	0.01851 (15091901)	0.02704 (15100102)	0.03125 (14060604)	0.02700 (16091724)	0.02872 (15100102)
3753473.1	0.02077 (16081906)	0.03348 (15100102)	0.04161 (16081802)	0.03646 (15072806)	0.04090 (15090624)
3753423.1	0.02339 (14101907)	0.03931 (14032304)	0.03901 (14060406)	0.03445 (14060406)	0.04242 (15082306)
3753373.1	0.02558 (16052306)	0.04652 (14032304)	0.03771 (14062106)	0.03374 (14071306)	0.04610 (15102001)
3753323.1	0.02648 (15071106)	0.05149 (15092801)	0.04389 (14071306)	0.03564 (14082105)	0.04737 (14102007)
3753273.1	0.03369 (14071306)	0.06051 (16042406)	0.04783 (14021008)	0.03835 (14021008)	0.04759 (15071306)
3753223.1	0.04439 (15010917)	0.05531 (15092801)	0.05022 (15101807)	0.03946 (15101807)	0.04740 (15061504)
3753173.1	0.04802 (15080302)	0.05659 (15092801)	0.04797 (14101001)	0.03655 (15032924)	0.04680 (15082503)
3753123.1	0.03845 (14092524)	0.06096 (16042406)	0.04687 (15073006)	0.04038 (14060406)	0.03936 (15103120)
3753073.1	0.03855 (14101007)	0.06295 (15103120)	0.04762 (15081223)	0.04254 (16083106)	0.04175 (15091702)
3753023.1	0.03790 (16100921)	0.07371 (16122308)	0.04137 (15082624)	0.03282 (14070501)	0.03114 (15080602)
3752973.1	0.03804 (16013108)	0.07552 (16122308)	0.03990 (15030101)	0.03107 (15091924)	0.02599 (15082624)
3752923.1	0.03790 (16062606)	0.04813 (16013023)	0.03167 (16082502)	0.02603 (16011524)	0.02482 (15022204)
3752873.1	0.03338 (14071304)	0.04057 (15022204)	0.03059 (15012022)	0.02070 (15103120)	0.02122 (15022204)
3752823.1	0.02673 (15061504)	0.03205 (15022204)	0.02850 (14030524)	0.01950 (14122017)	0.01878 (15113017)
3752773.1	0.02474 (15103120)	0.02687 (15022204)	0.02430 (14030524)	0.02088 (15083104)	0.01718 (15100522)
3752723.1	0.02187 (15103120)	0.02309 (15022204)	0.02120 (15022022)	0.01884 (15083104)	0.01587 (15100522)
3752673.1	0.01890 (15103120)	0.01987 (15022204)	0.01955 (15022022)	0.01755 (16011002)	0.01555 (14101805)
3752623.1	0.01643 (15081222)	0.01791 (15022204)	0.01779 (15022022)	0.01601 (16011002)	0.01492 (16120606)

3752573.1 |	0.01516 (16081806)	0.01616 (15022204)	0.01619 (14020724)	0.01463 (15012022)	0.01411 (15083104)
3752523.1 |	0.01416 (16081806)	0.01485 (14081601)	0.01432 (14012221)	0.01272 (14012622)	0.01135 (15083104)
3752473.1 |	0.01323 (16081806)	0.01299 (14081601)	0.01227 (14012221)	0.01104 (14012622)	0.01018 (14012622)
3752423.1 |	0.01086 (16081806)	0.01145 (14081601)	0.01153 (14012221)	0.00896 (16071101)	0.00673 (14012622)
3752373.1 |	0.00985 (16081806)	0.00904 (16081806)	0.01013 (14012221)	0.00727 (16071101)	0.00530 (14012622)
3752323.1 |	0.00989 (16081806)	0.00786 (16081806)	0.00839 (14012221)	0.00627 (16071101)	0.00521 (16071101)
3752273.1 |	0.00808 (16081806)	0.00644 (16081806)	0.00620 (14012221)	0.00621 (16071101)	0.00467 (16071101)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	471574.27	471624.27	471674.27	471724.27	471774.27
- - -

3753023.1 |	0.02983 (15081802)	0.02492 (14081303)	0.02289 (15081706)	0.02082 (15081706)	0.01890 (14080406)
3752973.1 |	0.02360 (14082004)	0.02098 (16082505)	0.01962 (14071906)	0.01839 (14102022)	0.01719 (14081303)
3752923.1 |	0.02075 (16040722)	0.01889 (15071124)	0.01732 (16121206)	0.01734 (15093021)	0.01551 (15113017)
3752873.1 |	0.01947 (14030524)	0.01718 (15091022)	0.01583 (16040722)	0.01644 (15093021)	0.01504 (14080704)
3752823.1 |	0.01841 (14030524)	0.01514 (14102623)	0.01435 (14092422)	0.01543 (15091124)	0.01443 (15093021)
3752773.1 |	0.01646 (14030524)	0.01600 (15083104)	0.01527 (15100522)	0.01452 (15082403)	0.01378 (15093021)
3752723.1 |	0.01491 (15022022)	0.01490 (15083104)	0.01418 (15100522)	0.01364 (16032023)	0.01318 (15091124)
3752673.1 |	0.01429 (15100522)	0.01374 (15083104)	0.01357 (15113017)	0.01381 (14071905)	0.01341 (14082923)
3752623.1 |	0.01346 (15100522)	0.01261 (16011002)	0.01255 (14111824)	0.01247 (14071905)	0.01287 (14071905)
3752573.1 |	0.01175 (14030303)	0.01173 (15100522)	0.01166 (16120606)	0.01163 (15113017)	0.01156 (14071905)
3752523.1 |	0.00961 (14012622)	0.01052 (15100522)	0.01089 (15100522)	0.01072 (14072702)	0.01076 (15113017)
3752473.1 |	0.00784 (14012622)	0.00932 (15100522)	0.00945 (15100522)	0.00939 (15080424)	0.00977 (14061703)
3752423.1 |	0.00693 (14012622)	0.00728 (14012622)	0.00884 (15100522)	0.00788 (15080424)	0.00853 (15080424)
3752373.1 |	0.00635 (14012622)	0.00603 (14012622)	0.00606 (15080424)	0.00670 (15080424)	0.00733 (15080424)
3752323.1 |	0.00530 (14012622)	0.00501 (14012622)	0.00454 (15080424)	0.00517 (15080424)	0.00517 (15080424)
3752273.1 |	0.00473 (14012622)	0.00459 (14012622)	0.00340 (14053103)	0.00409 (15080424)	0.00475 (15080424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	471824.27	471874.27	471924.27	471974.27	472024.27
3754223.1 |	0.00648 (14121619)	0.00643 (15032023)	0.00636 (16040524)	0.00628 (14081206)	0.00613 (14060102)
3754173.1 |	0.00668 (14101122)	0.00661 (15082804)	0.00659 (16040524)	0.00647 (14081206)	0.00635 (14032105)
3754123.1 |	0.00692 (15032023)	0.00686 (15082804)	0.00679 (14081206)	0.00668 (14032206)	0.00660 (14083104)
3754073.1 |	0.00698 (15082804)	0.00717 (16040524)	0.00703 (14081206)	0.00692 (14032105)	0.00684 (15082006)
3754023.1 |	0.00731 (15082804)	0.00738 (14081206)	0.00723 (16041224)	0.00719 (15082006)	0.00707 (14081603)
3753973.1 |	0.00757 (16040524)	0.00741 (14081206)	0.00732 (14083104)	0.00748 (15082006)	0.00738 (15072806)
3753923.1 |	0.00790 (14081206)	0.00759 (15080324)	0.00781 (15082006)	0.00786 (15072806)	0.00772 (15072806)
3753873.1 |	0.00819 (14081206)	0.00797 (15082006)	0.00784 (15072806)	0.00783 (15072806)	0.00771 (15091003)
3753823.1 |	0.00867 (15080324)	0.00833 (15082006)	0.00824 (15072806)	0.00797 (15091003)	0.00775 (16022721)
3753773.1 |	0.00935 (15082006)	0.00904 (15072806)	0.00866 (15091003)	0.00834 (16022721)	0.00816 (14030602)
3753723.1 |	0.01018 (15072806)	0.00973 (15091003)	0.00920 (16022721)	0.00895 (14030602)	0.00863 (16010324)
3753673.1 |	0.01114 (16022721)	0.01042 (14030602)	0.00997 (16010324)	0.00998 (15020524)	0.00965 (14083101)
3753623.1 |	0.01209 (14030602)	0.01149 (15020524)	0.01082 (14083101)	0.01095 (14083101)	0.01020 (15081005)
3753573.1 |	0.01333 (14083101)	0.01245 (14101102)	0.01160 (15081005)	0.01137 (16121419)	0.01076 (14101022)
3753523.1 |	0.01516 (15081005)	0.01366 (16121419)	0.01223 (14101022)	0.01152 (15051301)	0.01169 (14122920)

3753473.1 |	0.01701 (15051301)	0.01496 (14122920)	0.01296 (14122920)	0.01169 (15091404)	0.01181 (15091404)
3753423.1 |	0.01797 (15091404)	0.01534 (15042306)	0.01360 (14121103)	0.01249 (14021008)	0.01175 (14021008)
3753373.1 |	0.01851 (14021008)	0.01562 (14021008)	0.01459 (14030422)	0.01389 (14053124)	0.01208 (14053124)
3753323.1 |	0.01841 (16062702)	0.01593 (16062702)	0.01583 (16062702)	0.01444 (16062702)	0.01258 (16062702)
3753273.1 |	0.01925 (14090605)	0.01696 (14090605)	0.01628 (14090605)	0.01472 (14101402)	0.01290 (14101402)
3753223.1 |	0.01963 (14062202)	0.01773 (14062202)	0.01636 (14062202)	0.01490 (14062202)	0.01263 (14062202)
3753173.1 |	0.01940 (16041324)	0.01762 (16041324)	0.01613 (15022103)	0.01461 (15022103)	0.01246 (15022103)
3753123.1 |	0.01878 (15080302)	0.01715 (15080302)	0.01558 (15080302)	0.01398 (15080302)	0.01307 (15080302)
3753073.1 |	0.01747 (14052604)	0.01573 (16061724)	0.01463 (16061724)	0.01380 (16061724)	0.01296 (16061724)
3753023.1 |	0.01724 (14080406)	0.01580 (14080406)	0.01459 (15083024)	0.01341 (14052604)	0.01238 (14052604)
3752973.1 |	0.01599 (14062505)	0.01495 (15081706)	0.01387 (15081706)	0.01293 (15061004)	0.01216 (14060302)
3752923.1 |	0.01461 (14102022)	0.01383 (14102022)	0.01307 (14081303)	0.01233 (14081303)	0.01211 (14081303)
3752873.1 |	0.01336 (16121206)	0.01260 (14080903)	0.01209 (14071906)	0.01159 (14102022)	0.01134 (15011018)
3752823.1 |	0.01328 (14080704)	0.01235 (15113017)	0.01182 (14071905)	0.01077 (14080903)	0.01207 (16013021)
3752773.1 |	0.01311 (15092123)	0.01258 (15082624)	0.01171 (15082624)	0.01014 (14062805)	0.01149 (16030504)
3752723.1 |	0.01329 (15081903)	0.01295 (15101323)	0.01115 (15113017)	0.01033 (14071905)	0.01207 (14111506)
3752673.1 |	0.01246 (15030101)	0.01182 (15081903)	0.01079 (14080704)	0.01030 (15113017)	0.01215 (14050902)
3752623.1 |	0.01240 (14082923)	0.01136 (15030101)	0.01046 (14080704)	0.00996 (15113017)	0.01146 (14072603)
3752573.1 |	0.01172 (14071905)	0.01150 (14082923)	0.01089 (15030101)	0.01039 (15102121)	0.01036 (16092203)
3752523.1 |	0.01069 (14071905)	0.01079 (15091823)	0.01055 (15091823)	0.01063 (16092124)	0.01015 (16092124)
3752473.1 |	0.00966 (14060203)	0.00868 (16040324)	0.00881 (16042401)	0.00942 (16092124)	0.01004 (16092124)
3752423.1 |	0.00801 (14060203)	0.00786 (14060203)	0.00805 (16040324)	0.00813 (16042401)	0.00903 (16042401)
3752373.1 |	0.00813 (15080424)	0.00719 (14060203)	0.00724 (14060203)	0.00769 (16040324)	0.00824 (16042401)
3752323.1 |	0.00707 (15080424)	0.00626 (14061703)	0.00656 (14060203)	0.00668 (14060203)	0.00748 (16040324)
3752273.1 |	0.00603 (15080424)	0.00559 (15080424)	0.00562 (14061703)	0.00616 (14060203)	0.00585 (16040324)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	472074.27	472124.27	472174.27	472224.27	472274.27
3754223.1 |	0.00606 (14032105)	0.00598 (15082006)	0.00589 (14081603)	0.00572 (16102805)	0.00568 (15072806)
3754173.1 |	0.00629 (14083104)	0.00619 (14081603)	0.00602 (15082801)	0.00595 (15072806)	0.00588 (14070601)
3754123.1 |	0.00647 (14081603)	0.00634 (15082801)	0.00628 (15072806)	0.00611 (14070601)	0.00597 (15080404)
3754073.1 |	0.00667 (15082801)	0.00664 (15072806)	0.00647 (15072806)	0.00614 (15080404)	0.00594 (15080404)
3754023.1 |	0.00697 (15072806)	0.00691 (15072806)	0.00656 (15080404)	0.00626 (15080404)	0.00595 (15092304)
3753973.1 |	0.00729 (15072806)	0.00710 (15080404)	0.00694 (15080404)	0.00637 (14111005)	0.00636 (15100622)

3753923.1 |	0.00743 (15080404)	0.00713 (15080404)	0.00701 (16022721)	0.00649 (15100622)	0.00655 (14030602)
3753873.1 |	0.00737 (15092304)	0.00705 (16022721)	0.00697 (14030602)	0.00669 (14030602)	0.00649 (16010324)
3753823.1 |	0.00754 (15100622)	0.00784 (14030602)	0.00717 (16010324)	0.00693 (15020524)	0.00669 (15090203)
3753773.1 |	0.00831 (14030602)	0.00842 (15020524)	0.00829 (15020524)	0.00769 (14083101)	0.00728 (14083101)
3753723.1 |	0.00837 (15020524)	0.00874 (14083101)	0.00895 (14083101)	0.00848 (15081005)	0.00783 (15081005)
3753673.1 |	0.00873 (14083101)	0.00875 (15081005)	0.00889 (15081005)	0.00879 (16121419)	0.00837 (14021922)
3753623.1 |	0.00908 (15081005)	0.00868 (16121419)	0.00862 (14101022)	0.00870 (14101022)	0.00858 (15041901)
3753573.1 |	0.01010 (14101022)	0.00889 (15051301)	0.00848 (14122920)	0.00845 (14122920)	0.00849 (15091404)
3753523.1 |	0.01071 (14122920)	0.00959 (15091404)	0.00869 (15091404)	0.00827 (15042306)	0.00824 (15042306)
3753473.1 |	0.01129 (15042306)	0.01051 (14121103)	0.00928 (14021008)	0.00846 (14021008)	0.00807 (14021008)
3753423.1 |	0.01164 (14021008)	0.01115 (14021008)	0.00999 (14030422)	0.00916 (14053124)	0.00828 (14053124)
3753373.1 |	0.01163 (14053124)	0.01125 (16062702)	0.01044 (16062702)	0.00957 (16062702)	0.00856 (16062702)
3753323.1 |	0.01172 (14090605)	0.01120 (14090605)	0.01061 (14090605)	0.00961 (14090605)	0.00863 (14090605)
3753273.1 |	0.01173 (14073104)	0.01109 (14073104)	0.01040 (14073104)	0.00939 (14073104)	0.00857 (14073104)
3753223.1 |	0.01161 (15072804)	0.01067 (16050805)	0.00987 (16050805)	0.00905 (16120623)	0.00886 (16120623)
3753173.1 |	0.01171 (15022103)	0.01061 (15022103)	0.00976 (15022103)	0.00921 (15022103)	0.00891 (15022103)
3753123.1 |	0.01220 (16011618)	0.01101 (16011618)	0.00969 (16011618)	0.00922 (16011618)	0.00888 (16011618)
3753073.1 |	0.01205 (16061724)	0.01096 (16061724)	0.00994 (16061724)	0.00942 (16061724)	0.00891 (15080302)
3753023.1 |	0.01161 (14052604)	0.01087 (14052604)	0.01041 (14052604)	0.00955 (14052604)	0.00872 (16071302)
3752973.1 |	0.01142 (14060302)	0.01080 (15080304)	0.01014 (15083024)	0.00930 (15083024)	0.00862 (15083024)
3752923.1 |	0.01099 (15081706)	0.01034 (16062805)	0.00982 (15061004)	0.00895 (15061004)	0.00841 (14060302)
3752873.1 |	0.01113 (14092524)	0.00998 (14081303)	0.00948 (14062505)	0.00899 (15081706)	0.00848 (15081706)
3752823.1 |	0.01022 (16082505)	0.00958 (14102022)	0.00920 (14102022)	0.00878 (14081303)	0.00832 (14081303)
3752773.1 |	0.00987 (16092203)	0.00901 (14080903)	0.00872 (16050705)	0.00841 (14071906)	0.00811 (14102022)
3752723.1 |	0.00956 (16092203)	0.00855 (16121206)	0.00829 (16121206)	0.00805 (14080903)	0.00777 (14080903)
3752673.1 |	0.01144 (14111506)	0.01115 (14111506)	0.00988 (15082624)	0.00777 (14062805)	0.00752 (16121206)
3752623.1 |	0.01111 (16053105)	0.01021 (16032702)	0.00972 (14050902)	0.00850 (15092123)	0.00786 (15101323)
3752573.1 |	0.01004 (16092203)	0.00872 (14071905)	0.00728 (15091022)	0.00708 (15091022)	0.00694 (16040722)
3752523.1 |	0.01035 (16092203)	0.00994 (16092203)	0.00907 (16092203)	0.00766 (14082923)	0.00670 (15091022)
3752473.1 |	0.00987 (16092124)	0.00983 (16092203)	0.00970 (16092203)	0.00901 (16092203)	0.00762 (14082923)
3752423.1 |	0.00944 (16092124)	0.00936 (16092124)	0.00891 (16092124)	0.00863 (16092203)	0.00851 (16092203)
3752373.1 |	0.00907 (15091823)	0.00889 (15091823)	0.00852 (15091823)	0.00850 (16092124)	0.00855 (16092203)
3752323.1 |	0.00805 (15091823)	0.00847 (15091823)	0.00850 (15091823)	0.00843 (16092124)	0.00834 (16092124)
3752273.1 |	0.00632 (16040324)	0.00719 (16040324)	0.00789 (15091823)	0.00796 (15091823)	0.00810 (16092124)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

- - - -

3753173.1 |	0.00208 (14121424)	0.00218 (14121424)	0.00206 (14121424)	0.00157 (16122824)	0.00174 (16122824)
3753123.1 |	0.00194 (16112324)	0.00209 (16112324)	0.00210 (14010624)	0.00191 (14010624)	0.00190 (14010624)
3753073.1 |	0.00206 (14010624)	0.00227 (14010624)	0.00256 (14010624)	0.00277 (14010624)	0.00297 (14010624)
3753023.1 |	0.00205 (14010624)	0.00222 (14010624)	0.00237 (14010624)	0.00270 (16012024)	0.00308 (16012024)
3752973.1 |	0.00207 (16012024)	0.00233 (16012024)	0.00259 (16012024)	0.00288 (16012024)	0.00326 (14010424)
3752923.1 |	0.00217 (16012024)	0.00239 (14010424)	0.00260 (14010424)	0.00291 (14010424)	0.00337 (14010424)
3752873.1 |	0.00221 (14010424)	0.00241 (14010424)	0.00260 (14010424)	0.00292 (14010424)	0.00321 (14010424)
3752823.1 |	0.00223 (14010424)	0.00236 (14010424)	0.00248 (14010424)	0.00260 (14010424)	0.00276 (14010424)
3752773.1 |	0.00216 (14010424)	0.00221 (14010424)	0.00222 (14010424)	0.00218 (14010424)	0.00237m(16123124)
3752723.1 |	0.00194 (14010424)	0.00192 (14010424)	0.00187 (14010424)	0.00196m(16123124)	0.00207m(16123124)
3752673.1 |	0.00158 (14010424)	0.00162m(16123124)	0.00172m(16123124)	0.00186 (14012024)	0.00198 (14012024)
3752623.1 |	0.00140m(16123124)	0.00154 (14012024)	0.00166 (14012024)	0.00174 (14012024)	0.00184 (14012024)
3752573.1 |	0.00136 (14012024)	0.00146 (14012024)	0.00153 (14012024)	0.00162 (14012024)	0.00164 (14012024)
3752523.1 |	0.00131 (14012024)	0.00137 (14012024)	0.00139 (14012024)	0.00141 (14012024)	0.00147 (15112624)
3752473.1 |	0.00125 (14012024)	0.00127 (14012024)	0.00126 (14012024)	0.00129 (15112624)	0.00141 (15112624)
3752423.1 |	0.00118 (14012024)	0.00117 (14012024)	0.00118 (15112624)	0.00124 (15112624)	0.00130 (15112624)
3752373.1 |	0.00108 (14012024)	0.00108 (15112624)	0.00114 (15112624)	0.00118 (15112624)	0.00121 (15112624)
3752323.1 |	0.00099 (15112624)	0.00105 (15112624)	0.00109 (15112624)	0.00116 (15112624)	0.00119 (15112624)
3752273.1 |	0.00096 (15112624)	0.00103 (15112624)	0.00103 (15112624)	0.00108 (15112624)	0.00110 (15112624)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	470574.27	470624.27	470674.27	470724.27	470774.27
- - -

3753623.1 | 0.00208 (15092924) 0.00217 (15092924) 0.00226 (15092924) 0.00233 (15092924) 0.00253 (15092924)

3753573.1 | 0.00245 (15092924) 0.00246 (15092924) 0.00241 (15092924) 0.00251 (15092924) 0.00270 (15092924)

3753523.1 | 0.00285 (15092924) 0.00290 (15092924) 0.00288 (15092924) 0.00286 (15092924) 0.00307 (15030924)

3753473.1 | 0.00291 (15092924) 0.00324 (15092924) 0.00341 (15092924) 0.00348 (15092924) 0.00350 (15092924)

3753423.1 | 0.00269 (16092324) 0.00303 (15092924) 0.00357 (15092924) 0.00405 (15092924) 0.00418 (15092924)

3753373.1 | 0.00340m(14041424) 0.00364m(14041424) 0.00361m(14041424) 0.00387 (15092924) 0.00473 (15092924)

3753323.1 | 0.00303m(14041424) 0.00377m(14041424) 0.00436m(14041424) 0.00483m(14041424) 0.00489m(14041424)

3753273.1 | 0.00294 (14072424) 0.00364 (14072424) 0.00408 (14072424) 0.00442 (14072424) 0.00550m(14041424)

3753223.1 | 0.00245 (14121424) 0.00282 (14121424) 0.00354 (14072424) 0.00440 (14072424) 0.00542 (14072424)

3753173.1 | 0.00220 (16122824) 0.00309 (14121424) 0.00380 (14121424) 0.00458 (14121424) 0.00544 (14121424)

3753123.1 | 0.00264 (14010624) 0.00349 (14010624) 0.00409 (14010624) 0.00489 (14010624) 0.00574 (14010624)

3753073.1 | 0.00315 (14010624) 0.00341 (14010624) 0.00399 (16012024) 0.00475 (16012024) 0.00589 (14010424)

3753023.1 | 0.00350 (16012024) 0.00394 (14010424) 0.00462 (14010424) 0.00514 (14010424) 0.00542 (14010424)

3752973.1 | 0.00372 (14010424) 0.00416 (14010424) 0.00448 (14010424) 0.00440 (14010424) 0.00430m(16123124)

3752923.1 | 0.00368 (14010424) 0.00378 (14010424) 0.00365 (14010424) 0.00379m(16123124) 0.00415m(16123124)

3752873.1 | 0.00321 (14010424) 0.00304m(16123124) 0.00335m(16123124) 0.00360m(16123124) 0.00376m(16123124)

3752823.1 | 0.00273m(16123124) 0.00292m(16123124) 0.00306m(16123124) 0.00316m(16123124) 0.00320m(16123124)

3752773.1 | 0.00251m(16123124) 0.00259m(16123124) 0.00264m(16123124) 0.00267m(16123124) 0.00272 (14080324)

3752723.1 | 0.00222m(16123124) 0.00231 (14012024) 0.00234 (14080324) 0.00245 (14080324) 0.00243 (14080324)

3752673.1 | 0.00208 (14012024) 0.00206 (14080324) 0.00216 (14080324) 0.00217 (14080324) 0.00219 (15112624)

3752623.1 | 0.00185 (14012024) 0.00187 (14080324) 0.00192 (15112624) 0.00200 (15112624) 0.00198 (15112624)

3752573.1 | 0.00167 (14080324) 0.00171 (15112624) 0.00179 (15112624) 0.00182 (15112624) 0.00179 (15112624)

3752523.1 | 0.00157 (15112624) 0.00159 (15112624) 0.00161 (15112624) 0.00164 (15112624) 0.00158 (15112624)

3752473.1 | 0.00146 (15112624) 0.00147 (15112624) 0.00147 (15112624) 0.00145 (15112624) 0.00139 (15112624)

3752423.1 | 0.00134 (15112624) 0.00138 (15112624) 0.00136 (15112624) 0.00130 (15112624) 0.00120 (15112624)

3752373.1 | 0.00123 (15112624) 0.00123 (15112624) 0.00121 (15112624) 0.00112 (15112624) 0.00110 (14020624)

3752323.1 | 0.00117 (15112624) 0.00112 (15112624) 0.00106 (15112624) 0.00102 (16012024) 0.00104 (16123024)

3752273.1 | 0.00107 (15112624) 0.00100 (15112624) 0.00096 (16012024) 0.00096 (16123024) 0.00100 (16123024)

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

INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD | X-COORD (METERS)

(METERS) | 470824.27 470874.27 470924.27 470974.27 471024.27

- - - -

3754073.1 |	0.00098 (15010924)	0.00099 (15010924)	0.00100 (15010924)	0.00102 (15011124)	0.00107 (15011124)
3754023.1 |	0.00107 (14102024)	0.00113 (15010924)	0.00121 (15010924)	0.00119 (15010924)	0.00113 (15010924)
3753973.1 |	0.00116 (14102024)	0.00122 (15010924)	0.00133 (15010924)	0.00141 (15010924)	0.00134 (15010924)
3753923.1 |	0.00123 (14102024)	0.00124 (15010924)	0.00136 (15010924)	0.00147 (15010924)	0.00156 (15010924)
3753873.1 |	0.00137 (15092924)	0.00133 (14102024)	0.00139 (15010924)	0.00163 (15010924)	0.00180 (15010924)
3753823.1 |	0.00169 (15092924)	0.00156 (15092924)	0.00142 (15010924)	0.00170 (15010924)	0.00198 (15010924)
3753773.1 |	0.00206 (15092924)	0.00193 (15092924)	0.00174 (15092924)	0.00177 (15010924)	0.00210 (15010924)
3753723.1 |	0.00231 (15092924)	0.00226 (15092924)	0.00210 (15092924)	0.00203 (15092924)	0.00223 (15010924)
3753673.1 |	0.00254 (15092924)	0.00253 (15092924)	0.00242 (15092924)	0.00242 (15092924)	0.00248 (15092924)
3753623.1 |	0.00270 (15092924)	0.00280 (15092924)	0.00278 (15092924)	0.00282 (15092924)	0.00288 (15092924)
3753573.1 |	0.00291 (15092924)	0.00303 (15092924)	0.00311 (15092924)	0.00315 (15092924)	0.00318 (15092924)
3753523.1 |	0.00326 (15092924)	0.00330 (15092924)	0.00378 (15092924)	0.00384 (15092924)	0.00370 (15092924)
3753473.1 |	0.00388 (15030924)	0.00400 (15030924)	0.00380 (15092924)	0.00385 (15092924)	0.00404 (15092924)
3753423.1 |	0.00428 (15092924)	0.00447 (15030924)	0.00437 (15092924)	0.00444 (15092924)	0.00469 (15092924)
3753373.1 |	0.00528 (15092924)	0.00559 (15092924)	0.00580 (15092924)	0.00583 (15092924)	0.00563 (15092924)
3753323.1 |	0.00550 (15092924)	0.00679 (15092924)	0.00801 (15092924)	0.00844 (15092924)	0.00785 (15092924)
3753273.1 |	0.00670m(14041424)	0.00752m(14041424)	0.00910 (15092924)	0.01158 (15092924)	0.01251 (15092924)
3753223.1 |	0.00665 (14072424)	0.00814 (14072424)	0.01014 (16010224)	0.01579 (15092924)	0.01946 (15092924)
3753173.1 |	0.00661 (14121424)	0.00843 (14121424)	0.01250 (14010624)	0.02506 (14010624)	0.03722 (16012024)
3753123.1 |	0.00690 (16012024)	0.00934 (14010424)	0.01183 (14010424)	0.01405m(16123124)	0.01654 (16012024)
3753073.1 |	0.00724 (14010424)	0.00758 (14010424)	0.00835m(16123124)	0.00888m(16123124)	0.00962 (14080324)
3753023.1 |	0.00523 (14010424)	0.00588m(16123124)	0.00614m(16123124)	0.00615m(16123124)	0.00684 (14020624)
3752973.1 |	0.00484m(16123124)	0.00511m(16123124)	0.00508m(16123124)	0.00538 (14020624)	0.00579 (14020624)
3752923.1 |	0.00444m(16123124)	0.00446m(16123124)	0.00435 (14020624)	0.00482 (14020624)	0.00496 (14020624)
3752873.1 |	0.00379m(16123124)	0.00366m(16123124)	0.00381 (14020624)	0.00389 (14020624)	0.00393 (14020624)
3752823.1 |	0.00311m(16123124)	0.00309 (14020624)	0.00309 (14020624)	0.00311 (16011924)	0.00317 (14080324)
3752773.1 |	0.00267 (14080324)	0.00264 (16011924)	0.00280 (16011924)	0.00273 (16011924)	0.00268m(15020724)
3752723.1 |	0.00233 (15112624)	0.00240 (16011924)	0.00242 (16011924)	0.00238m(15020724)	0.00240m(15020724)
3752673.1 |	0.00213 (15112624)	0.00208 (16011924)	0.00209m(15020724)	0.00223m(15020724)	0.00209m(15020724)
3752623.1 |	0.00192 (15112624)	0.00183 (15112624)	0.00199m(15020724)	0.00201m(15020724)	0.00176m(15020724)
3752573.1 |	0.00170 (15112624)	0.00172m(15020724)	0.00179m(15020724)	0.00169m(15020724)	0.00149m(15020724)
3752523.1 |	0.00148 (15112624)	0.00158m(15020724)	0.00155m(15020724)	0.00139m(15020724)	0.00129m(15020724)
3752473.1 |	0.00137m(15020724)	0.00140m(15020724)	0.00132m(15020724)	0.00119m(15020724)	0.00117m(15020724)
3752423.1 |	0.00124m(15020724)	0.00124m(15020724)	0.00111m(15020724)	0.00106 (15052324)	0.00111m(15020724)
3752373.1 |	0.00111m(15020724)	0.00108m(15020724)	0.00104 (15052324)	0.00099 (15052324)	0.00108m(15020724)
3752323.1 |	0.00106 (16123024)	0.00102 (15052324)	0.00102 (15052324)	0.00098m(15020724)	0.00111m(15020724)
3752273.1 |	0.00098 (16123024)	0.00098 (15052324)	0.00095 (15052324)	0.00096m(15020724)	0.00110m(15020724)

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

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

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

Y-COORD (METERS)	X-COORD (METERS) 471074.27	471124.27	471174.27	471224.27	471274.27
3754223.1	0.00078 (14090924)	0.00076 (15041124)	0.00075 (15041124)	0.00072 (15041124)	0.00074 (15110324)
3754173.1	0.00086 (14090924)	0.00085 (15041124)	0.00083 (15041124)	0.00079 (15041124)	0.00079 (15110324)
3754123.1	0.00097b(14012924)	0.00091 (15041124)	0.00088 (15041124)	0.00087 (15041124)	0.00085m(16081424)
3754073.1	0.00106b(14012924)	0.00101b(14012924)	0.00096 (15041124)	0.00094 (15041124)	0.00093m(16081424)
3754023.1	0.00116b(14012924)	0.00112b(14012924)	0.00105 (15041124)	0.00107 (15041124)	0.00101 (15041124)
3753973.1	0.00129 (15010924)	0.00136b(14012924)	0.00128b(14012924)	0.00115 (15041124)	0.00113 (15041124)
3753923.1	0.00150 (15010924)	0.00149 (14102724)	0.00149b(14012924)	0.00134 (15021824)	0.00132 (15041124)
3753873.1	0.00179 (15010924)	0.00165 (15010924)	0.00159 (14102724)	0.00161 (15021824)	0.00160 (15021824)
3753823.1	0.00206 (15010924)	0.00199 (15010924)	0.00185 (14102724)	0.00183 (15021824)	0.00178 (15021824)
3753773.1	0.00221 (15010924)	0.00211 (15010924)	0.00196 (14102724)	0.00199 (14102724)	0.00197 (14102724)
3753723.1	0.00239 (15010924)	0.00238 (15010924)	0.00219 (15010924)	0.00228 (14102724)	0.00231 (14102724)
3753673.1	0.00260 (15010924)	0.00262 (15010924)	0.00238 (15010924)	0.00240 (14102724)	0.00259 (14102724)
3753623.1	0.00285 (15092924)	0.00275 (15092924)	0.00264 (15092924)	0.00286 (14102724)	0.00293 (14102724)
3753573.1	0.00315 (15092924)	0.00329 (15092924)	0.00352 (15092924)	0.00360 (15092924)	0.00334 (15021824)
3753523.1	0.00360 (15092924)	0.00383 (15092924)	0.00416 (15092924)	0.00448 (15092924)	0.00433 (15092924)
3753473.1	0.00413 (15092924)	0.00416 (15092924)	0.00459 (15092924)	0.00499 (15092924)	0.00532 (15092924)
3753423.1	0.00465 (15092924)	0.00462 (15092924)	0.00508 (15092924)	0.00589 (15092924)	0.00645 (15092924)
3753373.1	0.00580 (15011124)	0.00588 (15011124)	0.00570 (15011124)	0.00625 (15011124)	0.00724 (14010424)
3753323.1	0.00763 (15010924)	0.00814 (15011124)	0.00788 (15011124)	0.00764 (15011124)	0.00925 (14010424)
3753273.1	0.01171 (15092924)	0.01211 (15011124)	0.01209 (15011124)	0.01030 (15011124)	0.01095 (14010424)
3753223.1	0.02440 (15092924)	0.02456 (15092924)	0.02383 (14102724)	0.01919 (14102724)	0.01430 (14092124)
3753173.1	0.04335 (16012024)	0.04230 (16011924)	0.04093b(16120624)	0.03900b(16120624)	0.02093 (16071324)
3753123.1	0.01774 (16011924)	0.01768 (16011924)	0.01616b(16120624)	0.01722b(16120624)	0.01603b(16120624)
3753073.1	0.01043 (16011924)	0.01046 (16011924)	0.01033 (16011924)	0.01045 (16011924)	0.01157 (16011924)
3753023.1	0.00700 (16011924)	0.00747 (16011924)	0.00801 (16011924)	0.00894 (16011924)	0.01101 (16011924)
3752973.1	0.00579 (14020624)	0.00579 (16011924)	0.00660 (16011924)	0.00778 (16011924)	0.00958 (16011924)
3752923.1	0.00500 (14020624)	0.00504 (14080324)	0.00546 (16011924)	0.00642 (16011924)	0.00733 (16011924)
3752873.1	0.00406 (14080324)	0.00424 (14080324)	0.00433 (14080324)	0.00450 (16011924)	0.00458 (16011924)
3752823.1	0.00332 (14080324)	0.00337 (14080324)	0.00324 (14080324)	0.00334 (16011524)	0.00326 (16011924)
3752773.1	0.00277 (14080324)	0.00270 (14080324)	0.00248 (16011524)	0.00244 (14120624)	0.00256 (16011924)
3752723.1	0.00231 (14080324)	0.00211 (16011524)	0.00221 (15022224)	0.00196 (15022224)	0.00224m(15020724)
3752673.1	0.00182 (16011524)	0.00190 (15022224)	0.00197 (15022224)	0.00182m(15020724)	0.00195m(15020724)
3752623.1	0.00152m(15020724)	0.00169 (15022224)	0.00171 (15022224)	0.00169m(15020724)	0.00164m(15020724)
3752573.1	0.00136m(15020724)	0.00150 (15022224)	0.00152 (15022224)	0.00150m(15020724)	0.00147m(15020724)
3752523.1	0.00131m(15020724)	0.00138m(15020724)	0.00137m(15020724)	0.00135m(15020724)	0.00135m(15020724)
3752473.1	0.00128m(15020724)	0.00138m(15020724)	0.00136m(15020724)	0.00117m(15020724)	0.00123m(15020724)
3752423.1	0.00124m(15020724)	0.00136m(15020724)	0.00130m(15020724)	0.00108 (15022224)	0.00096m(15020724)
3752373.1	0.00122m(15020724)	0.00118m(15020724)	0.00106m(15020724)	0.00095 (15022224)	0.00087 (15022224)
3752323.1	0.00122m(15020724)	0.00107m(15020724)	0.00084m(15020724)	0.00082 (15022224)	0.00082 (15022224)
3752273.1	0.00116m(15020724)	0.00099m(15020724)	0.00078 (15022224)	0.00075 (15022224)	0.00078 (15022224)

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

INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 471324.27	471374.27	471424.27	471474.27	471524.27
3754223.1	0.00075 (15022024)	0.00077 (15022024)	0.00079 (14040424)	0.00093 (14040424)	0.00098 (14040424)
3754173.1	0.00079 (15110324)	0.00080 (15022024)	0.00080 (14040424)	0.00093 (14040424)	0.00100 (14040424)
3754123.1	0.00084 (15110324)	0.00085 (15022024)	0.00085 (14040424)	0.00096 (14040424)	0.00104 (14040424)
3754073.1	0.00092m(16081424)	0.00092 (15022024)	0.00091 (14040424)	0.00102 (14040424)	0.00108 (14040424)
3754023.1	0.00102m(16081424)	0.00100 (15022024)	0.00099 (14040424)	0.00110 (14040424)	0.00114 (14040424)
3753973.1	0.00113m(16081424)	0.00108 (15022024)	0.00108 (14040424)	0.00120 (14040424)	0.00122 (14040424)
3753923.1	0.00127m(16081424)	0.00121m(16081424)	0.00120 (14040424)	0.00130 (14040424)	0.00131 (14040424)
3753873.1	0.00142m(16081424)	0.00136 (14101224)	0.00131 (14101224)	0.00140 (14040424)	0.00142 (14040424)
3753823.1	0.00161 (14102724)	0.00152 (14101224)	0.00150 (14101224)	0.00155 (14040424)	0.00155 (14040424)
3753773.1	0.00193 (14102724)	0.00184 (14101224)	0.00178 (14101224)	0.00174 (14040424)	0.00176 (14040424)
3753723.1	0.00231 (14102724)	0.00220 (14102724)	0.00213 (14101224)	0.00202 (14102724)	0.00205 (14102724)
3753673.1	0.00272 (14102724)	0.00267 (14102724)	0.00263 (14101224)	0.00256m(16081424)	0.00247 (14102724)
3753623.1	0.00313 (14102724)	0.00342 (14102724)	0.00350 (14102724)	0.00325m(16081424)	0.00298 (15022024)
3753573.1	0.00368 (15010924)	0.00479 (15010924)	0.00519 (14102724)	0.00468 (14102724)	0.00407 (15022024)
3753523.1	0.00469 (15092924)	0.00690 (15010924)	0.00732 (14102724)	0.00739 (14102724)	0.00658 (15022024)
3753473.1	0.00635 (15092924)	0.00872 (15010924)	0.01077 (14102724)	0.01171 (14102724)	0.01058 (14102724)
3753423.1	0.00831 (15011124)	0.01248 (15011124)	0.01459 (14010424)	0.01481b(16120624)	0.01614 (15011124)
3753373.1	0.01011 (16121324)	0.01578 (14020624)	0.01271b(16120624)	0.01247 (15011124)	0.01896 (15011124)
3753323.1	0.01178 (16121324)	0.01878 (14020624)	0.01558b(16120624)	0.01311 (15011124)	0.02011 (14020624)
3753273.1	0.01386 (16121324)	0.02305 (14020624)	0.01807b(16120624)	0.01330b(16120624)	0.02025 (14020624)
3753223.1	0.01589 (16121324)	0.02067 (14020624)	0.01927b(16120624)	0.01440b(16120624)	0.01925 (14020624)
3753173.1	0.01568 (16121324)	0.02061 (14020624)	0.01983b(16120624)	0.01449b(16120624)	0.01647m(15020724)
3753123.1	0.01492b(16120624)	0.01934 (14020624)	0.01878b(16120624)	0.01627b(16120624)	0.01516b(16120624)
3753073.1	0.01541 (16012024)	0.02807 (14020624)	0.02083b(16120624)	0.01750b(16120624)	0.01590b(16120624)
3753023.1	0.01461 (16012024)	0.02479 (14020624)	0.01680b(16120624)	0.01250b(16120624)	0.01095b(16120624)
3752973.1	0.01208 (16011924)	0.01883m(15020724)	0.01388b(16120624)	0.00998b(16120624)	0.00850b(16120624)
3752923.1	0.00725 (16011924)	0.00869 (15022224)	0.00724 (15022224)	0.00639b(16120624)	0.00592b(16120624)
3752873.1	0.00478m(15020724)	0.00564 (15022224)	0.00610 (15022224)	0.00447b(16120624)	0.00433 (15022224)
3752823.1	0.00359m(15020724)	0.00396 (15022224)	0.00517 (15022224)	0.00387 (15022224)	0.00359b(16120624)
3752773.1	0.00294m(15020724)	0.00319 (15022224)	0.00419 (15022224)	0.00330 (15022224)	0.00284 (15022224)
3752723.1	0.00247m(15020724)	0.00266 (15022224)	0.00353 (15022224)	0.00289 (15022224)	0.00245 (15022224)
3752673.1	0.00212m(15020724)	0.00222 (15022224)	0.00321 (15022224)	0.00276 (15022224)	0.00234 (15022224)
3752623.1	0.00173m(15020724)	0.00199 (15022224)	0.00289 (15022224)	0.00260 (15022224)	0.00222 (15022224)
3752573.1	0.00152m(15020724)	0.00179 (15022224)	0.00262 (15022224)	0.00241 (15022224)	0.00209 (15022224)
3752523.1	0.00132m(15020724)	0.00162 (15022224)	0.00225 (15022224)	0.00205 (15022224)	0.00162 (15022224)

3752473.1 |	0.00113m(15020724)	0.00138 (15022224)	0.00177 (15022224)	0.00174 (15022224)	0.00142 (15022224)
3752423.1 |	0.00087 (15022224)	0.00120 (15022224)	0.00161 (15022224)	0.00135 (15022224)	0.00089 (15022224)
3752373.1 |	0.00081 (15022224)	0.00093 (15022224)	0.00135 (15022224)	0.00109 (15022224)	0.00074 (15022224)
3752323.1 |	0.00084 (15022224)	0.00080 (15022224)	0.00108 (15022224)	0.00096 (15022224)	0.00073 (15022224)
3752273.1 |	0.00069 (15022224)	0.00065 (15022224)	0.00079 (15022224)	0.00092 (15022224)	0.00068 (15022224)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	471574.27	471624.27	471674.27	471724.27	471774.27
3754223.1 |	0.00098 (14040424)	0.00089 (14040424)	0.00076 (14040424)	0.00074 (15031924)	0.00079 (15031924)
3754173.1 |	0.00100 (14040424)	0.00093 (14040424)	0.00079 (14040424)	0.00079 (15031924)	0.00085 (15031924)
3754123.1 |	0.00104 (14040424)	0.00094 (14040424)	0.00081 (14102724)	0.00085 (15031924)	0.00091 (15031924)
3754073.1 |	0.00105 (14040424)	0.00095 (14040424)	0.00085 (15031924)	0.00091 (15031924)	0.00095 (15031924)
3754023.1 |	0.00109 (14040424)	0.00097 (14040424)	0.00090 (15031924)	0.00097 (15031924)	0.00101 (15031924)
3753973.1 |	0.00115 (14040424)	0.00101 (14040424)	0.00100 (15031924)	0.00107 (15031924)	0.00110 (15031924)
3753923.1 |	0.00124 (14040424)	0.00107 (14032124)	0.00111 (15031924)	0.00118 (15031924)	0.00119 (15031924)
3753873.1 |	0.00134 (14040424)	0.00119 (14032124)	0.00127 (15031924)	0.00133 (15031924)	0.00131 (15031924)
3753823.1 |	0.00147 (14040424)	0.00134 (14032124)	0.00145 (15031924)	0.00151 (15031924)	0.00150 (15031924)
3753773.1 |	0.00165 (14040424)	0.00158 (15031924)	0.00168 (15031924)	0.00171 (15031924)	0.00165 (15031924)
3753723.1 |	0.00188 (14040424)	0.00188 (15031924)	0.00201 (15031924)	0.00195 (15031924)	0.00183 (15031924)
3753673.1 |	0.00220 (14102724)	0.00234 (15031924)	0.00245 (15031924)	0.00230 (15031924)	0.00202 (15031924)
3753623.1 |	0.00267 (15031924)	0.00299 (15031924)	0.00305 (15031924)	0.00275 (15031924)	0.00226 (15031924)
3753573.1 |	0.00377 (15031924)	0.00413 (15031924)	0.00412 (15031924)	0.00338 (15031924)	0.00260 (15031924)
3753523.1 |	0.00526 (15031924)	0.00569 (15031924)	0.00500 (15031924)	0.00406 (15031924)	0.00298 (15031924)
3753473.1 |	0.00868 (15031924)	0.00714 (15031924)	0.00551 (15031924)	0.00402 (15031924)	0.00335 (15072824)
3753423.1 |	0.01411m(16031824)	0.00851 (14092124)	0.00627 (14092124)	0.00502 (15072824)	0.00437 (15072824)
3753373.1 |	0.01685b(16120624)	0.00988 (14100924)	0.00770 (14100924)	0.00610 (14100924)	0.00519 (14100924)
3753323.1 |	0.01889b(16120624)	0.01106 (14100924)	0.00864 (14100924)	0.00704 (14100924)	0.00582 (15101824)
3753273.1 |	0.02047b(16120624)	0.01239b(16120624)	0.00886 (15101824)	0.00742 (15101824)	0.00644 (15101824)
3753223.1 |	0.02171b(16120624)	0.01347b(16120624)	0.00960b(16120624)	0.00769 (15101824)	0.00665 (15101824)
3753173.1 |	0.02192b(16120624)	0.01383b(16120624)	0.00974b(16120624)	0.00746 (15101824)	0.00645 (15101824)
3753123.1 |	0.02011b(16120624)	0.01274b(16120624)	0.00932b(16120624)	0.00725b(16120624)	0.00618 (16071324)
3753073.1 |	0.01453b(16120624)	0.01148b(16120624)	0.00873b(16120624)	0.00704b(16120624)	0.00593 (16071324)
3753023.1 |	0.01018b(16120624)	0.00917b(16120624)	0.00786b(16120624)	0.00662b(16120624)	0.00562b(16120624)
3752973.1 |	0.00793b(16120624)	0.00734b(16120624)	0.00666b(16120624)	0.00589b(16120624)	0.00519b(16120624)

3752923.1 |	0.00591b(16120624)	0.00576b(16120624)	0.00546b(16120624)	0.00497b(16120624)	0.00457b(16120624)
3752873.1 |	0.00452 (15022224)	0.00433b(16120624)	0.00428b(16120624)	0.00413b(16120624)	0.00391b(16120624)
3752823.1 |	0.00385 (15022224)	0.00333b(16120624)	0.00328b(16120624)	0.00331b(16120624)	0.00322b(16120624)
3752773.1 |	0.00322 (15022224)	0.00286b(16120624)	0.00269b(16120624)	0.00257b(16120624)	0.00254b(16120624)
3752723.1 |	0.00269 (15022224)	0.00257b(16120624)	0.00238b(16120624)	0.00211b(16120624)	0.00196b(16120624)
3752673.1 |	0.00242 (15022224)	0.00239b(16120624)	0.00228b(16120624)	0.00196 (16010924)	0.00177 (16010924)
3752623.1 |	0.00210 (15022224)	0.00204b(16120624)	0.00207b(16120624)	0.00183b(16120624)	0.00173 (16010924)
3752573.1 |	0.00176 (15022224)	0.00174b(16120624)	0.00190b(16120624)	0.00179b(16120624)	0.00165 (16010924)
3752523.1 |	0.00137 (15022224)	0.00145b(16120624)	0.00168b(16120624)	0.00167b(16120624)	0.00153 (16010924)
3752473.1 |	0.00106 (15022224)	0.00128 (15022224)	0.00138b(16120624)	0.00143b(16120624)	0.00136b(16120624)
3752423.1 |	0.00090 (15022224)	0.00103 (15022224)	0.00119b(16120624)	0.00113b(16120624)	0.00119b(16120624)
3752373.1 |	0.00080 (15022224)	0.00084 (15022224)	0.00077b(16120624)	0.00091b(16120624)	0.00099b(16120624)
3752323.1 |	0.00067 (15022224)	0.00070 (15022224)	0.00054 (15022224)	0.00065b(16120624)	0.00068b(16120624)
3752273.1 |	0.00059 (15022224)	0.00062 (15022224)	0.00047 (15022224)	0.00047b(16120624)	0.00059b(16120624)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

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

Y-COORD | (METERS) |	X-COORD (METERS) 471824.27	471874.27	471924.27	471974.27	472024.27
3754223.1 |	0.00082 (15031924)	0.00083 (15031924)	0.00082 (15031924)	0.00077 (15031924)	0.00075 (16083024)
3754173.1 |	0.00087 (15031924)	0.00087 (15031924)	0.00085 (15031924)	0.00080 (15031924)	0.00082 (16083024)
3754123.1 |	0.00093 (15031924)	0.00092 (15031924)	0.00088 (15031924)	0.00085 (16083024)	0.00088 (16083024)
3754073.1 |	0.00096 (15031924)	0.00098 (15031924)	0.00092 (15031924)	0.00092 (16083024)	0.00092 (16083024)
3754023.1 |	0.00103 (15031924)	0.00102 (15031924)	0.00096 (16083024)	0.00098 (16083024)	0.00095 (16083024)
3753973.1 |	0.00109 (15031924)	0.00104 (15031924)	0.00100 (16083024)	0.00102 (16083024)	0.00096 (16083024)
3753923.1 |	0.00116 (15031924)	0.00107 (15031924)	0.00108 (16083024)	0.00105 (16083024)	0.00093 (16083024)
3753873.1 |	0.00123 (15031924)	0.00113 (15031924)	0.00107 (16083024)	0.00098 (16083024)	0.00089 (15031924)
3753823.1 |	0.00135 (15031924)	0.00119 (15031924)	0.00107 (15031924)	0.00097 (15031924)	0.00091 (15031924)
3753773.1 |	0.00149 (15031924)	0.00130 (15031924)	0.00115 (15031924)	0.00105 (15031924)	0.00099 (15031924)
3753723.1 |	0.00164 (15031924)	0.00144 (15031924)	0.00126 (15031924)	0.00115 (15031924)	0.00108 (15031924)
3753673.1 |	0.00183 (15031924)	0.00155 (15031924)	0.00138 (15031924)	0.00133 (15031924)	0.00124 (15031924)
3753623.1 |	0.00198 (15031924)	0.00173 (15031924)	0.00153 (15031924)	0.00146 (15031924)	0.00130 (15031924)
3753573.1 |	0.00218 (15031924)	0.00186 (15031924)	0.00162 (15031924)	0.00151 (15031924)	0.00135 (15031924)
3753523.1 |	0.00240 (15031924)	0.00201 (15031924)	0.00169 (15072824)	0.00163 (14100924)	0.00173 (14100924)
3753473.1 |	0.00299 (15072824)	0.00255 (15072824)	0.00220 (14100924)	0.00202 (14100924)	0.00207 (14100924)
3753423.1 |	0.00366 (15072824)	0.00311 (14092124)	0.00275 (14092124)	0.00251 (14092124)	0.00235 (14092124)

3753373.1 |	0.00434 (14100924)	0.00366 (15101824)	0.00341 (15101824)	0.00321 (15101824)	0.00280 (15101824)
3753323.1 |	0.00497 (15101824)	0.00429 (15101824)	0.00417 (15101824)	0.00379 (15101824)	0.00332 (15101824)
3753273.1 |	0.00557 (15101824)	0.00490 (15101824)	0.00461 (15101824)	0.00415 (15101824)	0.00364 (15101824)
3753223.1 |	0.00586 (15101824)	0.00522 (15101824)	0.00473 (15101824)	0.00426 (15101824)	0.00362 (15101824)
3753173.1 |	0.00566 (15101824)	0.00502 (15101824)	0.00450 (15101824)	0.00401 (15101824)	0.00341 (15101824)
3753123.1 |	0.00543 (16071324)	0.00485 (16071324)	0.00431 (16071324)	0.00380 (16071324)	0.00346 (16071324)
3753073.1 |	0.00517 (16071324)	0.00462 (16071324)	0.00422 (16071324)	0.00390 (16071324)	0.00359 (16071324)
3753023.1 |	0.00474b(16120624)	0.00439 (16071324)	0.00408 (16071324)	0.00376 (16071324)	0.00345 (16071324)
3752973.1 |	0.00456b(16120624)	0.00398b(16120624)	0.00344 (16121224)	0.00329 (16071324)	0.00314 (16071324)
3752923.1 |	0.00417b(16120624)	0.00376b(16120624)	0.00332b(16120624)	0.00295 (16121224)	0.00285 (16121224)
3752873.1 |	0.00367b(16120624)	0.00343b(16120624)	0.00312b(16120624)	0.00279b(16120624)	0.00254 (16121224)
3752823.1 |	0.00314b(16120624)	0.00302b(16120624)	0.00287b(16120624)	0.00262b(16120624)	0.00248b(16120624)
3752773.1 |	0.00254b(16120624)	0.00259b(16120624)	0.00255b(16120624)	0.00235b(16120624)	0.00228b(16120624)
3752723.1 |	0.00204 (16092224)	0.00213 (16092224)	0.00214b(16120624)	0.00208b(16120624)	0.00206b(16120624)
3752673.1 |	0.00163 (16092224)	0.00174 (16092224)	0.00177b(16120624)	0.00180b(16120624)	0.00180 (16092224)
3752623.1 |	0.00151 (16010924)	0.00142 (16092224)	0.00148b(16120624)	0.00153b(16120624)	0.00158 (16092224)
3752573.1 |	0.00153 (16010924)	0.00128 (16010924)	0.00126 (16092224)	0.00133 (16092224)	0.00136 (16092224)
3752523.1 |	0.00147 (16010924)	0.00116 (16010924)	0.00100 (16011524)	0.00111 (16092224)	0.00118 (16092224)
3752473.1 |	0.00127 (16010924)	0.00094 (16010924)	0.00080 (16010924)	0.00081 (16011524)	0.00097 (16092224)
3752423.1 |	0.00100 (16010924)	0.00090 (16010924)	0.00079 (16010924)	0.00070 (16011524)	0.00077 (15051724)
3752373.1 |	0.00103b(16120624)	0.00084 (16010924)	0.00076 (16010924)	0.00071 (16030424)	0.00069 (16030424)
3752323.1 |	0.00087b(16120624)	0.00073 (16010924)	0.00070 (16010924)	0.00066 (16030424)	0.00068 (16030424)
3752273.1 |	0.00073b(16120624)	0.00064b(16120624)	0.00063 (16010924)	0.00063 (16030424)	0.00056 (16030424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

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

Y-COORD |	X-COORD (METERS)				
(METERS) |	472074.27	472124.27	472174.27	472224.27	472274.27
- - -

3753823.1 |	0.00087 (15031924)	0.00089 (15031924)	0.00080 (15031924)	0.00076 (15031924)	0.00072 (15031924)
3753773.1 |	0.00099 (15031924)	0.00098 (15031924)	0.00095 (15031924)	0.00085 (15031924)	0.00078 (15031924)
3753723.1 |	0.00102 (15031924)	0.00104 (15031924)	0.00102 (15031924)	0.00094 (15031924)	0.00084 (15031924)
3753673.1 |	0.00107 (15031924)	0.00104 (15031924)	0.00101 (15031924)	0.00095 (15031924)	0.00091 (16101624)
3753623.1 |	0.00111 (15031924)	0.00101 (15031924)	0.00097 (16101624)	0.00103 (14100924)	0.00108 (14100924)
3753573.1 |	0.00125 (14100924)	0.00117 (14100924)	0.00117 (14100924)	0.00122 (14100924)	0.00126 (14100924)
3753523.1 |	0.00165 (14100924)	0.00151 (14100924)	0.00140 (14100924)	0.00136 (14100924)	0.00137 (14100924)
3753473.1 |	0.00200 (14100924)	0.00188 (14100924)	0.00166 (14100924)	0.00151 (14100924)	0.00144 (14100924)
3753423.1 |	0.00232 (14092124)	0.00223 (14092124)	0.00201 (14092124)	0.00184 (14092124)	0.00166 (14092124)
3753373.1 |	0.00268 (15101824)	0.00257 (15101824)	0.00238 (15101824)	0.00218 (15101824)	0.00196 (15101824)
3753323.1 |	0.00307 (15101824)	0.00289 (15101824)	0.00270 (15101824)	0.00244 (15101824)	0.00218 (15101824)
3753273.1 |	0.00328 (15101824)	0.00304 (15101824)	0.00281 (15101824)	0.00252 (15101824)	0.00227 (15101824)
3753223.1 |	0.00328 (15101824)	0.00297 (15101824)	0.00271 (15101824)	0.00245 (15101824)	0.00235 (15101824)
3753173.1 |	0.00314 (15101824)	0.00281 (15101824)	0.00255 (15101824)	0.00236 (15101824)	0.00224 (15101824)
3753123.1 |	0.00314 (16071324)	0.00278 (16071324)	0.00240m(16070324)	0.00225m(16070324)	0.00214m(16070324)
3753073.1 |	0.00328 (16071324)	0.00293 (16071324)	0.00262 (16071324)	0.00243 (16071324)	0.00224 (16071324)
3753023.1 |	0.00321 (16071324)	0.00298 (16071324)	0.00281 (16071324)	0.00256 (16071324)	0.00232 (16071324)
3752973.1 |	0.00299 (16071324)	0.00285 (16071324)	0.00268 (16071324)	0.00246 (16071324)	0.00228 (16071324)
3752923.1 |	0.00258 (16121224)	0.00246 (16071324)	0.00236 (16071324)	0.00220 (16071324)	0.00208 (16071324)
3752873.1 |	0.00249 (16121224)	0.00228 (16121224)	0.00217 (16121224)	0.00205 (16121224)	0.00192 (16121224)
3752823.1 |	0.00215 (16121224)	0.00210 (16121224)	0.00203 (16121224)	0.00196 (16121224)	0.00185 (16121224)
3752773.1 |	0.00195b(16120624)	0.00184 (16121224)	0.00183 (16121224)	0.00179 (16121224)	0.00174 (16121224)
3752723.1 |	0.00181b(16120624)	0.00169b(16120624)	0.00155 (16121224)	0.00158 (16121224)	0.00158 (16121224)
3752673.1 |	0.00173 (16092224)	0.00165 (16092224)	0.00154 (16092224)	0.00133 (16092224)	0.00134 (16121224)
3752623.1 |	0.00155 (16092224)	0.00149 (16092224)	0.00144 (16092224)	0.00133 (16092224)	0.00125 (15051224)
3752573.1 |	0.00135 (16092224)	0.00125b(16120624)	0.00118b(16120624)	0.00112 (16092224)	0.00110 (16092224)
3752523.1 |	0.00120 (16092224)	0.00118 (16092224)	0.00114 (16092224)	0.00106 (15051224)	0.00102 (15051224)
3752473.1 |	0.00103 (16092224)	0.00104 (16092224)	0.00104 (15100424)	0.00101 (15051224)	0.00100 (15051224)
3752423.1 |	0.00088 (16092224)	0.00093 (16092224)	0.00099 (15100424)	0.00099 (15100424)	0.00095 (15100424)
3752373.1 |	0.00079 (15051724)	0.00086 (15100424)	0.00091 (15100424)	0.00093 (15100424)	0.00093 (15100424)
3752323.1 |	0.00069 (15051724)	0.00071b(16120624)	0.00078 (15100424)	0.00082 (15100424)	0.00085 (15100424)
3752273.1 |	0.00051 (16030424)	0.00059 (15051724)	0.00065b(16120624)	0.00069 (15100424)	0.00076 (15100424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
471760.95	3752929.03	0.00478b (16120624)	471633.36	3752929.03	0.00588b (16120624)

471511.91	3752927.81	0.00628b (16120624)	471378.18	3752924.12	0.00948 (15022224)
471275.13	3752927.81	0.00762 (16011924)	471448.11	3752870.15	0.00489 (15022224)
471385.54	3752872.60	0.00673 (15022224)	471324.20	3752870.15	0.00467m (15020724)
471277.58	3752876.28	0.00470 (16011924)	471162.26	3752926.58	0.00539 (16011924)
471026.09	3752922.90	0.00495 (14020624)	471233.42	3752873.83	0.00459 (16011924)
471104.60	3752868.92	0.00408 (14080324)	471000.32	3752872.60	0.00390 (14020624)
470962.29	3752909.40	0.00455 (14020624)	470866.60	3752908.18	0.00424m (16123124)
470788.09	3752908.18	0.00414m (16123124)			

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 3 YEARS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.02118	AT (471124.27, 3753173.10, 491.00, 491.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.02054	AT (471174.27, 3753173.10, 489.80, 489.80, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.02030	AT (471074.27, 3753173.10, 492.60, 492.60, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.01639	AT (471224.27, 3753173.10, 488.80, 488.80, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.01559	AT (471024.27, 3753173.10, 494.40, 494.40, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.01089	AT (471374.27, 3753073.10, 490.70, 490.70, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.01019	AT (471174.27, 3753223.10, 488.10, 488.10, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00984	AT (471124.27, 3753223.10, 488.60, 493.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00977	AT (471524.27, 3753223.10, 487.20, 487.20, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00977	AT (471524.27, 3753273.10, 487.20, 487.20, 0.00)	GC	UCART1

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

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

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

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

- - - -

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


********   WARNING MESSAGES   ********
ME W186     698      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     698      MEOPEN: ADJ_U* Option for Low Winds used in AERMET

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

Results Summary

C:\AERMOD\9309\PM2\PM2.isc

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLA (m)
1-HR	1ST	0.11247	ug/m^3	471024.27	3753173.10	494.40	0.00
24-HR	1ST	0.04335	ug/m^3	471074.27	3753173.10	492.60	0.00
ANNUAL		0.02118	ug/m^3	471124.27	3753173.10	491.00	0.00

Sycamore Hills Distribution Center

MOBILE SOURCE HEALTH RISK ASSESSMENT

CITY OF RIVERSIDE

PREPARED BY:

Haseeb Qureshi
hqureshi@urbanxroads.com

SEPTEMBER 25, 2020

TABLE OF CONTENTS

TABLE OF CONTENTS I
APPENDICES I
LIST OF EXHIBITS I
LIST OF TABLES I
LIST OF ABBREVIATED TERMS II
EXECUTIVE SUMMARY 1
ES.1 Summary of Findings 1
1 INTRODUCTION 5
1.1 Purpose 5
1.2 Project Description 6
2 SIGNIFICANCE CRITERIA AND METHODOLOGY 9
2.1 Thresholds 9
2.2 Background on Recommended Methodology 10
3 PROJECT EMISSIONS ESTIMATION 12
3.1 On-Site and Off-Site Truck Activity 12
4 EXPOSURE QUANTIFICATION 20
4.1 Receptors 22
5 EVALUATION OF HEALTH IMPACTS 26
5.1 Carcinogenic Chemical Risk 26
5.2 Non-carcinogenic Exposures 26
5.3 Potential Project-Related DPM Source Cancer and Non-Cancer Risks 27
6 CONCLUSIONS 30
7 REFERENCES 32
8 CERTIFICATIONS 34

APPENDICES

APPENDIX 4.1: AERMOD MODEL INPUT/OUTPUT
APPENDIX 4.2: RISK CALCULATIONS

LIST OF EXHIBITS

EXHIBIT 1-A: PRELIMINARY SITE PLAN 7
EXHIBIT 3-A: MODELED EMISSION SOURCES 16
EXHIBIT 3-B: MODELED EMISSION SOURCES (BUILDINGS A AND B LOADING DOCKS) 17
EXHIBIT 3-C: PROJECT TRUCK TRIP DISTRIBUTION 18
EXHIBIT 4-A: WIND ROSE (SRA 23) 21
EXHIBIT 4-B: RECEPTOR LOCATIONS 23

LIST OF TABLES

TABLE ES-1: SUMMARY OF CANCER AND NON-CANCER RISKS 3
TABLE 3-1: 2023 WEIGHTED AVERAGE DPM EMISSIONS FACTORS 13
TABLE 3-2: DPM EMISSIONS FROM PROJECT TRUCKS (2023 ANALYSIS YEAR) 15
TABLE 4-1: AERMOD MODEL PARAMETERS 20
TABLE 4-2: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (30 YEAR RESIDENTIAL) 24
TABLE 4-3: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (25 YEAR WORKER) 24
TABLE 4-4: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (9 YEAR SCHOOL CHILD) 24
TABLE 5-1: CANCER AND NON-CANCER RISKS 28

LIST OF ABBREVIATED TERMS

(1)	Reference
µg	Microgram
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
APS	Auxiliary Power System
AQMD	Air Quality Management District
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
HHD	Heavy Heavy-Duty
HI	Hazard Index
HRA	Health Risk Assessment
LHD	Light Heavy-Duty
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Receptor
MEISC	Maximally Exposed Individual School Child
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard
PCE	Passenger Car Equivalent
PM10	Particulate Matter 10 microns in diameter or less
Project	Sycamore Hills Distribution Center
REL	Reference Exposure Level
RM	Recommended Measures
SCAQMD	South Coast Air Quality Management District
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TIA	Traffic Impact Analysis
URF	Unit Risk Factor
UTM	Universal Transverse Mercator
VMT	Vehicle Miles Traveled

This page intentionally left blank

EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The purpose of this health risk assessment (HRA) is to document the increased cancer and noncancer health risk levels from project-related emissions of toxic air contaminants (TACs) on existing nearby sensitive receptors, including residents and/or adjacent workers.

This report evaluates the potential mobile source health risk impacts to sensitive receptors associated with the development of the proposed *Sycamore Hills Distribution Center* (Project), more specifically, health risk impacts (cancer and non-cancer risks) as a result of exposure to diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site. The Project proposes subdividing the site into two parcels (Parcels 1 and 2), and three lettered parcels (Parcels A, B, and C). Each parcel is proposed to be developed with a high cube transload short-term warehouse building (Buildings A and B). Building A, a 400,000 square foot warehouse, will be constructed on Parcel 1. Building B, a 203,100 square foot warehouse, will be constructed on Parcel 2. Associated improvements include parking, fire lanes, fencing and walls (including retaining walls), landscaping, and water quality treatment areas.

The results of this *Sycamore Hills Distribution Center Health Risk Assessment* are summarized below based on the *Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis* (1). Table ES-1 shows the findings of significance for potential mobile source health risk impacts to sensitive receptors (residents), adjacent workers, and school children associated with the development of the proposed Project.

RESIDENTIAL EXPOSURE SCENARIO

The residential land use with the greatest potential exposure to Project DPM source emissions is located at existing residential homes approximately 225 feet south of the Project site, across Alessandro Boulevard. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 0.49 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.0002, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent residences. All other residential uses located further away from the Project would be exposed to less emissions and therefore less risk than the MEIR identified herein, and DPM generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences. The nearest modeled receptors are illustrated on Exhibit 4-B (as shown later in this report).

WORKER EXPOSURE SCENARIO

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located immediately adjacent to the Project site at the adjacent industrial use approximately 145 feet to the west. At the maximally exposed individual worker (MEIW), the

maximum incremental cancer risk impact at this location is 0.08 in one million[1] which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.0003, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. All other modeled worker sites located further away from the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein . As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The nearest modeled receptors are illustrated on Exhibit 4-B (as shown later in this report).

SCHOOL CHILD EXPOSURE SCENARIO

The school site land use with the greatest potential exposure to Project DPM source emissions is at the Taft Elementary School located 1.1 mile (6,027 feet) northwest of the Project site. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact attributable to the Project at this location is calculated to be an estimated 0.003 in one million which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be 0.000006, which would not exceed the applicable significance threshold of 1.0. Any other schools located at a further distance from the Project site would be exposed to less emissions and consequently less impacts than what is disclosed for the MEISC[2]. As such, the Project will not cause a significant human health or cancer risk to nearby school children. The nearest modeled receptors are illustrated on Exhibit 4-B (as shown later in this report).

1 SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

2 In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on CARB and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (1).

TABLE ES-1: SUMMARY OF CANCER AND NON-CANCER RISKS

Location	Time Period[1]	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
Maximum Exposed Sensitive Receptor	30 Year Exposure	0.49	10	No
Maximum Exposed Worker Receptor	25 Year Exposure	0.08	10	No
Maximum Exposed School Child Receptor	9 Year Exposure	0.003	10	No
Location	**Time Period**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
Maximum Exposed Sensitive Receptor	Annual Average	0.0002	1.0	No
Maximum Exposed Worker Receptor	Annual Average	0.00003	1.0	No
Maximum Exposed School Child Receptor	Annual Average	0.000006	1.0	No

[1] Based on the Office of Environmental Health Hazard Assessment (OEHHA) recommendations, cancer risk to residential receptors are based on a 30-year exposure duration, 25 years for worker receptors, and 9 years for children at school sites (2).

This page intentionally left blank

1 INTRODUCTION

1.1 PURPOSE

This HRA presents the results of an evaluation of diesel particulate matter (DPM) emissions associated with diesel truck traffic traveling along the Alessandro Boulevard, a designated truck route, and three new driveways, proposed to be constructed, one on Alessandro Boulevard and two on Barton Street, in the vicinity of the proposed Project, and potential cancer risks to existing nearby sensitive receptors, including residents and/or adjacent workers .

SCAQMD identifies that if a proposed Project is expected to generate/attract heavy-duty diesel trucks, which emit DPM, preparation of a mobile source HRA is recommended. This document serves to meet the SCAQMD's request for preparation of an HRA.

The South Coast Air Quality Management District (SCAQMD) reviewed the conceptual site plan for the proposed project and provided input to the City on the scope of the air quality analysis. SCAQMD identifies that if a proposed Project is expected to generate/attract heavy-duty diesel trucks, which emit diesel particulate matter (DPM), preparation of a mobile source HRA is recommended. This document serves to meet the SCAQMD's request for preparation of a HRA. The mobile source HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1) and is comprised of all relevant and appropriate procedures presented by the U.S. EPA, California Environmental Protection Agency and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to DPM exposure. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulative impact.

The AQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (3). In this report the AQMD clearly states (Page D-3):

"…the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for toxic air contaminant (TAC) emissions. The project specific (project increment) significance threshold is HI > 1.0 while the cumulative (facility-wide) is HI > 3.0. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.

Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant."

1.2 PROJECT DESCRIPTION

The proposed Project is to construct an industrial warehouse development on three parcels [Assessor Parcel Numbers (APNs) 263-060-022, 263-060-024, 263-060-026], totaling 48.64 gross acres. The property is located at the northeast corner of Barton Street and Alessandro Boulevard in the City of Riverside (City), immediately south of the Sycamore Canyon Wilderness Park, as shown on Exhibit 1-A. The property is spread in an east to west direction with natural rolling land descending gradually from a west to east direction. There are two jurisdictional drainages on the site. The undeveloped parcels are covered with a low to moderate growth of vegetation cover consisting of natural grasses and weeds with some granitic rock outcrops.

The Project proposes subdividing the site into two parcels (Parcels 1 and 2), and three lettered parcels (Parcels A, B, and C). Each parcel is proposed to be developed with a high cube transload short-term warehouse building (Buildings A and B). Building A, a 400,000 square foot warehouse, will be constructed on Parcel 1. Building B, a 203,100 square foot warehouse, will be constructed on Parcel 2. Associated improvements include parking, fire lanes, fencing and walls (including retaining walls), landscaping, and water quality treatment areas.

Parcels A and Parcel B consist of existing Restricted Property of natural land, with a supporting jurisdictional feature, totaling approximately 11.6 acres. A 0.67-acre driveway will be constructed through the Restricted Property to provide street access from Alessandro Boulevard to Parcel 1, which would reduce the Restricted Property to 10.93 acres. However, 1.44 acres will be added to Parcel A to mitigate this loss, resulting in a total of 12.37 acres of Restricted Property (net gain of 0.77 acres). A Conservation Easement is proposed to be placed over the amended 12.37 acres of Restricted Property.

A trailhead parking lot is proposed on Parcel C, totaling 1.18 acres, for access to the Sycamore Canyon Wilderness Park. Improvements include a parking lot, sidewalk, shade structure, bike rack, drinking fountain, fencing, and a Fire Department and access gate. Parcel C will be dedicated to the City.

At the time this HRA was prepared, the future tenants of the proposed Project were unknown. The planned operation of Buildings A and B is high cube transload short-term warehouse use, primarily for the short-term storage and/or consolidation of manufactured goods (and to a lesser extent, raw materials), usually on pallet loads or larger handling products prior to their distribution to retail locations or other warehouses. No refrigeration use is proposed. This HRA is intended to describe emission impacts associated with the expected typical 24-hour, seven days per week operational activities at the Project site.

Per the *Sycamore Hills Distribution Center Traffic Impact Analysis* (TIA) prepared by Urban Crossroads, Inc. the Project is expected to generate a total of approximately 847 two-way vehicular trips per day which includes 274 two-way truck trips per day (4). This health risk assessment study evaluates the potential impacts resulting from diesel exhaust from the 274 two-way truck trips generated by the Project.

EXHIBIT 1-A: PRELIMINARY SITE PLAN

Legend

SiteBoundary

This page intentionally left blank

2 SIGNIFICANCE CRITERIA AND METHODOLOGY

The mobile source HRA has been prepared in accordance with the document *Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis* (1) and is comprised of all relevant and appropriate procedures presented by the United Stated (U.S.) Environmental Protection Agency (EPA), California EPA (CalEPA), and SCAQMD.

CANCER RISK

Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to DPM exposure. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulative impact.

NON-CARCINOGENIC RISK

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

2.1 THRESHOLDS

The SCAQMD *CEQA Air Quality Handbook* (1993) states that emissions of TACs are considered significant if an HRA shows an increased risk of greater than 10 in one million. Based on guidance from the SCAQMD in the document *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis* (1), for purposes of this analysis, 10 in one million is used as the cancer risk threshold for the proposed Project.

Excess cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a unitless probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level of 10 in one million implies a likelihood that up to 10 people, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time. As an example, the risk of dying from accidental drowning is 1,000 in a million, which is 100 times more than the SCAQMD's threshold of 10 in one million. The nearest comparison to 10 in one million is the 7 in one million lifetime chance that an individual would be struck by lightning.

2.2 BACKGROUND ON RECOMMENDED METHODOLOGY

As noted above, this HRA is based on SCAQMD guidelines to produce conservative estimates of risk posed by exposure to DPM. The conservative nature of this analysis is due primarily to the following factors:

- The CARB-adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per µg/m3 is based upon the upper 95 percentile of estimated risk for each of the epidemiological studies utilized to develop the URF. Using the 95th percentile URF represents a very conservative (health-protective) risk posed by DPM.
- The emissions derived assume that every truck accessing the project site will idle for 15 minutes under the unmitigated scenario. This is an overestimation of actual idling times and thus conservative.[3] It should be noted that CARB's anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of 3.

[3] Although the Project is required to comply with ARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (personal communication, in person, with SCAQMD Planning and Rules Manager Jillian Wong, December 22, 2016), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

This page intentionally left blank

3 PROJECT EMISSIONS ESTIMATION

3.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were estimated using emission factors for particulate matter less than 10 micrometer (µm) in diameter (PM_{10}) generated with the 2017 version of the EMissions FACtor model (EMFAC) developed by the CARB. EMFAC 2017 is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the CARB to project changes in future emissions from on-road mobile sources (5). The most recent version of this model, EMFAC 2017, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

Several distinct emission processes are included in EMFAC 2017. Emission factors calculated using EMFAC 2017 are expressed in units of grams per VMT (g/VMT) or grams per idle-hour (g/idle-hr), depending on the emission process. The emission processes and corresponding emission factor units associated with diesel particulate exhaust for this Project are presented below.

For this Project, annual average PM_{10} emission factors were generated by running EMFAC 2017 in EMFAC Mode for vehicles in the Riverside County jurisdiction. The EMFAC Mode generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

- Idling – on-site loading/unloading and truck gate
- 5 miles per hour – on-site vehicle movement including driving and maneuvering
- 25 miles per hour – off-site vehicle movement including driving and maneuvering.

Calculated emission factors are shown at Table 3-1. As a conservative measure, a 2023 EMFAC 2017 run was conducted and a static 2023 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2023 emission factors would overstate potential impacts since this approach assumes that emission factors remain “static” and do not change over time due to fleet turnover or cleaner technology with lower emissions that would be incorporated after 2023. Additionally, based on EMFAC 2017, Light-Heavy-Duty Trucks comprise of 47.7% diesel, Medium-Heavy-Duty Trucks comprise of 88.3% diesel, and Heavy-Heavy-Duty Trucks comprise of 96.1% diesel trucks and have been accounted for accordingly in the emissions factor generation.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM_{10} emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (5):

$$Emissions_{speedA} = EF_{RunExhaust} \times Distance \times Number\ of\ Trips\ /\ seconds\ per\ day$$

Where:

$Emissions_{speedA}$	=	Vehicle emissions at a given speed A (g/s)
$EF_{RunExhaust}$	=	EMFAC running exhaust PM_{10} emission factor at speed A (g/VMT)
Distance	=	Total distance traveled per trip (VMT/trip)
Number of Trips	=	Trips per day

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM_{10} emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM_{10} emission factor (g/idle-hr) from EMFAC and the total truck trip over the total idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (5):

$$Emissions_{idle} = EF_{idle} \times Number\ of\ Trips \times Idling\ Time \times 60\ minutes\ per\ hour\ /\ seconds\ per\ day$$

Where:

$Emissions_{idle}$	=	Vehicle emissions during idling (g/s)
EF_{idle}	=	EMFAC idle exhaust PM_{10} emission factor (g/hr)
Number of Trips	=	Trips per day
Idling Time	=	Minutes per trip

TABLE 3-1: 2023 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.07860 (g/idle-hr)
5	0.1476(g/s)
25	0.00686 (g/s)

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report but are included in Appendix “2.1”. The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as illustrated on Table 3-2. The modeled emission sources are illustrated on

Exhibits 3-A and 3-B. The modeled truck travel routes included in the HRA are based on the anticipated truck trip distribution (inbound and outbound) as identified in the Project's TIA (4), the anticipated truck trip distribution is illustrated on Exhibit 3-C. The modeling domain was extended along the Project's primary truck route and includes off-site sources in the study area for more than ¾ mile. This modeling domain is substantially more conservative than using a ¼ mile modeling domain. It should be noted that this approach is supported by substantial evidence as several studies have shown that the greatest potential risks occur within a ¼ mile of the primary source of emissions (6) (in the case of the Project this is the on-site idling and on-site travel).

On-site truck idling was estimated to occur as trucks enter and travel through the facility. Although the Project is required to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (7), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc. As such, this analysis estimated truck idling at 15 minutes, consistent with SCAQMD's recommendation.

Per the TIA prepared by Urban Crossroads, Inc. the Project is expected to generate a total of approximately 847 two-way vehicular trips per day which includes 274 two-way truck trips per day (4). This health risk assessment study evaluates the potential impacts resulting from diesel exhaust from the 274 two-way truck trips generated by the Project.

TABLE 3-2: DPM EMISSIONS FROM PROJECT TRUCKS (2023 ANALYSIS YEAR)

Truck Emission Rates						
Source	**Trucks Per Day**	**VMT [a] (miles/day)**	**Truck Emission Rate [b] (grams/mile)**	**Truck Emission Rate [b] (grams/idle-hour)**	**Daily Truck Emissions [c] (grams/day)**	**Modeled Emission Rates (g/second)**
On-Site Idling Building A1	23			0.0786	0.44	5.141E-06
On-Site Idling Building A2	23			0.0786	0.44	5.141E-06
On-Site Idling Building B	92			0.0786	1.80	2.088E-05
On-Site Travel Building A1	45	15.47	0.0148		0.23	2.643E-06
On-Site Travel Building A2	45	19.95	0.0148		0.29	3.409E-06
On-Site Travel Bulding B	184	60.69	0.0148		0.90	1.037E-05
Off-Site Travel 33% Inbound/Outbound	90	174.09	0.0069		1.19	1.381E-05
Off-Site Travel 67% Inbound/Outbound	184	282.17	0.0069		1.93	2.239E-05

[a] Vehicle miles traveled are for modeled truck route only.

[b] Emission rates determined using EMFAC 2017. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

[c] This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes.

EXHIBIT 3-A: MODELED EMISSION SOURCES

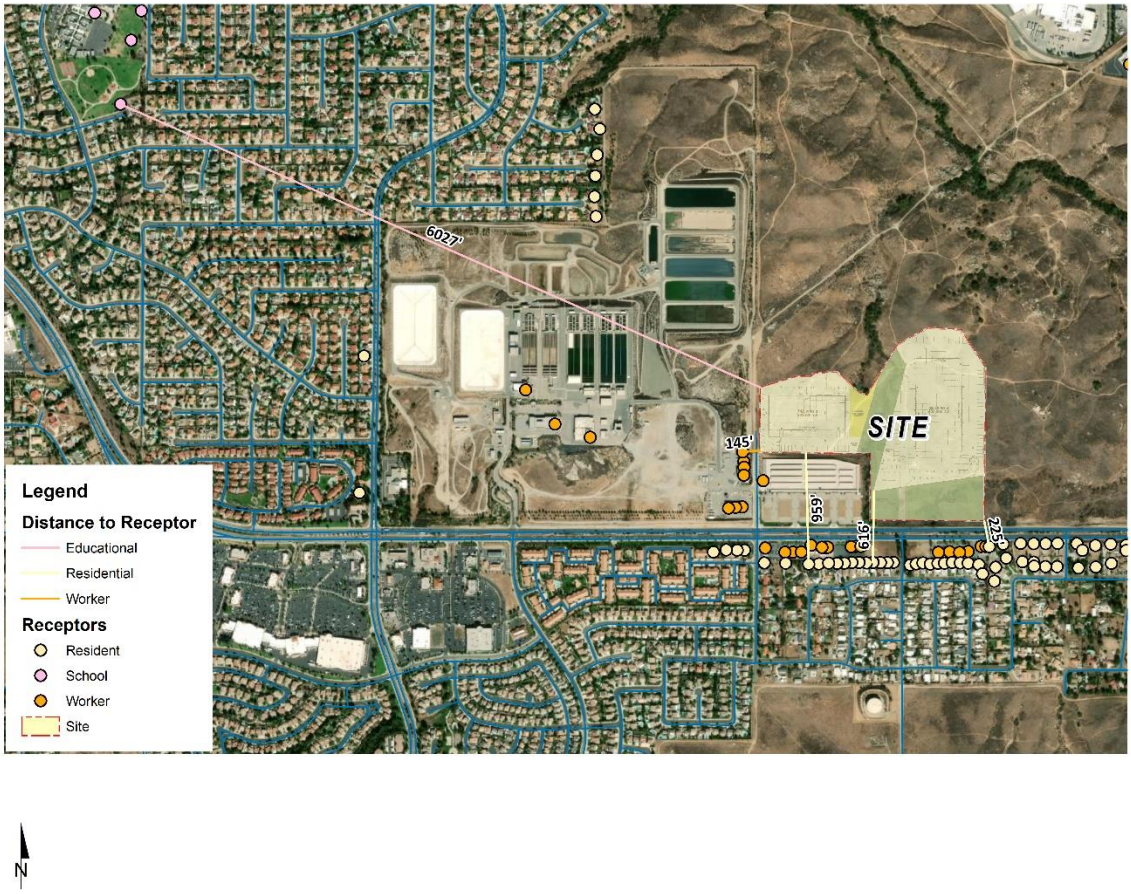


EXHIBIT 3-B: MODELED EMISSION SOURCES (BUILDINGS A AND B LOADING DOCKS)

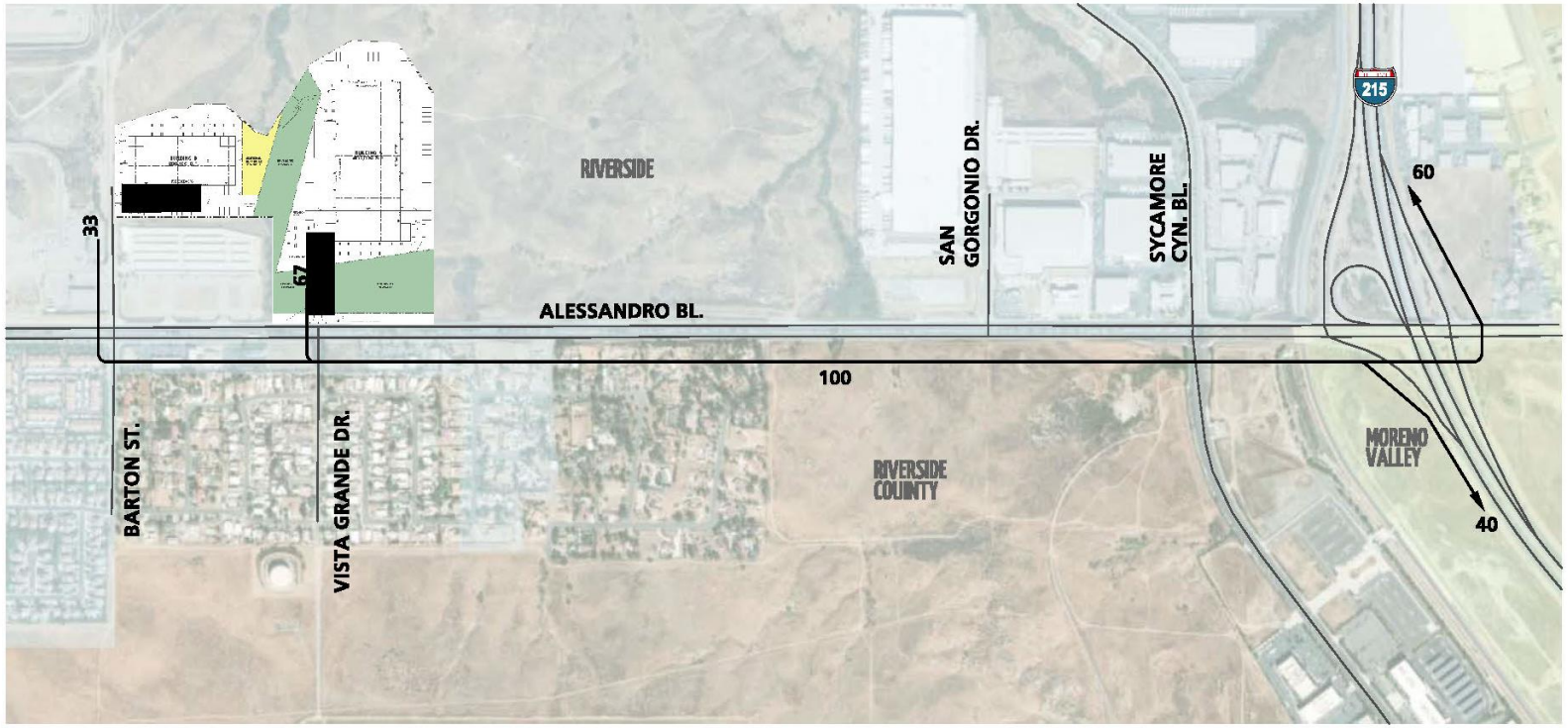
Legend

N

Loading Docks

Site Boundary

EXHIBIT 3-C: PROJECT TRUCK TRIP DISTRIBUTION



LEGEND:

10 = PERCENT TO/FROM PROJECT

N

This page intentionally left blank

4 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis* (1). SCAQMD recommends using the U.S. EPA's AERMOD model. For purposes of this analysis, the model was used to calculate annual average particulate concentrations associated with site operations.

The model offers additional flexibility by allowing the user to assign an initial release height and vertical dispersion parameters for mobile sources representative of a roadway. For this HRA, the roadways were modeled as adjacent volume sources. Roadways were modeled using the U.S. EPA's haul route methodology for modeling of on-site and off-site truck movement. More specifically, the Haul Road Volume Source Calculator in Lakes AERMOD View has been utilized to determine the release height parameters. Based on the U.S. EPA methodology, the Project's modeled sources would result in a release height of 3.49 meters, and an initial lateral dimension of 4.0 meters, and an initial vertical dimension of 3.25 meters.

SCAQMD required model parameters are presented in Table 4-1 (8). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Riverside monitoring station (SRA 23) was used to represent local weather conditions and prevailing winds (9). A wind rose exhibit of the Riverside monitoring station is provided at Exhibit 4-A.

TABLE 4-1: AERMOD MODEL PARAMETERS

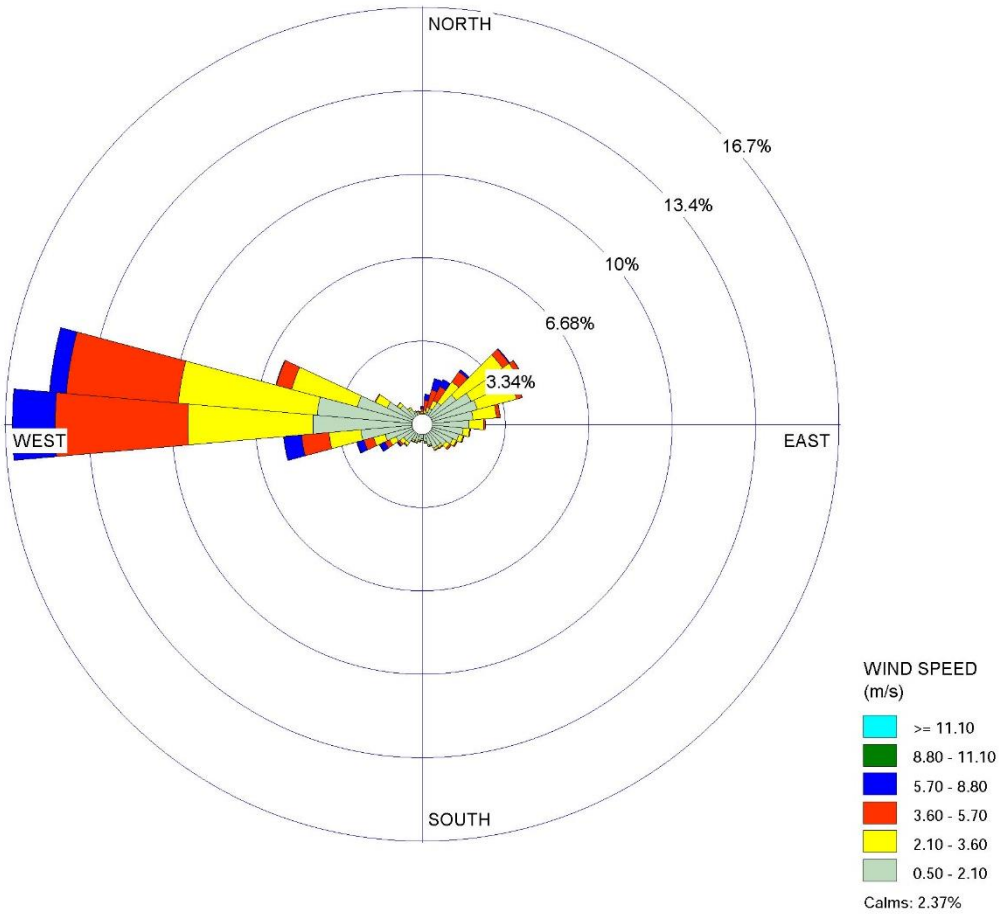
Dispersion Coefficient	Urban
Population	2,189,641
Terrain	Elevated (Regulatory Default)
Averaging Time	1 year (5-year Meteorological Data Set)
Receptor Height	0 meters (Regulatory Default)

Universal Transverse Mercator (UTM) coordinates for North American Datum 1983 (NAD 83) were used to locate the project boundaries, each volume source location, and receptor locations in the project vicinity. The AERMOD dispersion model summary output files for the proposed facility are presented in Appendix 4.1.

EXHIBIT 4-A: WIND ROSE (SRA 23)

WIND ROSE PLOT:
Station #3171

DISPLAY:
Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	Start Date: 1/1/2012 - 00:00 **End Date: 12/31/2016 - 23:59**	**Urban Crossroads, Inc.**	
		MODELER: **HQ**	
	CALM WINDS: **2.37%**	TOTAL COUNT: **43375 hrs.**	
	AVG. WIND SPEED: **2.51 m/s**	DATE: **12/10/2019**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

4.1 RECEPTORS

Receptors in the Project study area include existing residential homes and industrial uses, as illustrated on Exhibit 4-B. Receptors may be placed at applicable structure locations for residential and worker property and not necessarily the boundaries of the properties containing these uses because the human receptors (residents and workers) spend a majority of their time at the residence or in the workplace's building, and not on the property line. It should be noted that the primary purpose of receptor placement is focused on long-term exposure. For example, the HRA evaluates the potential health risks to residents and workers over a period of 30 or 25 years of exposure, respectively. As such, even though 30 or 25 years of outdoor exposure is unlikely to occur in practical terms (because of the amount of time spent indoors), this study assumes that a resident would be exposed over 30 years for 24-hours per day at the exterior of the structure where they reside and that a worker would be exposed over 25 years for 12-hours per day at the exterior of the property where they work, positioned on the property line closest to the Project site. Similarly, the HRA evaluates the potential health risks to school children and assumes a school child would be exposed over 9 years for 12-hours per day at the exterior of the school site(s) considered in this analysis.

Any impacts to residents or workers located further away from the Project site than the modeled residential and worker receptors would have a lesser impact than what has already been disclosed in the HRA at the maximally exposed individual receptor (MEIR) and maximally exposed individual worker (MEIW). Consistent with SCAQMD modeling guidance, all receptors were set to the elevation so that only ground-level concentrations are analyzed (10).

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Tables 4-2 through 4-4 summarize the Exposure Parameters for Residents, Offsite Worker, and School exposure scenarios based on 2015 OEHHA Guidelines. Appendix 4.1 includes the detailed risk calculation.

EXHIBIT 4-B: RECEPTOR LOCATIONS

TABLE 4-2: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (30 YEAR RESIDENTIAL)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
-0.25 to 0	361	10	0.25	0.85	350	24
0 to 2	1,090	10	2	0.85	350	24
2 to 16	572	3	14	0.72	350	24
16 to 30	261	1	14	0.73	350	24

TABLE 4-3: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (25 YEAR WORKER)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year)	Exposure Time (hours/day)
16 to 41	230	1	25	250	12

TABLE 4-4: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (9 YEAR SCHOOL CHILD)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year) [a]	Exposure Time (hours/day)
9 year duration	572	3	9	180	12

[a] To represent the unique characteristics of the school-based population, the assessment employed the U.S. Environmental Protection Agency's guidance to develop viable dose estimates based on reasonable maximum exposures (RME). RME's are defined as the "highest exposure that is reasonably expected to occur" for a given receptor population. As a result, lifetime risk values for the student population were adjusted to account for an exposure duration of 180 days per year for nine (9) years. The 9 year exposure duration is also consistent with OEHHA Recommendations and consistent with the exposure duration utilized in school-based risk assessments for various schools within the Los Angeles County Unified School District (LAUSD) that have been accepted by the SCAQMD.

This page intentionally left blank

5 EVALUATION OF HEALTH IMPACTS

5.1 CARCINOGENIC CHEMICAL RISK

Guidance from CARB and the CalEPA, OEHHA recommends a refinement to the standard point estimate approach when alternate human body weights and breathing rates are utilized to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose. Once determined, contaminant dose is multiplied by the CPF in units of inverse dose expressed in milligrams per kilogram per day (mg/kg/day)-1 to derive the cancer risk estimate. Therefore, to assess exposures, the following dose algorithm was utilized.

$$DOSE_{air} = (C_{air} \times [BR/BW] \times A \times EF) \times (1 \times 10^{-6})$$

Where:

$DOSE_{air}$	=	Chronic daily intake (mg/kg/day)
C_{air}	=	Concentration of contaminant in air (ug/m^3)
[BR/BW]	=	Daily breathing rate normalized to body weight (L/kg BW-day)
A	=	Inhalation absorption factor
EF	=	Exposure frequency (days/365 days)
BW	=	Body weight (kg)
1×10^{-6}	=	Conversion factors (ug to mg, L to m^3)

$$RISK_{air} = DOSE_{air} \times CPF \times ED/AT$$

Where:

$DOSE_{air}$	=	Chronic daily intake (mg/kg/day)
CPF	=	Cancer potency factor
ED	=	Number of years within particular age group
AT	=	Averaging time

5.2 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Noncarcinogenic effects typically affect one of more target organ systems and may be experienced either on short-term or long-term exposure to a given TAC. Such effects include eye, nose, throat, and lung irritation and can cause coughs, headaches, light-headedness, and nausea. Adverse health effects are evaluated by comparing a compound's annual concentration with its

toxicity factor or REL. The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic REL for DPM was established by OEHHA as 5 µg/m^3 (11).

The non-cancer hazard index was calculated (consistent with SCAQMD methodology) as follows:

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

$$HI_{DPM} = C_{DPM}/REL_{DPM}$$

Where:

HI_{DPM}	=	Hazard Index; an expression of the potential for non-cancer health effects.
C_{DPM}	=	Annual average DPM concentration (µg/m^3).
REL_{DPM}	=	REL for DPM; the DPM concentration at which no adverse health effects are anticipated.

For purposes of this analysis the hazard index for the respiratory endpoint totaled less than one for all receptors in the project vicinity, and thus is less than significant.

5.3 POTENTIAL PROJECT-RELATED DPM SOURCE CANCER AND NON-CANCER RISKS

RESIDENTIAL EXPOSURE SCENARIO

The residential land use with the greatest potential exposure to Project DPM source emissions is located at existing residential homes approximately 225 feet south of the Project site, across Alessandro Boulevard. As shown in Table 5-1, at the MEIR, the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 0.49 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.0002, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent residences. All other residential uses located further away from the Project would be exposed to less emissions and therefore less risk than the MEIR identified herein.

WORKER EXPOSURE SCENARIO

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located immediately adjacent to the Project site at the adjacent industrial use approximately 145 feet to the west. As shown in Table 5-1, at the MEIW, the maximum incremental cancer risk impact at this location is 0.08 in one million[4] which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.0003, which would not exceed the applicable threshold of 1.0. As such, the Project will

4 SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

not cause a significant human health or cancer risk to adjacent workers. All other modeled worker sites located further away from the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein.

SCHOOL CHILD EXPOSURE SCENARIO

The school site land use with the greatest potential exposure to Project DPM source emissions is at the Taft Elementary School located 1.1 miles (6,027 feet) northwest of the Project site. As shown in Table 5-1, at the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact attributable to the Project at this location is calculated to be an estimated 0.003 in one million which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be 0.000006, which would not exceed the applicable significance threshold of 1.0. Any other schools located at a further distance from the Project site would be exposed to less emissions and consequently less impacts than what is disclosed for the MEISC[5]. As such, the Project will not cause a significant human health or cancer risk to nearby school children.

TABLE 5-1: CANCER AND NON-CANCER RISKS

Location	Time Period[1]	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
Maximum Exposed Sensitive Receptor	30 Year Exposure	0.49	10	No
Maximum Exposed Worker Receptor	25 Year Exposure	0.08	10	No
Maximum Exposed School Child Receptor	9 Year Exposure	0.003	10	No
Location	**Time Period**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
Maximum Exposed Sensitive Receptor	Annual Average	0.0002	1.0	No
Maximum Exposed Worker Receptor	Annual Average	0.00003	1.0	No
Maximum Exposed School Child Receptor	Annual Average	0.000006	1.0	No

[1] Based on the Office of Environmental Health Hazard Assessment (OEHHA) recommendations, cancer risk to residential receptors are based on a 30-year exposure duration, 25 years for worker receptors, and 9 years for children at school sites (2).

5 In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on CARB and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (1).

This page intentionally left blank

6 CONCLUSIONS

CANCER RISK

As previously stated, cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to DPM exposure. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulative impact.

As identified in this HRA, impacts related to cancer risk would be within acceptable limits. As such, impacts related to health risk from the Project would be less than significant.

NON-CARCINOGENIC RISK

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

As identified in this HRA, impacts related to non-carcinogenic hazards are calculated to be within acceptable limits. As such, impacts related to health risk from the Project would be less than significant.

CUMULATIVE IMPACTS

The SCAQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (3). In this report the SCAQMD clearly states (Page D-3):

> *"…the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for toxic air contaminant (TAC) emissions. The project specific (project increment) significance threshold is HI > 1.0 while the cumulative (facility-wide) is HI > 3.0. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.*
>
> *Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do*

> *not exceed the project-specific thresholds are generally not considered to be cumulatively significant."*

The SCAQMD has not established separate cumulative thresholds and does not require combining impacts from cumulative projects. The SCAQMD considers projects that do not exceed the project-specific thresholds to generally not be cumulatively significant.[9] Therefore, impacts related to health risk from the Project would be less than significant.

7 REFERENCES

1. **South Coast Air Quality Managment District.** Mobile Source Toxics Analysis. [Online] 2003. http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html.
2. **Bay Area Air Quality Management District.** BAAQMD Air Toxics NSR Program Health Risk Assessment Guidelines. [Online] 2016. https://www.baaqmd.gov/~/media/files/planning-and-research/permit-modeling/hra_guidelines_12_7_2016_clean-pdf.pdf?la=en.
3. **Goss, Tracy A and Kroeger, Amy.** White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution. [Online] South Coast Air Quality Management District, 2003. http://www.aqmd.gov/rules/ciwg/final_white_paper.pdf.
4. **Urban Crossroads, Inc.** *Sycamore Hills Distribution Center Traffic Impact Analysis.* 2020.
5. **California Department of Transportation.** EMFAC Software. [Online] http://www.dot.ca.gov/hq/env/air/pages/emfac.htm.
6. **Air Resources Board.** *Air Quality and Land Use Handbook: A Community Health Perspective.* 2005.
7. **Wong, Jillian.** *Planning, Rule Development & Area Sources.* December 22, 2016.
8. **Environmental Protection Agency.** User's Guide for the AMS/EPA Regulatory Model - AERMOD. [Online] September 2004. http://www.epa.gov/scram001/7thconf/aermod/aermodugb.pdf.
9. **South Coast Air Quality Management District.** *Air Quality Reporting.* [pdf] Diamond Bar : Sierra Wade Associates, 1999.
10. —. South Coast AQMD Modeling Guidance for AERMOD. [Online] [Cited: September 18, 2019.] http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance.
11. **California Office of Environmental Health Hazard Assessment.** Toxicity Criteria Database. [Online] https://data.ca.gov/dataset/toxicity-criteria-database.

This page intentionally left blank

8 CERTIFICATIONS

The contents of this HRA represent an accurate depiction of the impacts to sensitive receptors associated with the proposed Sycamore Hills Distribution Center Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 336-5987.

Haseeb Qureshi
Associate Principal
URBAN CROSSROADS, INC.

hqureshi@urbanxroads.com

EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May, 2010

Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June, 2006

PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Environmental Site Assessment – American Society for Testing and Materials • June, 2013
Planned Communities and Urban Infill – Urban Land Institute • June, 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April, 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August, 2007
AB2588 Regulatory Standards – Trinity Consultants • November, 2006
Air Dispersion Modeling – Lakes Environmental • June, 2006

This page intentionally left blank

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 9.8.3
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 12/9/2019
** FILE: C:\LAKES\AERMOD VIEW\13040 HRA\13040 HRA.ADI
**
****************************************
**
**
****************************************
** AERMOD CONTROL PATHWAY
****************************************
**
**
CO STARTING
   TITLEONE C:\LAKES\AERMOD VIEW\13040 HRA\13040 HRA.ISC
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 2189641
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "13040 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 IDLING BUILDING A1
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 5.141E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 471391.432, 3753394.988, 483.30, 3.49, 4.00
```

```
** 471392.956, 3753155.674, 489.15, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0002068     VOLUME   471391.459 3753390.694 482.80
   LOCATION L0002069     VOLUME   471391.514 3753382.104 482.60
   LOCATION L0002070     VOLUME   471391.569 3753373.514 482.52
   LOCATION L0002071     VOLUME   471391.623 3753364.924 482.68
   LOCATION L0002072     VOLUME   471391.678 3753356.334 482.83
   LOCATION L0002073     VOLUME   471391.733 3753347.744 482.98
   LOCATION L0002074     VOLUME   471391.788 3753339.155 484.12
   LOCATION L0002075     VOLUME   471391.842 3753330.565 485.40
   LOCATION L0002076     VOLUME   471391.897 3753321.975 486.69
   LOCATION L0002077     VOLUME   471391.952 3753313.385 487.55
   LOCATION L0002078     VOLUME   471392.006 3753304.795 487.69
   LOCATION L0002079     VOLUME   471392.061 3753296.205 487.84
   LOCATION L0002080     VOLUME   471392.116 3753287.616 487.98
   LOCATION L0002081     VOLUME   471392.170 3753279.026 488.00
   LOCATION L0002082     VOLUME   471392.225 3753270.436 488.00
   LOCATION L0002083     VOLUME   471392.280 3753261.846 488.00
   LOCATION L0002084     VOLUME   471392.335 3753253.256 488.00
   LOCATION L0002085     VOLUME   471392.389 3753244.667 488.00
   LOCATION L0002086     VOLUME   471392.444 3753236.077 488.00
   LOCATION L0002087     VOLUME   471392.499 3753227.487 488.00
   LOCATION L0002088     VOLUME   471392.553 3753218.897 488.20
   LOCATION L0002089     VOLUME   471392.608 3753210.307 488.42
   LOCATION L0002090     VOLUME   471392.663 3753201.717 488.64
   LOCATION L0002091     VOLUME   471392.718 3753193.128 488.83
   LOCATION L0002092     VOLUME   471392.772 3753184.538 488.96
   LOCATION L0002093     VOLUME   471392.827 3753175.948 489.09
   LOCATION L0002094     VOLUME   471392.882 3753167.358 489.21
   LOCATION L0002095     VOLUME   471392.936 3753158.768 489.22
** END OF LINE VOLUME SOURCE ID = SLINE1
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE2
** DESCRSRC ON-SITE IDLING BUILDING A2
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 5.141E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 471527.602, 3753398.545, 481.83, 3.49, 4.00
** 471530.143, 3753151.609, 487.25, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0002096     VOLUME   471527.646 3753394.250 482.14
   LOCATION L0002097     VOLUME   471527.735 3753385.661 482.56
   LOCATION L0002098     VOLUME   471527.823 3753377.071 482.98
```

```
   LOCATION L0002099     VOLUME   471527.912 3753368.482 483.81
   LOCATION L0002100     VOLUME   471528.000 3753359.892 484.67
   LOCATION L0002101     VOLUME   471528.088 3753351.303 485.53
   LOCATION L0002102     VOLUME   471528.177 3753342.713 486.04
   LOCATION L0002103     VOLUME   471528.265 3753334.124 486.12
   LOCATION L0002104     VOLUME   471528.353 3753325.534 486.21
   LOCATION L0002105     VOLUME   471528.442 3753316.944 486.29
   LOCATION L0002106     VOLUME   471528.530 3753308.355 486.57
   LOCATION L0002107     VOLUME   471528.618 3753299.765 486.86
   LOCATION L0002108     VOLUME   471528.707 3753291.176 487.15
   LOCATION L0002109     VOLUME   471528.795 3753282.586 487.31
   LOCATION L0002110     VOLUME   471528.884 3753273.997 487.31
   LOCATION L0002111     VOLUME   471528.972 3753265.407 487.31
   LOCATION L0002112     VOLUME   471529.060 3753256.818 487.32
   LOCATION L0002113     VOLUME   471529.149 3753248.228 487.32
   LOCATION L0002114     VOLUME   471529.237 3753239.639 487.32
   LOCATION L0002115     VOLUME   471529.325 3753231.049 487.33
   LOCATION L0002116     VOLUME   471529.414 3753222.459 487.33
   LOCATION L0002117     VOLUME   471529.502 3753213.870 487.33
   LOCATION L0002118     VOLUME   471529.591 3753205.280 487.33
   LOCATION L0002119     VOLUME   471529.679 3753196.691 487.34
   LOCATION L0002120     VOLUME   471529.767 3753188.101 487.34
   LOCATION L0002121     VOLUME   471529.856 3753179.512 487.34
   LOCATION L0002122     VOLUME   471529.944 3753170.922 487.35
   LOCATION L0002123     VOLUME   471530.032 3753162.333 487.35
   LOCATION L0002124     VOLUME   471530.121 3753153.743 487.35
** END OF LINE VOLUME SOURCE ID = SLINE2
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE3
** DESCRSRC ON-SITE IDLING BUILDING B
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00002088
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 471050.498, 3753215.630, 492.44, 3.49, 4.00
** 471213.089, 3753216.138, 488.25, 3.49, 4.00
** ---------------------------------------------------------------------
   LOCATION L0002125     VOLUME   471054.793 3753215.643 492.04
   LOCATION L0002126     VOLUME   471063.383 3753215.670 491.65
   LOCATION L0002127     VOLUME   471071.973 3753215.697 491.28
   LOCATION L0002128     VOLUME   471080.563 3753215.724 491.00
   LOCATION L0002129     VOLUME   471089.153 3753215.751 490.71
   LOCATION L0002130     VOLUME   471097.743 3753215.777 490.42
   LOCATION L0002131     VOLUME   471106.333 3753215.804 489.99
```

```
   LOCATION L0002132     VOLUME   471114.923 3753215.831 489.52
   LOCATION L0002133     VOLUME   471123.513 3753215.858 489.05
   LOCATION L0002134     VOLUME   471132.102 3753215.885 488.69
   LOCATION L0002135     VOLUME   471140.692 3753215.912 488.58
   LOCATION L0002136     VOLUME   471149.282 3753215.938 488.48
   LOCATION L0002137     VOLUME   471157.872 3753215.965 488.38
   LOCATION L0002138     VOLUME   471166.462 3753215.992 488.35
   LOCATION L0002139     VOLUME   471175.052 3753216.019 488.35
   LOCATION L0002140     VOLUME   471183.642 3753216.046 488.35
   LOCATION L0002141     VOLUME   471192.232 3753216.073 488.35
   LOCATION L0002142     VOLUME   471200.822 3753216.100 488.35
   LOCATION L0002143     VOLUME   471209.412 3753216.126 488.35
** END OF LINE VOLUME SOURCE ID = SLINE3
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE4
** DESCRSRC ON-SITE TRAVEL BUILDING A1
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 2.643E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 8
** 471459.396, 3753445.026, 487.81, 3.49, 4.00
** 471389.778, 3753446.550, 484.06, 3.49, 4.00
** 471387.745, 3753444.518, 483.90, 3.49, 4.00
** 471385.204, 3753410.470, 482.32, 3.49, 4.00
** 471381.647, 3753391.160, 481.63, 3.49, 4.00
** 471370.467, 3753244.300, 487.92, 3.49, 4.00
** 471369.451, 3753148.765, 489.82, 3.49, 4.00
** 471368.948, 3752967.303, 489.46, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0002144     VOLUME   471455.102 3753445.120 488.28
   LOCATION L0002145     VOLUME   471446.514 3753445.308 488.29
   LOCATION L0002146     VOLUME   471437.926 3753445.496 488.30
   LOCATION L0002147     VOLUME   471429.339 3753445.684 488.28
   LOCATION L0002148     VOLUME   471420.751 3753445.872 487.52
   LOCATION L0002149     VOLUME   471412.163 3753446.060 486.76
   LOCATION L0002150     VOLUME   471403.575 3753446.248 486.00
   LOCATION L0002151     VOLUME   471394.987 3753446.436 485.30
   LOCATION L0002152     VOLUME   471387.707 3753444.014 484.60
   LOCATION L0002153     VOLUME   471387.068 3753435.448 484.11
   LOCATION L0002154     VOLUME   471386.429 3753426.882 483.66
   LOCATION L0002155     VOLUME   471385.790 3753418.315 483.19
   LOCATION L0002156     VOLUME   471385.073 3753409.759 482.71
   LOCATION L0002157     VOLUME   471383.517 3753401.311 482.31
   LOCATION L0002158     VOLUME   471381.961 3753392.863 482.05
```

LOCATION	L0002159	VOLUME	471381.126	3753384.322	481.87
LOCATION	L0002160	VOLUME	471380.474	3753375.757	481.76
LOCATION	L0002161	VOLUME	471379.822	3753367.191	482.10
LOCATION	L0002162	VOLUME	471379.170	3753358.626	482.46
LOCATION	L0002163	VOLUME	471378.518	3753350.061	482.84
LOCATION	L0002164	VOLUME	471377.866	3753341.496	483.61
LOCATION	L0002165	VOLUME	471377.214	3753332.931	484.60
LOCATION	L0002166	VOLUME	471376.562	3753324.365	485.57
LOCATION	L0002167	VOLUME	471375.910	3753315.800	486.47
LOCATION	L0002168	VOLUME	471375.258	3753307.235	486.89
LOCATION	L0002169	VOLUME	471374.606	3753298.670	487.33
LOCATION	L0002170	VOLUME	471373.954	3753290.105	487.80
LOCATION	L0002171	VOLUME	471373.302	3753281.539	488.00
LOCATION	L0002172	VOLUME	471372.650	3753272.974	488.00
LOCATION	L0002173	VOLUME	471371.998	3753264.409	488.00
LOCATION	L0002174	VOLUME	471371.346	3753255.844	488.00
LOCATION	L0002175	VOLUME	471370.694	3753247.278	488.00
LOCATION	L0002176	VOLUME	471370.408	3753238.697	488.00
LOCATION	L0002177	VOLUME	471370.316	3753230.108	488.00
LOCATION	L0002178	VOLUME	471370.225	3753221.518	488.00
LOCATION	L0002179	VOLUME	471370.134	3753212.929	488.01
LOCATION	L0002180	VOLUME	471370.042	3753204.339	488.01
LOCATION	L0002181	VOLUME	471369.951	3753195.750	488.07
LOCATION	L0002182	VOLUME	471369.859	3753187.160	488.64
LOCATION	L0002183	VOLUME	471369.768	3753178.571	489.20
LOCATION	L0002184	VOLUME	471369.677	3753169.981	489.77
LOCATION	L0002185	VOLUME	471369.585	3753161.392	490.00
LOCATION	L0002186	VOLUME	471369.494	3753152.802	490.00
LOCATION	L0002187	VOLUME	471369.438	3753144.212	490.00
LOCATION	L0002188	VOLUME	471369.415	3753135.622	490.00
LOCATION	L0002189	VOLUME	471369.391	3753127.033	490.00
LOCATION	L0002190	VOLUME	471369.367	3753118.443	490.00
LOCATION	L0002191	VOLUME	471369.343	3753109.853	490.00
LOCATION	L0002192	VOLUME	471369.319	3753101.263	490.18
LOCATION	L0002193	VOLUME	471369.295	3753092.673	490.46
LOCATION	L0002194	VOLUME	471369.272	3753084.083	490.74
LOCATION	L0002195	VOLUME	471369.248	3753075.493	490.95
LOCATION	L0002196	VOLUME	471369.224	3753066.903	490.67
LOCATION	L0002197	VOLUME	471369.200	3753058.313	490.38
LOCATION	L0002198	VOLUME	471369.176	3753049.723	490.10
LOCATION	L0002199	VOLUME	471369.153	3753041.133	490.00
LOCATION	L0002200	VOLUME	471369.129	3753032.543	490.01
LOCATION	L0002201	VOLUME	471369.105	3753023.953	490.01
LOCATION	L0002202	VOLUME	471369.081	3753015.363	489.93
LOCATION	L0002203	VOLUME	471369.057	3753006.773	489.37
LOCATION	L0002204	VOLUME	471369.033	3752998.183	488.81
LOCATION	L0002205	VOLUME	471369.010	3752989.593	488.25
LOCATION	L0002206	VOLUME	471368.986	3752981.003	488.25

```
   LOCATION L0002207     VOLUME   471368.962 3752972.413 488.54
** END OF LINE VOLUME SOURCE ID = SLINE4
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE5
** DESCRSRC ON-SITE TRAVEL BUILDING A2
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 3.409E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 11
** 471459.852, 3753446.934, 487.73, 3.49, 4.00
** 471523.866, 3753444.121, 481.26, 3.49, 4.00
** 471544.969, 3753408.948, 482.94, 3.49, 4.00
** 471549.893, 3753361.114, 484.71, 3.49, 4.00
** 471554.114, 3753147.267, 487.88, 3.49, 4.00
** 471551.300, 3753115.612, 487.00, 3.49, 4.00
** 471544.969, 3753108.578, 487.00, 3.49, 4.00
** 471530.900, 3753107.171, 487.05, 3.49, 4.00
** 471455.632, 3753105.060, 488.04, 3.49, 4.00
** 471373.329, 3753102.247, 490.06, 3.49, 4.00
** 471368.405, 3752972.109, 488.73, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0002208     VOLUME   471464.143 3753446.746 487.98
   LOCATION L0002209     VOLUME   471472.725 3753446.369 487.31
   LOCATION L0002210     VOLUME   471481.307 3753445.991 486.64
   LOCATION L0002211     VOLUME   471489.888 3753445.614 485.95
   LOCATION L0002212     VOLUME   471498.470 3753445.237 484.52
   LOCATION L0002213     VOLUME   471507.052 3753444.860 483.09
   LOCATION L0002214     VOLUME   471515.633 3753444.482 481.66
   LOCATION L0002215     VOLUME   471524.046 3753443.821 481.11
   LOCATION L0002216     VOLUME   471528.465 3753436.455 481.30
   LOCATION L0002217     VOLUME   471532.885 3753429.089 481.56
   LOCATION L0002218     VOLUME   471537.304 3753421.723 481.88
   LOCATION L0002219     VOLUME   471541.724 3753414.357 482.29
   LOCATION L0002220     VOLUME   471545.203 3753406.678 482.71
   LOCATION L0002221     VOLUME   471546.082 3753398.133 482.83
   LOCATION L0002222     VOLUME   471546.962 3753389.588 482.92
   LOCATION L0002223     VOLUME   471547.842 3753381.044 482.98
   LOCATION L0002224     VOLUME   471548.721 3753372.499 483.41
   LOCATION L0002225     VOLUME   471549.601 3753363.954 484.27
   LOCATION L0002226     VOLUME   471550.006 3753355.380 485.13
   LOCATION L0002227     VOLUME   471550.176 3753346.792 485.98
   LOCATION L0002228     VOLUME   471550.345 3753338.203 486.28
   LOCATION L0002229     VOLUME   471550.515 3753329.615 486.57
   LOCATION L0002230     VOLUME   471550.684 3753321.027 486.85
```

LOCATION	L0002231	VOLUME	471550.854	3753312.438	487.14
LOCATION	L0002232	VOLUME	471551.023	3753303.850	487.43
LOCATION	L0002233	VOLUME	471551.193	3753295.262	487.71
LOCATION	L0002234	VOLUME	471551.362	3753286.673	488.00
LOCATION	L0002235	VOLUME	471551.532	3753278.085	488.00
LOCATION	L0002236	VOLUME	471551.701	3753269.497	488.00
LOCATION	L0002237	VOLUME	471551.871	3753260.908	488.00
LOCATION	L0002238	VOLUME	471552.040	3753252.320	488.00
LOCATION	L0002239	VOLUME	471552.210	3753243.732	488.00
LOCATION	L0002240	VOLUME	471552.380	3753235.143	488.00
LOCATION	L0002241	VOLUME	471552.549	3753226.555	488.00
LOCATION	L0002242	VOLUME	471552.719	3753217.967	488.00
LOCATION	L0002243	VOLUME	471552.888	3753209.378	488.00
LOCATION	L0002244	VOLUME	471553.058	3753200.790	488.00
LOCATION	L0002245	VOLUME	471553.227	3753192.202	488.00
LOCATION	L0002246	VOLUME	471553.397	3753183.614	488.00
LOCATION	L0002247	VOLUME	471553.566	3753175.025	488.00
LOCATION	L0002248	VOLUME	471553.736	3753166.437	488.00
LOCATION	L0002249	VOLUME	471553.905	3753157.849	488.00
LOCATION	L0002250	VOLUME	471554.075	3753149.260	488.00
LOCATION	L0002251	VOLUME	471553.530	3753140.696	488.00
LOCATION	L0002252	VOLUME	471552.769	3753132.140	487.85
LOCATION	L0002253	VOLUME	471552.009	3753123.584	487.57
LOCATION	L0002254	VOLUME	471550.908	3753115.176	487.28
LOCATION	L0002255	VOLUME	471545.161	3753108.791	487.06
LOCATION	L0002256	VOLUME	471536.708	3753107.751	487.02
LOCATION	L0002257	VOLUME	471528.148	3753107.094	487.00
LOCATION	L0002258	VOLUME	471519.561	3753106.853	487.00
LOCATION	L0002259	VOLUME	471510.974	3753106.612	487.29
LOCATION	L0002260	VOLUME	471502.388	3753106.371	487.57
LOCATION	L0002261	VOLUME	471493.801	3753106.131	487.84
LOCATION	L0002262	VOLUME	471485.214	3753105.890	487.98
LOCATION	L0002263	VOLUME	471476.628	3753105.649	487.98
LOCATION	L0002264	VOLUME	471468.041	3753105.408	487.99
LOCATION	L0002265	VOLUME	471459.455	3753105.168	488.00
LOCATION	L0002266	VOLUME	471450.869	3753104.898	488.29
LOCATION	L0002267	VOLUME	471442.284	3753104.604	488.58
LOCATION	L0002268	VOLUME	471433.699	3753104.311	488.86
LOCATION	L0002269	VOLUME	471425.114	3753104.017	489.15
LOCATION	L0002270	VOLUME	471416.529	3753103.724	489.43
LOCATION	L0002271	VOLUME	471407.944	3753103.430	489.72
LOCATION	L0002272	VOLUME	471399.359	3753103.137	490.00
LOCATION	L0002273	VOLUME	471390.774	3753102.843	490.04
LOCATION	L0002274	VOLUME	471382.189	3753102.550	490.08
LOCATION	L0002275	VOLUME	471373.604	3753102.256	490.13
LOCATION	L0002276	VOLUME	471373.014	3753093.938	490.37
LOCATION	L0002277	VOLUME	471372.690	3753085.354	490.64
LOCATION	L0002278	VOLUME	471372.365	3753076.770	490.90

```
   LOCATION L0002279     VOLUME   471372.040 3753068.186 490.64
   LOCATION L0002280     VOLUME   471371.715 3753059.603 490.36
   LOCATION L0002281     VOLUME   471371.390 3753051.019 490.09
   LOCATION L0002282     VOLUME   471371.066 3753042.435 489.94
   LOCATION L0002283     VOLUME   471370.741 3753033.851 489.94
   LOCATION L0002284     VOLUME   471370.416 3753025.267 489.95
   LOCATION L0002285     VOLUME   471370.091 3753016.683 489.96
   LOCATION L0002286     VOLUME   471369.766 3753008.099 489.42
   LOCATION L0002287     VOLUME   471369.442 3752999.516 488.87
   LOCATION L0002288     VOLUME   471369.117 3752990.932 488.33
   LOCATION L0002289     VOLUME   471368.792 3752982.348 488.22
   LOCATION L0002290     VOLUME   471368.467 3752973.764 488.55
** END OF LINE VOLUME SOURCE ID = SLINE5
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE6
** DESCRSRC ON-SITE TRAVEL BUILDING B
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00001037
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 4
** 471050.909, 3753326.485, 495.00, 3.49, 4.00
** 471224.197, 3753327.372, 486.99, 3.49, 4.00
** 471222.734, 3753193.002, 488.97, 3.49, 4.00
** 470998.393, 3753193.694, 494.92, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0002663     VOLUME   471055.204 3753326.507 494.67
   LOCATION L0002664     VOLUME   471063.794 3753326.551 494.67
   LOCATION L0002665     VOLUME   471072.384 3753326.595 494.67
   LOCATION L0002666     VOLUME   471080.974 3753326.639 494.67
   LOCATION L0002667     VOLUME   471089.564 3753326.683 494.67
   LOCATION L0002668     VOLUME   471098.154 3753326.727 494.66
   LOCATION L0002669     VOLUME   471106.744 3753326.771 494.50
   LOCATION L0002670     VOLUME   471115.334 3753326.814 494.31
   LOCATION L0002671     VOLUME   471123.923 3753326.858 494.12
   LOCATION L0002672     VOLUME   471132.513 3753326.902 494.00
   LOCATION L0002673     VOLUME   471141.103 3753326.946 494.00
   LOCATION L0002674     VOLUME   471149.693 3753326.990 494.00
   LOCATION L0002675     VOLUME   471158.283 3753327.034 494.00
   LOCATION L0002676     VOLUME   471166.873 3753327.078 493.44
   LOCATION L0002677     VOLUME   471175.463 3753327.122 492.78
   LOCATION L0002678     VOLUME   471184.053 3753327.166 492.12
   LOCATION L0002679     VOLUME   471192.643 3753327.210 491.11
   LOCATION L0002680     VOLUME   471201.232 3753327.254 489.46
   LOCATION L0002681     VOLUME   471209.822 3753327.298 487.81
```

```
   LOCATION L0002682     VOLUME   471218.412 3753327.342 486.15
   LOCATION L0002683     VOLUME   471224.167 3753324.567 485.75
   LOCATION L0002684     VOLUME   471224.073 3753315.978 486.58
   LOCATION L0002685     VOLUME   471223.980 3753307.388 487.00
   LOCATION L0002686     VOLUME   471223.886 3753298.799 487.42
   LOCATION L0002687     VOLUME   471223.793 3753290.209 487.83
   LOCATION L0002688     VOLUME   471223.699 3753281.620 488.00
   LOCATION L0002689     VOLUME   471223.606 3753273.030 488.00
   LOCATION L0002690     VOLUME   471223.512 3753264.441 488.00
   LOCATION L0002691     VOLUME   471223.419 3753255.851 488.00
   LOCATION L0002692     VOLUME   471223.325 3753247.262 488.00
   LOCATION L0002693     VOLUME   471223.232 3753238.673 488.00
   LOCATION L0002694     VOLUME   471223.138 3753230.083 488.00
   LOCATION L0002695     VOLUME   471223.044 3753221.494 488.15
   LOCATION L0002696     VOLUME   471222.951 3753212.904 488.41
   LOCATION L0002697     VOLUME   471222.857 3753204.315 488.66
   LOCATION L0002698     VOLUME   471222.764 3753195.725 488.89
   LOCATION L0002699     VOLUME   471216.867 3753193.020 489.01
   LOCATION L0002700     VOLUME   471208.278 3753193.047 489.04
   LOCATION L0002701     VOLUME   471199.688 3753193.073 489.08
   LOCATION L0002702     VOLUME   471191.098 3753193.100 489.11
   LOCATION L0002703     VOLUME   471182.508 3753193.126 489.12
   LOCATION L0002704     VOLUME   471173.918 3753193.153 489.12
   LOCATION L0002705     VOLUME   471165.328 3753193.179 489.12
   LOCATION L0002706     VOLUME   471156.738 3753193.206 489.21
   LOCATION L0002707     VOLUME   471148.148 3753193.232 489.49
   LOCATION L0002708     VOLUME   471139.558 3753193.259 489.78
   LOCATION L0002709     VOLUME   471130.968 3753193.285 490.06
   LOCATION L0002710     VOLUME   471122.378 3753193.312 490.35
   LOCATION L0002711     VOLUME   471113.788 3753193.338 490.64
   LOCATION L0002712     VOLUME   471105.198 3753193.365 490.92
   LOCATION L0002713     VOLUME   471096.608 3753193.391 491.21
   LOCATION L0002714     VOLUME   471088.018 3753193.418 491.49
   LOCATION L0002715     VOLUME   471079.428 3753193.444 491.78
   LOCATION L0002716     VOLUME   471070.838 3753193.471 492.06
   LOCATION L0002717     VOLUME   471062.248 3753193.497 492.57
   LOCATION L0002718     VOLUME   471053.658 3753193.524 493.11
   LOCATION L0002719     VOLUME   471045.068 3753193.550 493.65
   LOCATION L0002720     VOLUME   471036.478 3753193.577 494.01
   LOCATION L0002721     VOLUME   471027.888 3753193.603 494.04
   LOCATION L0002722     VOLUME   471019.298 3753193.630 494.07
   LOCATION L0002723     VOLUME   471010.708 3753193.656 494.10
   LOCATION L0002724     VOLUME   471002.118 3753193.683 494.59
** END OF LINE VOLUME SOURCE ID = SLINE6
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE7
** DESCRSRC OFF-SITE TRAVEL 33% INBOUND/OUTBOUND
```

```
** PREFIX
** LENGTH OF SIDE = 36.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00001381
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 470987.233, 3753194.054, 495.92, 3.49, 16.74
** 470991.419, 3752942.874, 496.54, 3.49, 16.74
** 473838.707, 3752969.454, 469.00, 3.49, 16.74
** ------------------------------------------------------------------
   LOCATION L0002577     VOLUME   470987.533 3753176.057 496.15
   LOCATION L0002578     VOLUME   470988.133 3753140.062 497.95
   LOCATION L0002579     VOLUME   470988.733 3753104.067 498.05
   LOCATION L0002580     VOLUME   470989.333 3753068.072 497.87
   LOCATION L0002581     VOLUME   470989.932 3753032.077 498.31
   LOCATION L0002582     VOLUME   470990.532 3752996.082 498.02
   LOCATION L0002583     VOLUME   470991.132 3752960.087 496.07
   LOCATION L0002584     VOLUME   471010.204 3752943.050 493.99
   LOCATION L0002585     VOLUME   471046.202 3752943.386 493.54
   LOCATION L0002586     VOLUME   471082.201 3752943.722 493.68
   LOCATION L0002587     VOLUME   471118.199 3752944.058 493.42
   LOCATION L0002588     VOLUME   471154.197 3752944.394 493.41
   LOCATION L0002589     VOLUME   471190.196 3752944.730 493.79
   LOCATION L0002590     VOLUME   471226.194 3752945.066 493.47
   LOCATION L0002591     VOLUME   471262.193 3752945.402 493.59
   LOCATION L0002592     VOLUME   471298.191 3752945.738 493.36
   LOCATION L0002593     VOLUME   471334.190 3752946.074 493.35
   LOCATION L0002594     VOLUME   471370.188 3752946.410 490.02
   LOCATION L0002595     VOLUME   471406.186 3752946.746 490.28
   LOCATION L0002596     VOLUME   471442.185 3752947.082 491.43
   LOCATION L0002597     VOLUME   471478.183 3752947.418 491.42
   LOCATION L0002598     VOLUME   471514.182 3752947.755 491.78
   LOCATION L0002599     VOLUME   471550.180 3752948.091 491.55
   LOCATION L0002600     VOLUME   471586.179 3752948.427 490.49
   LOCATION L0002601     VOLUME   471622.177 3752948.763 489.84
   LOCATION L0002602     VOLUME   471658.175 3752949.099 490.96
   LOCATION L0002603     VOLUME   471694.174 3752949.435 492.39
   LOCATION L0002604     VOLUME   471730.172 3752949.771 493.21
   LOCATION L0002605     VOLUME   471766.171 3752950.107 492.17
   LOCATION L0002606     VOLUME   471802.169 3752950.443 490.45
   LOCATION L0002607     VOLUME   471838.168 3752950.779 489.27
   LOCATION L0002608     VOLUME   471874.166 3752951.115 489.18
   LOCATION L0002609     VOLUME   471910.165 3752951.451 488.15
   LOCATION L0002610     VOLUME   471946.163 3752951.787 487.13
   LOCATION L0002611     VOLUME   471982.161 3752952.123 487.19
   LOCATION L0002612     VOLUME   472018.160 3752952.459 487.76
   LOCATION L0002613     VOLUME   472054.158 3752952.795 487.58
```

LOCATION	L0002614	VOLUME	472090.157	3752953.131	487.58
LOCATION	L0002615	VOLUME	472126.155	3752953.467	487.26
LOCATION	L0002616	VOLUME	472162.154	3752953.803	484.53
LOCATION	L0002617	VOLUME	472198.152	3752954.139	480.18
LOCATION	L0002618	VOLUME	472234.150	3752954.476	476.54
LOCATION	L0002619	VOLUME	472270.149	3752954.812	475.00
LOCATION	L0002620	VOLUME	472306.147	3752955.148	474.79
LOCATION	L0002621	VOLUME	472342.146	3752955.484	474.04
LOCATION	L0002622	VOLUME	472378.144	3752955.820	474.03
LOCATION	L0002623	VOLUME	472414.143	3752956.156	474.82
LOCATION	L0002624	VOLUME	472450.141	3752956.492	474.00
LOCATION	L0002625	VOLUME	472486.139	3752956.828	474.22
LOCATION	L0002626	VOLUME	472522.138	3752957.164	474.98
LOCATION	L0002627	VOLUME	472558.136	3752957.500	474.97
LOCATION	L0002628	VOLUME	472594.135	3752957.836	474.96
LOCATION	L0002629	VOLUME	472630.133	3752958.172	475.00
LOCATION	L0002630	VOLUME	472666.132	3752958.508	474.94
LOCATION	L0002631	VOLUME	472702.130	3752958.844	474.93
LOCATION	L0002632	VOLUME	472738.128	3752959.180	474.30
LOCATION	L0002633	VOLUME	472774.127	3752959.516	473.17
LOCATION	L0002634	VOLUME	472810.125	3752959.852	472.88
LOCATION	L0002635	VOLUME	472846.124	3752960.188	472.00
LOCATION	L0002636	VOLUME	472882.122	3752960.524	472.00
LOCATION	L0002637	VOLUME	472918.121	3752960.860	471.47
LOCATION	L0002638	VOLUME	472954.119	3752961.197	470.34
LOCATION	L0002639	VOLUME	472990.117	3752961.533	469.00
LOCATION	L0002640	VOLUME	473026.116	3752961.869	468.78
LOCATION	L0002641	VOLUME	473062.114	3752962.205	468.00
LOCATION	L0002642	VOLUME	473098.113	3752962.541	468.00
LOCATION	L0002643	VOLUME	473134.111	3752962.877	467.53
LOCATION	L0002644	VOLUME	473170.110	3752963.213	466.66
LOCATION	L0002645	VOLUME	473206.108	3752963.549	465.97
LOCATION	L0002646	VOLUME	473242.106	3752963.885	464.76
LOCATION	L0002647	VOLUME	473278.105	3752964.221	464.75
LOCATION	L0002648	VOLUME	473314.103	3752964.557	464.95
LOCATION	L0002649	VOLUME	473350.102	3752964.893	465.00
LOCATION	L0002650	VOLUME	473386.100	3752965.229	464.78
LOCATION	L0002651	VOLUME	473422.099	3752965.565	464.00
LOCATION	L0002652	VOLUME	473458.097	3752965.901	463.38
LOCATION	L0002653	VOLUME	473494.096	3752966.237	463.00
LOCATION	L0002654	VOLUME	473530.094	3752966.573	464.01
LOCATION	L0002655	VOLUME	473566.092	3752966.909	465.21
LOCATION	L0002656	VOLUME	473602.091	3752967.245	466.27
LOCATION	L0002657	VOLUME	473638.089	3752967.581	466.86
LOCATION	L0002658	VOLUME	473674.088	3752967.917	467.00
LOCATION	L0002659	VOLUME	473710.086	3752968.254	467.01
LOCATION	L0002660	VOLUME	473746.085	3752968.590	468.00
LOCATION	L0002661	VOLUME	473782.083	3752968.926	468.24

```
   LOCATION L0002662     VOLUME   473818.081 3752969.262 468.84
** END OF LINE VOLUME SOURCE ID = SLINE7
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE8
** DESCRSRC OFF-SITE TRAVEL 67% INBOUND/OUTBOUND
** PREFIX
** LENGTH OF SIDE = 36.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00002239
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 471365.227, 3752945.498, 490.31, 3.49, 16.74
** 473838.707, 3752969.454, 469.00, 3.49, 16.74
** ---------------------------------------------------------------------
   LOCATION L0002439     VOLUME   471383.227 3752945.672 490.10
   LOCATION L0002440     VOLUME   471419.225 3752946.021 490.95
   LOCATION L0002441     VOLUME   471455.223 3752946.369 491.64
   LOCATION L0002442     VOLUME   471491.221 3752946.718 491.37
   LOCATION L0002443     VOLUME   471527.220 3752947.067 491.88
   LOCATION L0002444     VOLUME   471563.218 3752947.415 491.16
   LOCATION L0002445     VOLUME   471599.216 3752947.764 490.40
   LOCATION L0002446     VOLUME   471635.215 3752948.113 489.43
   LOCATION L0002447     VOLUME   471671.213 3752948.461 492.03
   LOCATION L0002448     VOLUME   471707.211 3752948.810 492.71
   LOCATION L0002449     VOLUME   471743.210 3752949.159 492.91
   LOCATION L0002450     VOLUME   471779.208 3752949.507 491.66
   LOCATION L0002451     VOLUME   471815.206 3752949.856 489.71
   LOCATION L0002452     VOLUME   471851.205 3752950.205 489.21
   LOCATION L0002453     VOLUME   471887.203 3752950.553 488.95
   LOCATION L0002454     VOLUME   471923.201 3752950.902 487.74
   LOCATION L0002455     VOLUME   471959.200 3752951.251 487.06
   LOCATION L0002456     VOLUME   471995.198 3752951.599 487.43
   LOCATION L0002457     VOLUME   472031.196 3752951.948 488.07
   LOCATION L0002458     VOLUME   472067.194 3752952.297 487.61
   LOCATION L0002459     VOLUME   472103.193 3752952.645 487.66
   LOCATION L0002460     VOLUME   472139.191 3752952.994 486.79
   LOCATION L0002461     VOLUME   472175.189 3752953.342 482.73
   LOCATION L0002462     VOLUME   472211.188 3752953.691 478.84
   LOCATION L0002463     VOLUME   472247.186 3752954.040 475.75
   LOCATION L0002464     VOLUME   472283.184 3752954.388 475.00
   LOCATION L0002465     VOLUME   472319.183 3752954.737 474.39
   LOCATION L0002466     VOLUME   472355.181 3752955.086 474.05
   LOCATION L0002467     VOLUME   472391.179 3752955.434 474.09
   LOCATION L0002468     VOLUME   472427.178 3752955.783 474.75
   LOCATION L0002469     VOLUME   472463.176 3752956.132 474.02
   LOCATION L0002470     VOLUME   472499.174 3752956.480 474.65
```

```
   LOCATION L0002471     VOLUME   472535.173 3752956.829 474.99
   LOCATION L0002472     VOLUME   472571.171 3752957.178 474.98
   LOCATION L0002473     VOLUME   472607.169 3752957.526 474.98
   LOCATION L0002474     VOLUME   472643.167 3752957.875 474.98
   LOCATION L0002475     VOLUME   472679.166 3752958.224 474.95
   LOCATION L0002476     VOLUME   472715.164 3752958.572 474.93
   LOCATION L0002477     VOLUME   472751.162 3752958.921 473.88
   LOCATION L0002478     VOLUME   472787.161 3752959.270 472.98
   LOCATION L0002479     VOLUME   472823.159 3752959.618 472.49
   LOCATION L0002480     VOLUME   472859.157 3752959.967 472.00
   LOCATION L0002481     VOLUME   472895.156 3752960.316 472.00
   LOCATION L0002482     VOLUME   472931.154 3752960.664 471.08
   LOCATION L0002483     VOLUME   472967.152 3752961.013 469.86
   LOCATION L0002484     VOLUME   473003.151 3752961.362 469.00
   LOCATION L0002485     VOLUME   473039.149 3752961.710 468.35
   LOCATION L0002486     VOLUME   473075.147 3752962.059 468.00
   LOCATION L0002487     VOLUME   473111.146 3752962.408 467.97
   LOCATION L0002488     VOLUME   473147.144 3752962.756 467.21
   LOCATION L0002489     VOLUME   473183.142 3752963.105 466.51
   LOCATION L0002490     VOLUME   473219.140 3752963.454 465.31
   LOCATION L0002491     VOLUME   473255.139 3752963.802 464.76
   LOCATION L0002492     VOLUME   473291.137 3752964.151 464.76
   LOCATION L0002493     VOLUME   473327.135 3752964.499 465.00
   LOCATION L0002494     VOLUME   473363.134 3752964.848 465.00
   LOCATION L0002495     VOLUME   473399.132 3752965.197 464.35
   LOCATION L0002496     VOLUME   473435.130 3752965.545 464.00
   LOCATION L0002497     VOLUME   473471.129 3752965.894 463.00
   LOCATION L0002498     VOLUME   473507.127 3752966.243 463.25
   LOCATION L0002499     VOLUME   473543.125 3752966.591 464.45
   LOCATION L0002500     VOLUME   473579.124 3752966.940 465.65
   LOCATION L0002501     VOLUME   473615.122 3752967.289 466.55
   LOCATION L0002502     VOLUME   473651.120 3752967.637 467.00
   LOCATION L0002503     VOLUME   473687.118 3752967.986 467.00
   LOCATION L0002504     VOLUME   473723.117 3752968.335 467.45
   LOCATION L0002505     VOLUME   473759.115 3752968.683 468.00
   LOCATION L0002506     VOLUME   473795.113 3752969.032 468.50
   LOCATION L0002507     VOLUME   473831.112 3752969.381 469.00
** END OF LINE VOLUME SOURCE ID = SLINE8
** SOURCE PARAMETERS **
** LINE VOLUME SOURCE ID = SLINE1
   SRCPARAM L0002068     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002069     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002070     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002071     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002072     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002073     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002074     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002075     0.0000001836      3.49      4.00      3.25
```

```
   SRCPARAM L0002076     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002077     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002078     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002079     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002080     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002081     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002082     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002083     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002084     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002085     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002086     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002087     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002088     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002089     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002090     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002091     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002092     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002093     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002094     0.0000001836      3.49      4.00      3.25
   SRCPARAM L0002095     0.0000001836      3.49      4.00      3.25
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE2
   SRCPARAM L0002096     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002097     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002098     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002099     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002100     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002101     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002102     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002103     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002104     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002105     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002106     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002107     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002108     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002109     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002110     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002111     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002112     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002113     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002114     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002115     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002116     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002117     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002118     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002119     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002120     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002121     0.0000001773      3.49      4.00      3.25
```

```
   SRCPARAM L0002122     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002123     0.0000001773      3.49      4.00      3.25
   SRCPARAM L0002124     0.0000001773      3.49      4.00      3.25
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE3
   SRCPARAM L0002125     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002126     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002127     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002128     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002129     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002130     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002131     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002132     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002133     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002134     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002135     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002136     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002137     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002138     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002139     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002140     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002141     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002142     0.000001099      3.49      4.00      3.25
   SRCPARAM L0002143     0.000001099      3.49      4.00      3.25
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE4
   SRCPARAM L0002144     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002145     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002146     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002147     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002148     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002149     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002150     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002151     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002152     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002153     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002154     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002155     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002156     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002157     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002158     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002159     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002160     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002161     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002162     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002163     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002164     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002165     0.0000000413      3.49      4.00      3.25
```

```
   SRCPARAM L0002166     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002167     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002168     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002169     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002170     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002171     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002172     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002173     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002174     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002175     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002176     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002177     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002178     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002179     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002180     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002181     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002182     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002183     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002184     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002185     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002186     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002187     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002188     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002189     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002190     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002191     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002192     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002193     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002194     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002195     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002196     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002197     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002198     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002199     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002200     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002201     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002202     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002203     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002204     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002205     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002206     0.0000000413      3.49      4.00      3.25
   SRCPARAM L0002207     0.0000000413      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE5
   SRCPARAM L0002208     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002209     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002210     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002211     0.00000004107      3.49      4.00      3.25
```

```
SRCPARAM L0002212     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002213     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002214     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002215     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002216     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002217     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002218     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002219     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002220     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002221     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002222     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002223     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002224     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002225     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002226     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002227     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002228     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002229     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002230     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002231     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002232     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002233     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002234     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002235     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002236     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002237     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002238     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002239     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002240     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002241     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002242     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002243     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002244     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002245     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002246     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002247     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002248     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002249     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002250     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002251     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002252     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002253     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002254     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002255     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002256     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002257     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002258     0.00000004107      3.49      4.00      3.25
SRCPARAM L0002259     0.00000004107      3.49      4.00      3.25
```

```
   SRCPARAM L0002260     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002261     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002262     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002263     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002264     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002265     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002266     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002267     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002268     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002269     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002270     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002271     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002272     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002273     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002274     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002275     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002276     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002277     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002278     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002279     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002280     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002281     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002282     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002283     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002284     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002285     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002286     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002287     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002288     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002289     0.00000004107      3.49      4.00      3.25
   SRCPARAM L0002290     0.00000004107      3.49      4.00      3.25
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE6
   SRCPARAM L0002663     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002664     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002665     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002666     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002667     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002668     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002669     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002670     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002671     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002672     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002673     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002674     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002675     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002676     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002677     0.0000001673      3.49      4.00      3.25
```

```
   SRCPARAM L0002678     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002679     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002680     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002681     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002682     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002683     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002684     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002685     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002686     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002687     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002688     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002689     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002690     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002691     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002692     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002693     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002694     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002695     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002696     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002697     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002698     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002699     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002700     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002701     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002702     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002703     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002704     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002705     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002706     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002707     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002708     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002709     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002710     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002711     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002712     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002713     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002714     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002715     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002716     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002717     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002718     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002719     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002720     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002721     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002722     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002723     0.0000001673      3.49      4.00      3.25
   SRCPARAM L0002724     0.0000001673      3.49      4.00      3.25
** ----------------------------------------------------------------------
```

```
** LINE VOLUME SOURCE ID = SLINE7
   SRCPARAM L0002577     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002578     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002579     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002580     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002581     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002582     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002583     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002584     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002585     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002586     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002587     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002588     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002589     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002590     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002591     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002592     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002593     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002594     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002595     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002596     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002597     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002598     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002599     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002600     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002601     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002602     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002603     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002604     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002605     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002606     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002607     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002608     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002609     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002610     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002611     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002612     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002613     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002614     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002615     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002616     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002617     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002618     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002619     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002620     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002621     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002622     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002623     0.0000001606      3.49     16.74      3.25
```

```
   SRCPARAM L0002624     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002625     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002626     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002627     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002628     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002629     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002630     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002631     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002632     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002633     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002634     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002635     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002636     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002637     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002638     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002639     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002640     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002641     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002642     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002643     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002644     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002645     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002646     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002647     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002648     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002649     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002650     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002651     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002652     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002653     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002654     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002655     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002656     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002657     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002658     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002659     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002660     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002661     0.0000001606      3.49     16.74      3.25
   SRCPARAM L0002662     0.0000001606      3.49     16.74      3.25
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE8
   SRCPARAM L0002439     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002440     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002441     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002442     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002443     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002444     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002445     0.0000003245      3.49     16.74      3.25
```

SRCPARAM	L0002446	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002447	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002448	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002449	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002450	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002451	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002452	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002453	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002454	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002455	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002456	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002457	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002458	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002459	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002460	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002461	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002462	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002463	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002464	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002465	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002466	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002467	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002468	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002469	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002470	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002471	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002472	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002473	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002474	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002475	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002476	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002477	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002478	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002479	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002480	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002481	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002482	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002483	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002484	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002485	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002486	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002487	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002488	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002489	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002490	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002491	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002492	0.0000003245	3.49	16.74	3.25
SRCPARAM	L0002493	0.0000003245	3.49	16.74	3.25

```
   SRCPARAM L0002494     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002495     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002496     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002497     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002498     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002499     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002500     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002501     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002502     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002503     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002504     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002505     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002506     0.0000003245      3.49     16.74      3.25
   SRCPARAM L0002507     0.0000003245      3.49     16.74      3.25
** ----------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD RECEPTOR PATHWAY
****************************************
**
**
RE STARTING
   INCLUDED "13040 HRA.ROU"
RE FINISHED
**
****************************************
** AERMOD METEOROLOGY PATHWAY
****************************************
**
**
ME STARTING
   SURFFILE KRAL_V9_ADJU\KRAL_V9.SFC
   PROFFILE KRAL_V9_ADJU\KRAL_V9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   PROFBASE 245.0 METERS
ME FINISHED
**
****************************************
** AERMOD OUTPUT PATHWAY
****************************************
**
**
OU STARTING
** AUTO-GENERATED PLOTFILES
```

```
   PLOTFILE   ANNUAL ALL "13040 HRA.AD\AN00GALL.PLT" 31
   SUMMFILE "13040 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            2 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 ME W186    1095       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187    1095       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC                          ***        12/09/19
 *** AERMET - VERSION  16216 ***   ***
                        ***        14:17:36

                                   PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

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

```
 **Model Uses URBAN Dispersion Algorithm for the SBL for   440 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2189641.0 ;  Urban Roughness Length =  1.000 m

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

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        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 ANNUAL Averages Only

 **This Run Includes:    440 Source(s);       1 Source Group(s); and     117
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    440 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of ANNUAL Averages by Receptor
          Model Outputs 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) =   245.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.7 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   13040 HRA.ERR

 **File for Summary of Results:   13040 HRA.SUM

 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC                          ***        12/09/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        14:17:36

                                  PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

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

 L0002068         0   0.18360E-06  471391.5 3753390.7   482.8     3.49     4.00
3.25     YES
 L0002069         0   0.18360E-06  471391.5 3753382.1   482.6     3.49     4.00
3.25     YES
 L0002070         0   0.18360E-06  471391.6 3753373.5   482.5     3.49     4.00
```

L0002071	0	0.18360E-06	471391.6	3753364.9	482.7	3.49	4.00	3.25	YES
L0002072	0	0.18360E-06	471391.7	3753356.3	482.8	3.49	4.00	3.25	YES
L0002073	0	0.18360E-06	471391.7	3753347.7	483.0	3.49	4.00	3.25	YES
L0002074	0	0.18360E-06	471391.8	3753339.2	484.1	3.49	4.00	3.25	YES
L0002075	0	0.18360E-06	471391.8	3753330.6	485.4	3.49	4.00	3.25	YES
L0002076	0	0.18360E-06	471391.9	3753322.0	486.7	3.49	4.00	3.25	YES
L0002077	0	0.18360E-06	471392.0	3753313.4	487.6	3.49	4.00	3.25	YES
L0002078	0	0.18360E-06	471392.0	3753304.8	487.7	3.49	4.00	3.25	YES
L0002079	0	0.18360E-06	471392.1	3753296.2	487.8	3.49	4.00	3.25	YES
L0002080	0	0.18360E-06	471392.1	3753287.6	488.0	3.49	4.00	3.25	YES
L0002081	0	0.18360E-06	471392.2	3753279.0	488.0	3.49	4.00	3.25	YES
L0002082	0	0.18360E-06	471392.2	3753270.4	488.0	3.49	4.00	3.25	YES
L0002083	0	0.18360E-06	471392.3	3753261.8	488.0	3.49	4.00	3.25	YES
L0002084	0	0.18360E-06	471392.3	3753253.3	488.0	3.49	4.00	3.25	YES
L0002085	0	0.18360E-06	471392.4	3753244.7	488.0	3.49	4.00	3.25	YES
L0002086	0	0.18360E-06	471392.4	3753236.1	488.0	3.49	4.00	3.25	YES
L0002087	0	0.18360E-06	471392.5	3753227.5	488.0	3.49	4.00	3.25	YES
L0002088	0	0.18360E-06	471392.6	3753218.9	488.2	3.49	4.00	3.25	YES
L0002089	0	0.18360E-06	471392.6	3753210.3	488.4	3.49	4.00	3.25	YES
L0002090	0	0.18360E-06	471392.7	3753201.7	488.6	3.49	4.00	3.25	YES
L0002091	0	0.18360E-06	471392.7	3753193.1	488.8	3.49	4.00	3.25	YES
L0002092	0	0.18360E-06	471392.8	3753184.5	489.0	3.49	4.00	3.25	YES
L0002093	0	0.18360E-06	471392.8	3753175.9	489.1	3.49	4.00	3.25	YES
L0002094	0	0.18360E-06	471392.9	3753167.4	489.2	3.49	4.00		

```
3.25     YES
 L0002095         0   0.18360E-06  471392.9 3753158.8   489.2     3.49     4.00
3.25     YES
 L0002096         0   0.17730E-06  471527.6 3753394.2   482.1     3.49     4.00
3.25     YES
 L0002097         0   0.17730E-06  471527.7 3753385.7   482.6     3.49     4.00
3.25     YES
 L0002098         0   0.17730E-06  471527.8 3753377.1   483.0     3.49     4.00
3.25     YES
 L0002099         0   0.17730E-06  471527.9 3753368.5   483.8     3.49     4.00
3.25     YES
 L0002100         0   0.17730E-06  471528.0 3753359.9   484.7     3.49     4.00
3.25     YES
 L0002101         0   0.17730E-06  471528.1 3753351.3   485.5     3.49     4.00
3.25     YES
 L0002102         0   0.17730E-06  471528.2 3753342.7   486.0     3.49     4.00
3.25     YES
 L0002103         0   0.17730E-06  471528.3 3753334.1   486.1     3.49     4.00
3.25     YES
 L0002104         0   0.17730E-06  471528.4 3753325.5   486.2     3.49     4.00
3.25     YES
 L0002105         0   0.17730E-06  471528.4 3753316.9   486.3     3.49     4.00
3.25     YES
 L0002106         0   0.17730E-06  471528.5 3753308.4   486.6     3.49     4.00
3.25     YES
 L0002107         0   0.17730E-06  471528.6 3753299.8   486.9     3.49     4.00
3.25     YES
```



```
                                                   *** VOLUME SOURCE DATA ***

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

 L0002108         0   0.17730E-06  471528.7 3753291.2   487.2     3.49     4.00
```

L0002109	0	0.17730E-06	471528.8	3753282.6	487.3	3.49	4.00	3.25	YES
L0002110	0	0.17730E-06	471528.9	3753274.0	487.3	3.49	4.00	3.25	YES
L0002111	0	0.17730E-06	471529.0	3753265.4	487.3	3.49	4.00	3.25	YES
L0002112	0	0.17730E-06	471529.1	3753256.8	487.3	3.49	4.00	3.25	YES
L0002113	0	0.17730E-06	471529.1	3753248.2	487.3	3.49	4.00	3.25	YES
L0002114	0	0.17730E-06	471529.2	3753239.6	487.3	3.49	4.00	3.25	YES
L0002115	0	0.17730E-06	471529.3	3753231.0	487.3	3.49	4.00	3.25	YES
L0002116	0	0.17730E-06	471529.4	3753222.5	487.3	3.49	4.00	3.25	YES
L0002117	0	0.17730E-06	471529.5	3753213.9	487.3	3.49	4.00	3.25	YES
L0002118	0	0.17730E-06	471529.6	3753205.3	487.3	3.49	4.00	3.25	YES
L0002119	0	0.17730E-06	471529.7	3753196.7	487.3	3.49	4.00	3.25	YES
L0002120	0	0.17730E-06	471529.8	3753188.1	487.3	3.49	4.00	3.25	YES
L0002121	0	0.17730E-06	471529.9	3753179.5	487.3	3.49	4.00	3.25	YES
L0002122	0	0.17730E-06	471529.9	3753170.9	487.4	3.49	4.00	3.25	YES
L0002123	0	0.17730E-06	471530.0	3753162.3	487.4	3.49	4.00	3.25	YES
L0002124	0	0.17730E-06	471530.1	3753153.7	487.4	3.49	4.00	3.25	YES
L0002125	0	0.10990E-05	471054.8	3753215.6	492.0	3.49	4.00	3.25	YES
L0002126	0	0.10990E-05	471063.4	3753215.7	491.7	3.49	4.00	3.25	YES
L0002127	0	0.10990E-05	471072.0	3753215.7	491.3	3.49	4.00	3.25	YES
L0002128	0	0.10990E-05	471080.6	3753215.7	491.0	3.49	4.00	3.25	YES
L0002129	0	0.10990E-05	471089.2	3753215.8	490.7	3.49	4.00	3.25	YES
L0002130	0	0.10990E-05	471097.7	3753215.8	490.4	3.49	4.00	3.25	YES
L0002131	0	0.10990E-05	471106.3	3753215.8	490.0	3.49	4.00	3.25	YES
L0002132	0	0.10990E-05	471114.9	3753215.8	489.5	3.49	4.00		

```
3.25     YES
 L0002133         0   0.10990E-05  471123.5 3753215.9   489.1     3.49     4.00
3.25     YES
 L0002134         0   0.10990E-05  471132.1 3753215.9   488.7     3.49     4.00
3.25     YES
 L0002135         0   0.10990E-05  471140.7 3753215.9   488.6     3.49     4.00
3.25     YES
 L0002136         0   0.10990E-05  471149.3 3753215.9   488.5     3.49     4.00
3.25     YES
 L0002137         0   0.10990E-05  471157.9 3753216.0   488.4     3.49     4.00
3.25     YES
 L0002138         0   0.10990E-05  471166.5 3753216.0   488.4     3.49     4.00
3.25     YES
 L0002139         0   0.10990E-05  471175.1 3753216.0   488.4     3.49     4.00
3.25     YES
 L0002140         0   0.10990E-05  471183.6 3753216.0   488.4     3.49     4.00
3.25     YES
 L0002141         0   0.10990E-05  471192.2 3753216.1   488.4     3.49     4.00
3.25     YES
 L0002142         0   0.10990E-05  471200.8 3753216.1   488.4     3.49     4.00
3.25     YES
 L0002143         0   0.10990E-05  471209.4 3753216.1   488.4     3.49     4.00
3.25     YES
 L0002144         0   0.41300E-07  471455.1 3753445.1   488.3     3.49     4.00
3.25     YES
 L0002145         0   0.41300E-07  471446.5 3753445.3   488.3     3.49     4.00
3.25     YES
 L0002146         0   0.41300E-07  471437.9 3753445.5   488.3     3.49     4.00
3.25     YES
 L0002147         0   0.41300E-07  471429.3 3753445.7   488.3     3.49     4.00
3.25     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC                         ***        12/09/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        14:17:36

                                  PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                     *** VOLUME SOURCE DATA ***

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

- - - -

```
3.25     YES
 L0002171         0   0.41300E-07  471373.3 3753281.5   488.0     3.49     4.00
3.25     YES
 L0002172         0   0.41300E-07  471372.6 3753273.0   488.0     3.49     4.00
3.25     YES
 L0002173         0   0.41300E-07  471372.0 3753264.4   488.0     3.49     4.00
3.25     YES
 L0002174         0   0.41300E-07  471371.3 3753255.8   488.0     3.49     4.00
3.25     YES
 L0002175         0   0.41300E-07  471370.7 3753247.3   488.0     3.49     4.00
3.25     YES
 L0002176         0   0.41300E-07  471370.4 3753238.7   488.0     3.49     4.00
3.25     YES
 L0002177         0   0.41300E-07  471370.3 3753230.1   488.0     3.49     4.00
3.25     YES
 L0002178         0   0.41300E-07  471370.2 3753221.5   488.0     3.49     4.00
3.25     YES
 L0002179         0   0.41300E-07  471370.1 3753212.9   488.0     3.49     4.00
3.25     YES
 L0002180         0   0.41300E-07  471370.0 3753204.3   488.0     3.49     4.00
3.25     YES
 L0002181         0   0.41300E-07  471370.0 3753195.8   488.1     3.49     4.00
3.25     YES
 L0002182         0   0.41300E-07  471369.9 3753187.2   488.6     3.49     4.00
3.25     YES
 L0002183         0   0.41300E-07  471369.8 3753178.6   489.2     3.49     4.00
3.25     YES
 L0002184         0   0.41300E-07  471369.7 3753170.0   489.8     3.49     4.00
3.25     YES
 L0002185         0   0.41300E-07  471369.6 3753161.4   490.0     3.49     4.00
3.25     YES
 L0002186         0   0.41300E-07  471369.5 3753152.8   490.0     3.49     4.00
3.25     YES
 L0002187         0   0.41300E-07  471369.4 3753144.2   490.0     3.49     4.00
3.25     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC                         ***        12/09/19
 *** AERMET - VERSION  16216 ***   ***
                       ***       14:17:36

                                 PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                 *** VOLUME SOURCE DATA ***

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

SOURCE ID	PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	SOURCE SCALAR VARY BY
L0002188	0	0.41300E-07	471369.4	3753135.6	490.0	3.49	4.00	3.25	YES
L0002189	0	0.41300E-07	471369.4	3753127.0	490.0	3.49	4.00	3.25	YES
L0002190	0	0.41300E-07	471369.4	3753118.4	490.0	3.49	4.00	3.25	YES
L0002191	0	0.41300E-07	471369.3	3753109.9	490.0	3.49	4.00	3.25	YES
L0002192	0	0.41300E-07	471369.3	3753101.3	490.2	3.49	4.00	3.25	YES
L0002193	0	0.41300E-07	471369.3	3753092.7	490.5	3.49	4.00	3.25	YES
L0002194	0	0.41300E-07	471369.3	3753084.1	490.7	3.49	4.00	3.25	YES
L0002195	0	0.41300E-07	471369.2	3753075.5	490.9	3.49	4.00	3.25	YES
L0002196	0	0.41300E-07	471369.2	3753066.9	490.7	3.49	4.00	3.25	YES
L0002197	0	0.41300E-07	471369.2	3753058.3	490.4	3.49	4.00	3.25	YES
L0002198	0	0.41300E-07	471369.2	3753049.7	490.1	3.49	4.00	3.25	YES
L0002199	0	0.41300E-07	471369.2	3753041.1	490.0	3.49	4.00	3.25	YES
L0002200	0	0.41300E-07	471369.1	3753032.5	490.0	3.49	4.00	3.25	YES
L0002201	0	0.41300E-07	471369.1	3753024.0	490.0	3.49	4.00	3.25	YES
L0002202	0	0.41300E-07	471369.1	3753015.4	489.9	3.49	4.00	3.25	YES
L0002203	0	0.41300E-07	471369.1	3753006.8	489.4	3.49	4.00	3.25	YES
L0002204	0	0.41300E-07	471369.0	3752998.2	488.8	3.49	4.00	3.25	YES
L0002205	0	0.41300E-07	471369.0	3752989.6	488.2	3.49	4.00	3.25	YES
L0002206	0	0.41300E-07	471369.0	3752981.0	488.2	3.49	4.00	3.25	YES
L0002207	0	0.41300E-07	471369.0	3752972.4	488.5	3.49	4.00	3.25	YES
L0002208	0	0.41070E-07	471464.1	3753446.7	488.0	3.49	4.00		

```
3.25     YES
 L0002209         0   0.41070E-07  471472.7 3753446.4   487.3     3.49     4.00
3.25     YES
 L0002210         0   0.41070E-07  471481.3 3753446.0   486.6     3.49     4.00
3.25     YES
 L0002211         0   0.41070E-07  471489.9 3753445.6   485.9     3.49     4.00
3.25     YES
 L0002212         0   0.41070E-07  471498.5 3753445.2   484.5     3.49     4.00
3.25     YES
 L0002213         0   0.41070E-07  471507.1 3753444.9   483.1     3.49     4.00
3.25     YES
 L0002214         0   0.41070E-07  471515.6 3753444.5   481.7     3.49     4.00
3.25     YES
 L0002215         0   0.41070E-07  471524.0 3753443.8   481.1     3.49     4.00
3.25     YES
 L0002216         0   0.41070E-07  471528.5 3753436.5   481.3     3.49     4.00
3.25     YES
 L0002217         0   0.41070E-07  471532.9 3753429.1   481.6     3.49     4.00
3.25     YES
 L0002218         0   0.41070E-07  471537.3 3753421.7   481.9     3.49     4.00
3.25     YES
 L0002219         0   0.41070E-07  471541.7 3753414.4   482.3     3.49     4.00
3.25     YES
 L0002220         0   0.41070E-07  471545.2 3753406.7   482.7     3.49     4.00
3.25     YES
 L0002221         0   0.41070E-07  471546.1 3753398.1   482.8     3.49     4.00
3.25     YES
 L0002222         0   0.41070E-07  471547.0 3753389.6   482.9     3.49     4.00
3.25     YES
 L0002223         0   0.41070E-07  471547.8 3753381.0   483.0     3.49     4.00
3.25     YES
 L0002224         0   0.41070E-07  471548.7 3753372.5   483.4     3.49     4.00
3.25     YES
 L0002225         0   0.41070E-07  471549.6 3753364.0   484.3     3.49     4.00
3.25     YES
 L0002226         0   0.41070E-07  471550.0 3753355.4   485.1     3.49     4.00
3.25     YES
 L0002227         0   0.41070E-07  471550.2 3753346.8   486.0     3.49     4.00
3.25     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC                          ***        12/09/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        14:17:36

                                  PAGE   6
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002228	0	0.41070E-07	471550.3	3753338.2	486.3	3.49	4.00	3.25	YES	
L0002229	0	0.41070E-07	471550.5	3753329.6	486.6	3.49	4.00	3.25	YES	
L0002230	0	0.41070E-07	471550.7	3753321.0	486.9	3.49	4.00	3.25	YES	
L0002231	0	0.41070E-07	471550.9	3753312.4	487.1	3.49	4.00	3.25	YES	
L0002232	0	0.41070E-07	471551.0	3753303.8	487.4	3.49	4.00	3.25	YES	
L0002233	0	0.41070E-07	471551.2	3753295.3	487.7	3.49	4.00	3.25	YES	
L0002234	0	0.41070E-07	471551.4	3753286.7	488.0	3.49	4.00	3.25	YES	
L0002235	0	0.41070E-07	471551.5	3753278.1	488.0	3.49	4.00	3.25	YES	
L0002236	0	0.41070E-07	471551.7	3753269.5	488.0	3.49	4.00	3.25	YES	
L0002237	0	0.41070E-07	471551.9	3753260.9	488.0	3.49	4.00	3.25	YES	
L0002238	0	0.41070E-07	471552.0	3753252.3	488.0	3.49	4.00	3.25	YES	
L0002239	0	0.41070E-07	471552.2	3753243.7	488.0	3.49	4.00	3.25	YES	
L0002240	0	0.41070E-07	471552.4	3753235.1	488.0	3.49	4.00	3.25	YES	
L0002241	0	0.41070E-07	471552.5	3753226.6	488.0	3.49	4.00	3.25	YES	
L0002242	0	0.41070E-07	471552.7	3753218.0	488.0	3.49	4.00	3.25	YES	
L0002243	0	0.41070E-07	471552.9	3753209.4	488.0	3.49	4.00	3.25	YES	
L0002244	0	0.41070E-07	471553.1	3753200.8	488.0	3.49	4.00	3.25	YES	
L0002245	0	0.41070E-07	471553.2	3753192.2	488.0	3.49	4.00	3.25	YES	
L0002246	0	0.41070E-07	471553.4	3753183.6	488.0	3.49	4.00			

```
3.25     YES
 L0002247         0   0.41070E-07  471553.6 3753175.0   488.0     3.49     4.00
3.25     YES
 L0002248         0   0.41070E-07  471553.7 3753166.4   488.0     3.49     4.00
3.25     YES
 L0002249         0   0.41070E-07  471553.9 3753157.8   488.0     3.49     4.00
3.25     YES
 L0002250         0   0.41070E-07  471554.1 3753149.3   488.0     3.49     4.00
3.25     YES
 L0002251         0   0.41070E-07  471553.5 3753140.7   488.0     3.49     4.00
3.25     YES
 L0002252         0   0.41070E-07  471552.8 3753132.1   487.9     3.49     4.00
3.25     YES
 L0002253         0   0.41070E-07  471552.0 3753123.6   487.6     3.49     4.00
3.25     YES
 L0002254         0   0.41070E-07  471550.9 3753115.2   487.3     3.49     4.00
3.25     YES
 L0002255         0   0.41070E-07  471545.2 3753108.8   487.1     3.49     4.00
3.25     YES
 L0002256         0   0.41070E-07  471536.7 3753107.8   487.0     3.49     4.00
3.25     YES
 L0002257         0   0.41070E-07  471528.1 3753107.1   487.0     3.49     4.00
3.25     YES
 L0002258         0   0.41070E-07  471519.6 3753106.9   487.0     3.49     4.00
3.25     YES
 L0002259         0   0.41070E-07  471511.0 3753106.6   487.3     3.49     4.00
3.25     YES
 L0002260         0   0.41070E-07  471502.4 3753106.4   487.6     3.49     4.00
3.25     YES
 L0002261         0   0.41070E-07  471493.8 3753106.1   487.8     3.49     4.00
3.25     YES
 L0002262         0   0.41070E-07  471485.2 3753105.9   488.0     3.49     4.00
3.25     YES
 L0002263         0   0.41070E-07  471476.6 3753105.6   488.0     3.49     4.00
3.25     YES
 L0002264         0   0.41070E-07  471468.0 3753105.4   488.0     3.49     4.00
3.25     YES
 L0002265         0   0.41070E-07  471459.5 3753105.2   488.0     3.49     4.00
3.25     YES
 L0002266         0   0.41070E-07  471450.9 3753104.9   488.3     3.49     4.00
3.25     YES
 L0002267         0   0.41070E-07  471442.3 3753104.6   488.6     3.49     4.00
3.25     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC                         ***        12/09/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        14:17:36
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002268	0	0.41070E-07	471433.7	3753104.3	488.9	3.49	4.00	3.25	YES	
L0002269	0	0.41070E-07	471425.1	3753104.0	489.2	3.49	4.00	3.25	YES	
L0002270	0	0.41070E-07	471416.5	3753103.7	489.4	3.49	4.00	3.25	YES	
L0002271	0	0.41070E-07	471407.9	3753103.4	489.7	3.49	4.00	3.25	YES	
L0002272	0	0.41070E-07	471399.4	3753103.1	490.0	3.49	4.00	3.25	YES	
L0002273	0	0.41070E-07	471390.8	3753102.8	490.0	3.49	4.00	3.25	YES	
L0002274	0	0.41070E-07	471382.2	3753102.5	490.1	3.49	4.00	3.25	YES	
L0002275	0	0.41070E-07	471373.6	3753102.3	490.1	3.49	4.00	3.25	YES	
L0002276	0	0.41070E-07	471373.0	3753093.9	490.4	3.49	4.00	3.25	YES	
L0002277	0	0.41070E-07	471372.7	3753085.4	490.6	3.49	4.00	3.25	YES	
L0002278	0	0.41070E-07	471372.4	3753076.8	490.9	3.49	4.00	3.25	YES	
L0002279	0	0.41070E-07	471372.0	3753068.2	490.6	3.49	4.00	3.25	YES	
L0002280	0	0.41070E-07	471371.7	3753059.6	490.4	3.49	4.00	3.25	YES	
L0002281	0	0.41070E-07	471371.4	3753051.0	490.1	3.49	4.00	3.25	YES	
L0002282	0	0.41070E-07	471371.1	3753042.4	489.9	3.49	4.00	3.25	YES	
L0002283	0	0.41070E-07	471370.7	3753033.9	489.9	3.49	4.00	3.25	YES	
L0002284	0	0.41070E-07	471370.4	3753025.3	489.9	3.49	4.00			

```
3.25     YES
 L0002285         0   0.41070E-07  471370.1 3753016.7   490.0     3.49     4.00
3.25     YES
 L0002286         0   0.41070E-07  471369.8 3753008.1   489.4     3.49     4.00
3.25     YES
 L0002287         0   0.41070E-07  471369.4 3752999.5   488.9     3.49     4.00
3.25     YES
 L0002288         0   0.41070E-07  471369.1 3752990.9   488.3     3.49     4.00
3.25     YES
 L0002289         0   0.41070E-07  471368.8 3752982.3   488.2     3.49     4.00
3.25     YES
 L0002290         0   0.41070E-07  471368.5 3752973.8   488.6     3.49     4.00
3.25     YES
 L0002663         0   0.16730E-06  471055.2 3753326.5   494.7     3.49     4.00
3.25     YES
 L0002664         0   0.16730E-06  471063.8 3753326.6   494.7     3.49     4.00
3.25     YES
 L0002665         0   0.16730E-06  471072.4 3753326.6   494.7     3.49     4.00
3.25     YES
 L0002666         0   0.16730E-06  471081.0 3753326.6   494.7     3.49     4.00
3.25     YES
 L0002667         0   0.16730E-06  471089.6 3753326.7   494.7     3.49     4.00
3.25     YES
 L0002668         0   0.16730E-06  471098.2 3753326.7   494.7     3.49     4.00
3.25     YES
 L0002669         0   0.16730E-06  471106.7 3753326.8   494.5     3.49     4.00
3.25     YES
 L0002670         0   0.16730E-06  471115.3 3753326.8   494.3     3.49     4.00
3.25     YES
 L0002671         0   0.16730E-06  471123.9 3753326.9   494.1     3.49     4.00
3.25     YES
 L0002672         0   0.16730E-06  471132.5 3753326.9   494.0     3.49     4.00
3.25     YES
 L0002673         0   0.16730E-06  471141.1 3753326.9   494.0     3.49     4.00
3.25     YES
 L0002674         0   0.16730E-06  471149.7 3753327.0   494.0     3.49     4.00
3.25     YES
 L0002675         0   0.16730E-06  471158.3 3753327.0   494.0     3.49     4.00
3.25     YES
 L0002676         0   0.16730E-06  471166.9 3753327.1   493.4     3.49     4.00
3.25     YES
 L0002677         0   0.16730E-06  471175.5 3753327.1   492.8     3.49     4.00
3.25     YES
 L0002678         0   0.16730E-06  471184.1 3753327.2   492.1     3.49     4.00
3.25     YES
 L0002679         0   0.16730E-06  471192.6 3753327.2   491.1     3.49     4.00
3.25     YES
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
L0002680	0	0.16730E-06	471201.2	3753327.3	489.5	3.49	4.00	3.25	YES	
L0002681	0	0.16730E-06	471209.8	3753327.3	487.8	3.49	4.00	3.25	YES	
L0002682	0	0.16730E-06	471218.4	3753327.3	486.2	3.49	4.00	3.25	YES	
L0002683	0	0.16730E-06	471224.2	3753324.6	485.8	3.49	4.00	3.25	YES	
L0002684	0	0.16730E-06	471224.1	3753316.0	486.6	3.49	4.00	3.25	YES	
L0002685	0	0.16730E-06	471224.0	3753307.4	487.0	3.49	4.00	3.25	YES	
L0002686	0	0.16730E-06	471223.9	3753298.8	487.4	3.49	4.00	3.25	YES	
L0002687	0	0.16730E-06	471223.8	3753290.2	487.8	3.49	4.00	3.25	YES	
L0002688	0	0.16730E-06	471223.7	3753281.6	488.0	3.49	4.00	3.25	YES	
L0002689	0	0.16730E-06	471223.6	3753273.0	488.0	3.49	4.00	3.25	YES	
L0002690	0	0.16730E-06	471223.5	3753264.4	488.0	3.49	4.00	3.25	YES	
L0002691	0	0.16730E-06	471223.4	3753255.9	488.0	3.49	4.00	3.25	YES	
L0002692	0	0.16730E-06	471223.3	3753247.3	488.0	3.49	4.00	3.25	YES	
L0002693	0	0.16730E-06	471223.2	3753238.7	488.0	3.49	4.00	3.25	YES	
L0002694	0	0.16730E-06	471223.1	3753230.1	488.0	3.49	4.00			

L0002695	0	0.16730E-06	471223.0	3753221.5	488.2	3.49	4.00	3.25	YES
L0002696	0	0.16730E-06	471223.0	3753212.9	488.4	3.49	4.00	3.25	YES
L0002697	0	0.16730E-06	471222.9	3753204.3	488.7	3.49	4.00	3.25	YES
L0002698	0	0.16730E-06	471222.8	3753195.7	488.9	3.49	4.00	3.25	YES
L0002699	0	0.16730E-06	471216.9	3753193.0	489.0	3.49	4.00	3.25	YES
L0002700	0	0.16730E-06	471208.3	3753193.0	489.0	3.49	4.00	3.25	YES
L0002701	0	0.16730E-06	471199.7	3753193.1	489.1	3.49	4.00	3.25	YES
L0002702	0	0.16730E-06	471191.1	3753193.1	489.1	3.49	4.00	3.25	YES
L0002703	0	0.16730E-06	471182.5	3753193.1	489.1	3.49	4.00	3.25	YES
L0002704	0	0.16730E-06	471173.9	3753193.2	489.1	3.49	4.00	3.25	YES
L0002705	0	0.16730E-06	471165.3	3753193.2	489.1	3.49	4.00	3.25	YES
L0002706	0	0.16730E-06	471156.7	3753193.2	489.2	3.49	4.00	3.25	YES
L0002707	0	0.16730E-06	471148.1	3753193.2	489.5	3.49	4.00	3.25	YES
L0002708	0	0.16730E-06	471139.6	3753193.3	489.8	3.49	4.00	3.25	YES
L0002709	0	0.16730E-06	471131.0	3753193.3	490.1	3.49	4.00	3.25	YES
L0002710	0	0.16730E-06	471122.4	3753193.3	490.4	3.49	4.00	3.25	YES
L0002711	0	0.16730E-06	471113.8	3753193.3	490.6	3.49	4.00	3.25	YES
L0002712	0	0.16730E-06	471105.2	3753193.4	490.9	3.49	4.00	3.25	YES
L0002713	0	0.16730E-06	471096.6	3753193.4	491.2	3.49	4.00	3.25	YES
L0002714	0	0.16730E-06	471088.0	3753193.4	491.5	3.49	4.00	3.25	YES
L0002715	0	0.16730E-06	471079.4	3753193.4	491.8	3.49	4.00	3.25	YES
L0002716	0	0.16730E-06	471070.8	3753193.5	492.1	3.49	4.00	3.25	YES
L0002717	0	0.16730E-06	471062.2	3753193.5	492.6	3.49	4.00	3.25	YES
L0002718	0	0.16730E-06	471053.7	3753193.5	493.1	3.49	4.00		

```
3.25     YES
 L0002719         0   0.16730E-06  471045.1 3753193.5   493.7     3.49     4.00
3.25     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC                         ***        12/09/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        14:17:36

                                  PAGE   9
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

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

 L0002720         0   0.16730E-06  471036.5 3753193.6   494.0     3.49     4.00
3.25     YES
 L0002721         0   0.16730E-06  471027.9 3753193.6   494.0     3.49     4.00
3.25     YES
 L0002722         0   0.16730E-06  471019.3 3753193.6   494.1     3.49     4.00
3.25     YES
 L0002723         0   0.16730E-06  471010.7 3753193.7   494.1     3.49     4.00
3.25     YES
 L0002724         0   0.16730E-06  471002.1 3753193.7   494.6     3.49     4.00
3.25     YES
 L0002577         0   0.16060E-06  470987.5 3753176.1   496.2     3.49    16.74
3.25     YES
 L0002578         0   0.16060E-06  470988.1 3753140.1   497.9     3.49    16.74
3.25     YES
 L0002579         0   0.16060E-06  470988.7 3753104.1   498.1     3.49    16.74
3.25     YES
 L0002580         0   0.16060E-06  470989.3 3753068.1   497.9     3.49    16.74
3.25     YES
 L0002581         0   0.16060E-06  470989.9 3753032.1   498.3     3.49    16.74
3.25     YES
 L0002582         0   0.16060E-06  470990.5 3752996.1   498.0     3.49    16.74
3.25     YES
 L0002583         0   0.16060E-06  470991.1 3752960.1   496.1     3.49    16.74
3.25     YES
 L0002584         0   0.16060E-06  471010.2 3752943.0   494.0     3.49    16.74
```

L0002585	0	0.16060E-06	471046.2	3752943.4	493.5	3.49	16.74	3.25	YES
L0002586	0	0.16060E-06	471082.2	3752943.7	493.7	3.49	16.74	3.25	YES
L0002587	0	0.16060E-06	471118.2	3752944.1	493.4	3.49	16.74	3.25	YES
L0002588	0	0.16060E-06	471154.2	3752944.4	493.4	3.49	16.74	3.25	YES
L0002589	0	0.16060E-06	471190.2	3752944.7	493.8	3.49	16.74	3.25	YES
L0002590	0	0.16060E-06	471226.2	3752945.1	493.5	3.49	16.74	3.25	YES
L0002591	0	0.16060E-06	471262.2	3752945.4	493.6	3.49	16.74	3.25	YES
L0002592	0	0.16060E-06	471298.2	3752945.7	493.4	3.49	16.74	3.25	YES
L0002593	0	0.16060E-06	471334.2	3752946.1	493.4	3.49	16.74	3.25	YES
L0002594	0	0.16060E-06	471370.2	3752946.4	490.0	3.49	16.74	3.25	YES
L0002595	0	0.16060E-06	471406.2	3752946.7	490.3	3.49	16.74	3.25	YES
L0002596	0	0.16060E-06	471442.2	3752947.1	491.4	3.49	16.74	3.25	YES
L0002597	0	0.16060E-06	471478.2	3752947.4	491.4	3.49	16.74	3.25	YES
L0002598	0	0.16060E-06	471514.2	3752947.8	491.8	3.49	16.74	3.25	YES
L0002599	0	0.16060E-06	471550.2	3752948.1	491.6	3.49	16.74	3.25	YES
L0002600	0	0.16060E-06	471586.2	3752948.4	490.5	3.49	16.74	3.25	YES
L0002601	0	0.16060E-06	471622.2	3752948.8	489.8	3.49	16.74	3.25	YES
L0002602	0	0.16060E-06	471658.2	3752949.1	491.0	3.49	16.74	3.25	YES
L0002603	0	0.16060E-06	471694.2	3752949.4	492.4	3.49	16.74	3.25	YES
L0002604	0	0.16060E-06	471730.2	3752949.8	493.2	3.49	16.74	3.25	YES
L0002605	0	0.16060E-06	471766.2	3752950.1	492.2	3.49	16.74	3.25	YES
L0002606	0	0.16060E-06	471802.2	3752950.4	490.4	3.49	16.74	3.25	YES
L0002607	0	0.16060E-06	471838.2	3752950.8	489.3	3.49	16.74	3.25	YES
L0002608	0	0.16060E-06	471874.2	3752951.1	489.2	3.49	16.74		

```
3.25     YES
 L0002609         0   0.16060E-06  471910.2 3752951.5   488.2     3.49    16.74
3.25     YES
 L0002610         0   0.16060E-06  471946.2 3752951.8   487.1     3.49    16.74
3.25     YES
 L0002611         0   0.16060E-06  471982.2 3752952.1   487.2     3.49    16.74
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC                          ***        12/09/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        14:17:36

                                  PAGE  10
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

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

 L0002612         0   0.16060E-06  472018.2 3752952.5   487.8     3.49    16.74
3.25     YES
 L0002613         0   0.16060E-06  472054.2 3752952.8   487.6     3.49    16.74
3.25     YES
 L0002614         0   0.16060E-06  472090.2 3752953.1   487.6     3.49    16.74
3.25     YES
 L0002615         0   0.16060E-06  472126.2 3752953.5   487.3     3.49    16.74
3.25     YES
 L0002616         0   0.16060E-06  472162.2 3752953.8   484.5     3.49    16.74
3.25     YES
 L0002617         0   0.16060E-06  472198.2 3752954.1   480.2     3.49    16.74
3.25     YES
 L0002618         0   0.16060E-06  472234.1 3752954.5   476.5     3.49    16.74
3.25     YES
 L0002619         0   0.16060E-06  472270.1 3752954.8   475.0     3.49    16.74
3.25     YES
 L0002620         0   0.16060E-06  472306.1 3752955.1   474.8     3.49    16.74
3.25     YES
 L0002621         0   0.16060E-06  472342.1 3752955.5   474.0     3.49    16.74
3.25     YES
 L0002622         0   0.16060E-06  472378.1 3752955.8   474.0     3.49    16.74
```

L0002623	0	0.16060E-06	472414.1	3752956.2	474.8	3.49	16.74	3.25	YES
L0002624	0	0.16060E-06	472450.1	3752956.5	474.0	3.49	16.74	3.25	YES
L0002625	0	0.16060E-06	472486.1	3752956.8	474.2	3.49	16.74	3.25	YES
L0002626	0	0.16060E-06	472522.1	3752957.2	475.0	3.49	16.74	3.25	YES
L0002627	0	0.16060E-06	472558.1	3752957.5	475.0	3.49	16.74	3.25	YES
L0002628	0	0.16060E-06	472594.1	3752957.8	475.0	3.49	16.74	3.25	YES
L0002629	0	0.16060E-06	472630.1	3752958.2	475.0	3.49	16.74	3.25	YES
L0002630	0	0.16060E-06	472666.1	3752958.5	474.9	3.49	16.74	3.25	YES
L0002631	0	0.16060E-06	472702.1	3752958.8	474.9	3.49	16.74	3.25	YES
L0002632	0	0.16060E-06	472738.1	3752959.2	474.3	3.49	16.74	3.25	YES
L0002633	0	0.16060E-06	472774.1	3752959.5	473.2	3.49	16.74	3.25	YES
L0002634	0	0.16060E-06	472810.1	3752959.9	472.9	3.49	16.74	3.25	YES
L0002635	0	0.16060E-06	472846.1	3752960.2	472.0	3.49	16.74	3.25	YES
L0002636	0	0.16060E-06	472882.1	3752960.5	472.0	3.49	16.74	3.25	YES
L0002637	0	0.16060E-06	472918.1	3752960.9	471.5	3.49	16.74	3.25	YES
L0002638	0	0.16060E-06	472954.1	3752961.2	470.3	3.49	16.74	3.25	YES
L0002639	0	0.16060E-06	472990.1	3752961.5	469.0	3.49	16.74	3.25	YES
L0002640	0	0.16060E-06	473026.1	3752961.9	468.8	3.49	16.74	3.25	YES
L0002641	0	0.16060E-06	473062.1	3752962.2	468.0	3.49	16.74	3.25	YES
L0002642	0	0.16060E-06	473098.1	3752962.5	468.0	3.49	16.74	3.25	YES
L0002643	0	0.16060E-06	473134.1	3752962.9	467.5	3.49	16.74	3.25	YES
L0002644	0	0.16060E-06	473170.1	3752963.2	466.7	3.49	16.74	3.25	YES
L0002645	0	0.16060E-06	473206.1	3752963.5	466.0	3.49	16.74	3.25	YES
L0002646	0	0.16060E-06	473242.1	3752963.9	464.8	3.49	16.74		

```
3.25     YES
 L0002647         0   0.16060E-06  473278.1 3752964.2   464.8     3.49    16.74
3.25     YES
 L0002648         0   0.16060E-06  473314.1 3752964.6   464.9     3.49    16.74
3.25     YES
 L0002649         0   0.16060E-06  473350.1 3752964.9   465.0     3.49    16.74
3.25     YES
 L0002650         0   0.16060E-06  473386.1 3752965.2   464.8     3.49    16.74
3.25     YES
 L0002651         0   0.16060E-06  473422.1 3752965.6   464.0     3.49    16.74
3.25     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC                          ***        12/09/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        14:17:36

                                  PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

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

 L0002652         0   0.16060E-06  473458.1 3752965.9   463.4     3.49    16.74
3.25     YES
 L0002653         0   0.16060E-06  473494.1 3752966.2   463.0     3.49    16.74
3.25     YES
 L0002654         0   0.16060E-06  473530.1 3752966.6   464.0     3.49    16.74
3.25     YES
 L0002655         0   0.16060E-06  473566.1 3752966.9   465.2     3.49    16.74
3.25     YES
 L0002656         0   0.16060E-06  473602.1 3752967.2   466.3     3.49    16.74
3.25     YES
 L0002657         0   0.16060E-06  473638.1 3752967.6   466.9     3.49    16.74
3.25     YES
 L0002658         0   0.16060E-06  473674.1 3752967.9   467.0     3.49    16.74
3.25     YES
 L0002659         0   0.16060E-06  473710.1 3752968.3   467.0     3.49    16.74
3.25     YES
 L0002660         0   0.16060E-06  473746.1 3752968.6   468.0     3.49    16.74
```

L0002661	0	0.16060E-06	473782.1	3752968.9	468.2	3.49	16.74	3.25	YES
L0002662	0	0.16060E-06	473818.1	3752969.3	468.8	3.49	16.74	3.25	YES
L0002439	0	0.32450E-06	471383.2	3752945.7	490.1	3.49	16.74	3.25	YES
L0002440	0	0.32450E-06	471419.2	3752946.0	490.9	3.49	16.74	3.25	YES
L0002441	0	0.32450E-06	471455.2	3752946.4	491.6	3.49	16.74	3.25	YES
L0002442	0	0.32450E-06	471491.2	3752946.7	491.4	3.49	16.74	3.25	YES
L0002443	0	0.32450E-06	471527.2	3752947.1	491.9	3.49	16.74	3.25	YES
L0002444	0	0.32450E-06	471563.2	3752947.4	491.2	3.49	16.74	3.25	YES
L0002445	0	0.32450E-06	471599.2	3752947.8	490.4	3.49	16.74	3.25	YES
L0002446	0	0.32450E-06	471635.2	3752948.1	489.4	3.49	16.74	3.25	YES
L0002447	0	0.32450E-06	471671.2	3752948.5	492.0	3.49	16.74	3.25	YES
L0002448	0	0.32450E-06	471707.2	3752948.8	492.7	3.49	16.74	3.25	YES
L0002449	0	0.32450E-06	471743.2	3752949.2	492.9	3.49	16.74	3.25	YES
L0002450	0	0.32450E-06	471779.2	3752949.5	491.7	3.49	16.74	3.25	YES
L0002451	0	0.32450E-06	471815.2	3752949.9	489.7	3.49	16.74	3.25	YES
L0002452	0	0.32450E-06	471851.2	3752950.2	489.2	3.49	16.74	3.25	YES
L0002453	0	0.32450E-06	471887.2	3752950.6	488.9	3.49	16.74	3.25	YES
L0002454	0	0.32450E-06	471923.2	3752950.9	487.7	3.49	16.74	3.25	YES
L0002455	0	0.32450E-06	471959.2	3752951.3	487.1	3.49	16.74	3.25	YES
L0002456	0	0.32450E-06	471995.2	3752951.6	487.4	3.49	16.74	3.25	YES
L0002457	0	0.32450E-06	472031.2	3752951.9	488.1	3.49	16.74	3.25	YES
L0002458	0	0.32450E-06	472067.2	3752952.3	487.6	3.49	16.74	3.25	YES
L0002459	0	0.32450E-06	472103.2	3752952.6	487.7	3.49	16.74	3.25	YES
L0002460	0	0.32450E-06	472139.2	3752953.0	486.8	3.49	16.74		

```
3.25     YES
 L0002461         0   0.32450E-06  472175.2 3752953.3   482.7     3.49    16.74
3.25     YES
 L0002462         0   0.32450E-06  472211.2 3752953.7   478.8     3.49    16.74
3.25     YES
 L0002463         0   0.32450E-06  472247.2 3752954.0   475.8     3.49    16.74
3.25     YES
 L0002464         0   0.32450E-06  472283.2 3752954.4   475.0     3.49    16.74
3.25     YES
 L0002465         0   0.32450E-06  472319.2 3752954.7   474.4     3.49    16.74
3.25     YES
 L0002466         0   0.32450E-06  472355.2 3752955.1   474.1     3.49    16.74
3.25     YES
 L0002467         0   0.32450E-06  472391.2 3752955.4   474.1     3.49    16.74
3.25     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC                          ***        12/09/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        14:17:36

                                  PAGE  12
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

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

 L0002468         0   0.32450E-06  472427.2 3752955.8   474.8     3.49    16.74
3.25     YES
 L0002469         0   0.32450E-06  472463.2 3752956.1   474.0     3.49    16.74
3.25     YES
 L0002470         0   0.32450E-06  472499.2 3752956.5   474.7     3.49    16.74
3.25     YES
 L0002471         0   0.32450E-06  472535.2 3752956.8   475.0     3.49    16.74
3.25     YES
 L0002472         0   0.32450E-06  472571.2 3752957.2   475.0     3.49    16.74
3.25     YES
 L0002473         0   0.32450E-06  472607.2 3752957.5   475.0     3.49    16.74
3.25     YES
 L0002474         0   0.32450E-06  472643.2 3752957.9   475.0     3.49    16.74
```

L0002475	0	0.32450E-06	472679.2	3752958.2	474.9	3.49	16.74	3.25	YES
L0002476	0	0.32450E-06	472715.2	3752958.6	474.9	3.49	16.74	3.25	YES
L0002477	0	0.32450E-06	472751.2	3752958.9	473.9	3.49	16.74	3.25	YES
L0002478	0	0.32450E-06	472787.2	3752959.3	473.0	3.49	16.74	3.25	YES
L0002479	0	0.32450E-06	472823.2	3752959.6	472.5	3.49	16.74	3.25	YES
L0002480	0	0.32450E-06	472859.2	3752960.0	472.0	3.49	16.74	3.25	YES
L0002481	0	0.32450E-06	472895.2	3752960.3	472.0	3.49	16.74	3.25	YES
L0002482	0	0.32450E-06	472931.2	3752960.7	471.1	3.49	16.74	3.25	YES
L0002483	0	0.32450E-06	472967.2	3752961.0	469.9	3.49	16.74	3.25	YES
L0002484	0	0.32450E-06	473003.2	3752961.4	469.0	3.49	16.74	3.25	YES
L0002485	0	0.32450E-06	473039.1	3752961.7	468.4	3.49	16.74	3.25	YES
L0002486	0	0.32450E-06	473075.1	3752962.1	468.0	3.49	16.74	3.25	YES
L0002487	0	0.32450E-06	473111.1	3752962.4	468.0	3.49	16.74	3.25	YES
L0002488	0	0.32450E-06	473147.1	3752962.8	467.2	3.49	16.74	3.25	YES
L0002489	0	0.32450E-06	473183.1	3752963.1	466.5	3.49	16.74	3.25	YES
L0002490	0	0.32450E-06	473219.1	3752963.5	465.3	3.49	16.74	3.25	YES
L0002491	0	0.32450E-06	473255.1	3752963.8	464.8	3.49	16.74	3.25	YES
L0002492	0	0.32450E-06	473291.1	3752964.2	464.8	3.49	16.74	3.25	YES
L0002493	0	0.32450E-06	473327.1	3752964.5	465.0	3.49	16.74	3.25	YES
L0002494	0	0.32450E-06	473363.1	3752964.8	465.0	3.49	16.74	3.25	YES
L0002495	0	0.32450E-06	473399.1	3752965.2	464.4	3.49	16.74	3.25	YES
L0002496	0	0.32450E-06	473435.1	3752965.5	464.0	3.49	16.74	3.25	YES
L0002497	0	0.32450E-06	473471.1	3752965.9	463.0	3.49	16.74	3.25	YES
L0002498	0	0.32450E-06	473507.1	3752966.2	463.2	3.49	16.74		

```
3.25     YES
 L0002499         0   0.32450E-06  473543.1 3752966.6   464.4     3.49    16.74
3.25     YES
 L0002500         0   0.32450E-06  473579.1 3752966.9   465.7     3.49    16.74
3.25     YES
 L0002501         0   0.32450E-06  473615.1 3752967.3   466.6     3.49    16.74
3.25     YES
 L0002502         0   0.32450E-06  473651.1 3752967.6   467.0     3.49    16.74
3.25     YES
 L0002503         0   0.32450E-06  473687.1 3752968.0   467.0     3.49    16.74
3.25     YES
 L0002504         0   0.32450E-06  473723.1 3752968.3   467.4     3.49    16.74
3.25     YES
 L0002505         0   0.32450E-06  473759.1 3752968.7   468.0     3.49    16.74
3.25     YES
 L0002506         0   0.32450E-06  473795.1 3752969.0   468.5     3.49    16.74
3.25     YES
 L0002507         0   0.32450E-06  473831.1 3752969.4   469.0     3.49    16.74
3.25     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC                          ***        12/09/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        14:17:36

                                  PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

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


  ALL        L0002068    , L0002069    , L0002070    , L0002071    , L0002072    ,
L0002073    , L0002074    , L0002075    ,

             L0002076    , L0002077    , L0002078    , L0002079    , L0002080    ,
L0002081    , L0002082    , L0002083    ,

             L0002084    , L0002085    , L0002086    , L0002087    , L0002088    ,
L0002089    , L0002090    , L0002091    ,

             L0002092    , L0002093    , L0002094    , L0002095    , L0002096    ,
L0002097    , L0002098    , L0002099    ,

             L0002100    , L0002101    , L0002102    , L0002103    , L0002104    ,
```

L0002105 , L0002106 , L0002107 ,

L0002108 , L0002109 , L0002110 , L0002111 , L0002112 ,
L0002113 , L0002114 , L0002115 ,

L0002116 , L0002117 , L0002118 , L0002119 , L0002120 ,
L0002121 , L0002122 , L0002123 ,

L0002124 , L0002125 , L0002126 , L0002127 , L0002128 ,
L0002129 , L0002130 , L0002131 ,

L0002132 , L0002133 , L0002134 , L0002135 , L0002136 ,
L0002137 , L0002138 , L0002139 ,

L0002140 , L0002141 , L0002142 , L0002143 , L0002144 ,
L0002145 , L0002146 , L0002147 ,

L0002148 , L0002149 , L0002150 , L0002151 , L0002152 ,
L0002153 , L0002154 , L0002155 ,

L0002156 , L0002157 , L0002158 , L0002159 , L0002160 ,
L0002161 , L0002162 , L0002163 ,

L0002164 , L0002165 , L0002166 , L0002167 , L0002168 ,
L0002169 , L0002170 , L0002171 ,

L0002172 , L0002173 , L0002174 , L0002175 , L0002176 ,
L0002177 , L0002178 , L0002179 ,

L0002180 , L0002181 , L0002182 , L0002183 , L0002184 ,
L0002185 , L0002186 , L0002187 ,

L0002188 , L0002189 , L0002190 , L0002191 , L0002192 ,
L0002193 , L0002194 , L0002195 ,

L0002196 , L0002197 , L0002198 , L0002199 , L0002200 ,
L0002201 , L0002202 , L0002203 ,

L0002204 , L0002205 , L0002206 , L0002207 , L0002208 ,
L0002209 , L0002210 , L0002211 ,

L0002212 , L0002213 , L0002214 , L0002215 , L0002216 ,
L0002217 , L0002218 , L0002219 ,

L0002220 , L0002221 , L0002222 , L0002223 , L0002224 ,
L0002225 , L0002226 , L0002227 ,

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	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 , L0002663 ,
	L0002664 , L0002665 , L0002666 , L0002667 , L0002668 , L0002669 , L0002670 , 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 ,
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 ,
*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC *** 12/09/19
*** AERMET - VERSION 16216 *** ***
*** 14:17:36

PAGE 15
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS
***

SRCGROUP ID SOURCE IDs
--- ---

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 , 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 ,
↑ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC *** 12/09/19
*** AERMET - VERSION 16216 *** ***
*** 14:17:36

PAGE 16
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	L0002068 , L0002069 , L0002070 , L0002071 , L0002072 , L0002073 , L0002074 , L0002075 ,
		L0002076 , L0002077 , L0002078 , L0002079 , L0002080 , L0002081 , L0002082 , L0002083 ,
		L0002084 , L0002085 , L0002086 , L0002087 , L0002088 , L0002089 , L0002090 , L0002091 ,
		L0002092 , L0002093 , L0002094 , L0002095 , L0002096 , L0002097 , L0002098 , L0002099 ,
		L0002100 , L0002101 , L0002102 , L0002103 , L0002104 , L0002105 , L0002106 , L0002107 ,
		L0002108 , L0002109 , L0002110 , L0002111 , L0002112 , L0002113 , L0002114 , L0002115 ,
		L0002116 , L0002117 , L0002118 , L0002119 , L0002120 , L0002121 , L0002122 , L0002123 ,
		L0002124 , L0002125 , L0002126 , L0002127 , L0002128 , L0002129 , L0002130 , L0002131 ,
		L0002132 , L0002133 , L0002134 , L0002135 , L0002136 , L0002137 , L0002138 , L0002139 ,
		L0002140 , L0002141 , L0002142 , L0002143 , L0002144 , L0002145 , L0002146 , L0002147 ,
		L0002148 , L0002149 , L0002150 , L0002151 , L0002152 , L0002153 , L0002154 , L0002155 ,
		L0002156 , L0002157 , L0002158 , L0002159 , L0002160 , L0002161 , L0002162 , L0002163 ,
		L0002164 , L0002165 , L0002166 , L0002167 , L0002168 , L0002169 , L0002170 , L0002171 ,
		L0002172 , L0002173 , L0002174 , L0002175 , L0002176 , L0002177 , L0002178 , L0002179 ,

```
             L0002180    , L0002181    , L0002182    , L0002183    , L0002184    ,
L0002185    , L0002186    , L0002187    ,

             L0002188    , L0002189    , L0002190    , L0002191    , L0002192    ,
L0002193    , L0002194    , L0002195    ,

             L0002196    , L0002197    , L0002198    , L0002199    , L0002200    ,
L0002201    , L0002202    , L0002203    ,

             L0002204    , L0002205    , L0002206    , L0002207    , L0002208    ,
L0002209    , L0002210    , L0002211    ,

             L0002212    , L0002213    , L0002214    , L0002215    , L0002216    ,
L0002217    , L0002218    , L0002219    ,

             L0002220    , L0002221    , L0002222    , L0002223    , L0002224    ,
L0002225    , L0002226    , L0002227    ,
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


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

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


             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    , L0002663    ,

             L0002664    , L0002665    , L0002666    , L0002667    , L0002668    ,
L0002669    , L0002670    , 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    ,
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    ,
```

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


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

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


             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    , 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 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(471016.5, 3752907.4, 496.3, 498.0, 0.0); (471089.0, 3752897.2, 496.0, 496.0, 0.0);
(471136.3, 3752915.7, 494.7, 494.7, 0.0); (471173.4, 3752910.4, 495.3, 495.3, 0.0);
(471254.1, 3752913.8, 495.3, 495.3, 0.0); (471500.8, 3752901.2, 493.3, 493.3, 0.0);
(471549.1, 3752902.6, 493.0, 493.0, 0.0); (471471.5, 3752899.2, 493.5, 493.5, 0.0);
(471526.8, 3752899.7, 493.8, 493.8, 0.0); (471583.1, 3752915.8, 491.9, 491.9, 0.0);
(471242.1, 3752913.1, 495.3, 495.3, 0.0); (471267.5, 3752913.6, 495.1, 495.1, 0.0);
(471180.2, 3752910.6, 495.4, 495.4, 0.0); (471165.1, 3752910.8, 495.1, 495.1, 0.0);
(471068.2, 3752897.2, 496.0, 496.0, 0.0); (471110.8, 3752897.8, 495.9, 495.9, 0.0);
(471595.6, 3752916.3, 491.7, 491.7, 0.0); (471010.0, 3753084.4, 496.7, 496.7, 0.0);
(470959.2, 3753133.9, 499.7, 499.7, 0.0); (470959.5, 3753119.3, 499.7, 499.7, 0.0);
(470959.2, 3753098.9, 499.6, 499.6, 0.0); (470955.8, 3753159.6, 498.3, 498.3, 0.0);
(470955.3, 3753014.9, 499.8, 499.8, 0.0); (470937.7, 3753013.8, 500.4, 500.4, 0.0);
(470919.8, 3753011.8, 500.8, 500.8, 0.0); (472493.7, 3753014.4, 474.0, 474.0, 0.0);
(472664.0, 3753026.9, 473.6, 473.6, 0.0); (472833.4, 3752998.5, 472.1, 472.1, 0.0);

(472951.1, 3753016.4, 472.3, 472.3, 0.0); (473056.4, 3753035.1, 468.1, 468.1, 0.0);
(473129.4, 3753030.0, 467.3, 469.0, 0.0); (473066.5, 3752894.9, 469.0, 469.0, 0.0);
(473939.9, 3752943.4, 470.0, 470.0, 0.0); (473589.7, 3753014.9, 466.0, 466.0, 0.0);
(473688.1, 3753010.2, 467.0, 467.0, 0.0); (470555.1, 3753195.0, 512.8, 521.0, 0.0);
(470384.8, 3753318.2, 505.0, 505.0, 0.0); (470462.0, 3753228.9, 510.7, 521.0, 0.0);
(471353.2, 3752872.5, 496.6, 496.6, 0.0); (471337.6, 3752871.7, 497.6, 497.6, 0.0);
(471319.2, 3752871.4, 498.2, 498.2, 0.0); (471299.5, 3752871.7, 498.5, 498.5, 0.0);
(471282.8, 3752870.6, 498.6, 498.6, 0.0); (471263.0, 3752871.4, 498.1, 498.1, 0.0);
(471244.4, 3752871.4, 497.7, 497.7, 0.0); (471224.9, 3752869.5, 497.8, 497.8, 0.0);
(471205.5, 3752868.7, 497.9, 497.9, 0.0); (471157.5, 3752867.0, 499.0, 499.0, 0.0);
(471183.0, 3752869.2, 498.0, 498.0, 0.0); (471130.6, 3752866.5, 499.0, 499.0, 0.0);
(471070.6, 3752868.4, 497.9, 497.9, 0.0); (471014.4, 3752868.7, 498.8, 498.8, 0.0);
(470962.1, 3752901.5, 497.8, 497.8, 0.0); (470942.6, 3752901.8, 498.7, 498.7, 0.0);
(470914.4, 3752901.8, 500.0, 500.0, 0.0); (471641.1, 3752922.4, 490.2, 490.2, 0.0);
(471621.4, 3752861.3, 491.7, 491.7, 0.0); (471692.3, 3752876.5, 493.5, 493.5, 0.0);
(471721.2, 3752875.4, 494.0, 494.0, 0.0); (471752.7, 3752924.3, 494.0, 494.0, 0.0);
(471686.7, 3752924.3, 493.1, 493.1, 0.0); (471720.8, 3752924.3, 494.0, 494.0, 0.0);
(471783.8, 3752925.5, 492.4, 492.4, 0.0); (471604.7, 3752915.6, 491.5, 491.5, 0.0);
(471834.3, 3752925.4, 490.6, 490.6, 0.0); (471883.0, 3752920.4, 490.1, 490.1, 0.0);
(471923.4, 3752924.8, 488.6, 488.6, 0.0); (471963.6, 3752922.0, 487.4, 494.0, 0.0);
(472020.3, 3752922.0, 492.8, 494.0, 0.0); (472095.2, 3752923.8, 492.2, 492.2, 0.0);
(472150.7, 3752923.4, 488.9, 495.0, 0.0); (472176.1, 3752895.9, 486.4, 495.0, 0.0);
(472134.1, 3752866.0, 490.5, 495.0, 0.0); (472091.7, 3752850.4, 492.3, 492.3, 0.0);
(472015.7, 3752901.7, 492.5, 492.5, 0.0); (471963.5, 3752907.5, 487.8, 487.8, 0.0);

(471925.8, 3752874.0, 490.7, 490.7, 0.0); (471884.5, 3752863.7, 492.1, 492.1, 0.0);
(471839.1, 3752861.4, 492.1, 492.1, 0.0); (471849.3, 3752907.8, 490.6, 490.6, 0.0);
(471783.1, 3752864.2, 493.3, 493.3, 0.0); (471752.4, 3752864.2, 494.0, 494.0, 0.0);
(471722.8, 3752865.3, 494.0, 494.0, 0.0); (471649.5, 3752885.8, 491.3, 491.3, 0.0);
(469950.1, 3753045.1, 491.9, 491.9, 0.0); (470566.0, 3753774.5, 494.2, 501.0, 0.0);
(469960.1, 3753404.0, 498.0, 498.0, 0.0); (470561.0, 3754056.5, 485.9, 488.0, 0.0);
(472442.8, 3753233.4, 471.9, 471.9, 0.0); (471626.2, 3754395.7, 466.5, 939.0, 0.0);
*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\13040 HRA\13040 HRA.ISC *** 12/09/19
*** AERMET - VERSION 16216 *** ***
*** 14:17:36

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(471963.4, 3754183.9, 464.9, 939.0, 0.0); (469315.7, 3754061.1, 484.1, 484.1, 0.0);
(469342.8, 3754228.4, 479.8, 479.8, 0.0); (469246.7, 3754299.6, 471.2, 475.0, 0.0);
(469368.8, 3754306.4, 476.3, 476.3, 0.0); (469531.8, 3750815.5, 492.9, 492.9, 0.0);
(469594.6, 3750778.4, 493.6, 493.6, 0.0); (469512.4, 3750832.6, 492.7, 492.7, 0.0);
(472342.9, 3753930.6, 458.0, 939.0, 0.0); (472451.2, 3753501.8, 471.8, 471.8, 0.0);
(470562.3, 3753826.8, 495.8, 501.0, 0.0); (470563.4, 3753881.3, 490.4, 501.0, 0.0);
(470567.9, 3753936.8, 488.0, 488.0, 0.0); (470574.6, 3754004.6, 483.7, 487.0, 0.0);
(471397.0, 3752866.1, 495.1, 495.1, 0.0); (471412.8, 3752869.1, 494.9, 494.9, 0.0);
(471430.7, 3752871.7, 494.8, 494.8, 0.0); (471450.3, 3752868.7, 494.3, 494.3, 0.0);
(471470.4, 3752870.8, 493.6, 493.6, 0.0); (471487.0, 3752871.3, 493.1, 493.1, 0.0);
(471507.7, 3752873.4, 493.6, 493.6, 0.0); (471529.1, 3752872.1, 493.9, 493.9, 0.0);

(471549.6, 3752872.1, 493.8, 493.8, 0.0); (471577.8, 3752868.7, 493.0, 493.0, 0.0);
(471587.6, 3752843.9, 492.7, 492.7, 0.0); (471618.8, 3752825.0, 492.3, 492.3, 0.0);
(470880.8, 3752896.2, 500.0, 500.0, 0.0);

* 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)
L0002577	470955.8	3753159.6	-0.21
L0002578	470959.2	3753133.9	-6.38
L0002578	470959.5	3753119.3	-0.61
L0002579	471010.0	3753084.4	-7.04
L0002579	470959.5	3753119.3	-3.02
L0002579	470959.2	3753098.9	-5.98
L0002580	471010.0	3753084.4	-9.62
L0002584	471016.5	3752907.4	0.25
L0002587	471136.3	3752915.7	-2.38
L0002588	471136.3	3752915.7	-2.21
L0002588	471165.1	3752910.8	

-0.69			
	L0002589	471180.2	3752910.6
-0.49			
	L0002590	471242.1	3752913.1
-0.25			
	L0002591	471254.1	3752913.8
-3.41			
	L0002591	471267.5	3752913.6
-3.71			
	L0002600	471583.1	3752915.8
-3.19			
	L0002600	471595.6	3752916.3
-2.55			
	L0002601	471641.1	3752922.4
-3.55			
	L0002602	471641.1	3752922.4
-4.34			
	L0002603	471686.7	3752924.3
-9.78			
	L0002603	471720.8	3752924.3
0.62			
	L0002604	471752.7	3752924.3
-2.02			
	L0002604	471720.8	3752924.3
-8.87			
	L0002605	471752.7	3752924.3
-6.89			
	L0002605	471783.8	3752925.5
-5.69			
	L0002606	471783.8	3752925.5
-4.98			
	L0002607	471834.3	3752925.4
-10.28			
	L0002608	471883.0	3752920.4
-4.03			
	L0002609	471923.4	3752924.8
-6.19			
	L0002610	471923.4	3752924.8
-0.68			
	L0002610	471963.6	3752922.0
-1.46			
	L0002611	471963.6	3752922.0
-0.63			
	L0002612	472020.3	3752922.0
-5.46			
	L0002614	472095.2	3752923.8
-6.28			
	L0002616	472150.7	3752923.4

```
-3.48
                              L0002445            471583.1     3752915.8
-0.18
                              L0002445            471595.6     3752916.3
-4.37
                              L0002445            471604.7     3752915.6
-3.36
                              L0002446            471641.1     3752922.4
-9.64
                              L0002447            471686.7     3752924.3
-7.33
*** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC                          ***        12/09/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        14:17:36

                                  PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


                              SOURCE          - - RECEPTOR LOCATION - -
DISTANCE
                                ID            XR (METERS)   YR (METERS)
(METERS)
                            - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - -

                              L0002448            471686.7     3752924.3
-4.02
                              L0002448            471720.8     3752924.3
-7.98
                              L0002449            471752.7     3752924.3
-9.41
                              L0002449            471720.8     3752924.3
-2.54
                              L0002450            471752.7     3752924.3
0.59
                              L0002450            471783.8     3752925.5
-11.51
                              L0002451            471834.3     3752925.4
-4.94
                              L0002452            471834.3     3752925.4
-5.93
```

```
                              L0002453            471883.0     3752920.4
-5.56
                              L0002454            471923.4     3752924.8
-9.86
                              L0002455            471963.6     3752922.0
-6.40
                              L0002457            472020.3     3752922.0
-4.12
                              L0002459            472095.2     3752923.8
-6.11
                              L0002460            472150.7     3752923.4
-4.24
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
WHAT IS INCLUDED IN THE DATA FILE.



                                       *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                                  (METERS/SEC)
```

```
                                                    1.54,   3.09,   5.14,   8.23,
10.80,
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC                          ***        12/09/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        14:17:36

                                  PAGE  24
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

   Surface file:   KRAL_V9_ADJU\KRAL_V9.SFC
                 Met Version:  16216
   Profile file:   KRAL_V9_ADJU\KRAL_V9.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:     3171                  Upper air station no.:     3190
                 Name: UNKNOWN                                     Name: UNKNOWN

                 Year:   2012                                      Year:   2012

 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
 12 01 01   1 01  -25.6  0.266 -9.000 -9.000 -999.  330.     77.9  0.15   2.40
1.00    2.93   55.   10.1  288.1    2.0
 12 01 01   1 02  -26.8  0.277 -9.000 -9.000 -999.  351.     84.7  0.15   2.40
1.00    3.05   55.   10.1  287.0    2.0
 12 01 01   1 03  -21.5  0.221 -9.000 -9.000 -999.  250.     53.5  0.15   2.40
1.00    2.45   74.   10.1  284.2    2.0
 12 01 01   1 04  -22.0  0.227 -9.000 -9.000 -999.  260.     56.8  0.15   2.40
1.00    2.52   77.   10.1  285.9    2.0
 12 01 01   1 05  -20.0  0.206 -9.000 -9.000 -999.  225.     46.8  0.15   2.40
1.00    2.30   80.   10.1  285.4    2.0
 12 01 01   1 06  -14.4  0.171 -9.000 -9.000 -999.  170.     32.1  0.15   2.40
1.00    1.93   79.   10.1  287.0    2.0
 12 01 01   1 07  -14.9  0.174 -9.000 -9.000 -999.  174.     33.2  0.15   2.40
1.00    1.96   77.   10.1  284.2    2.0
 12 01 01   1 08  -11.9  0.169 -9.000 -9.000 -999.  167.     36.1  0.15   2.40
0.53    1.89   77.   10.1  288.1    2.0
```

```
 12 01 01   1 09   40.4  0.234  0.359  0.006   40.  272.    -28.1  0.15   2.40
0.31    2.10   81.   10.1  289.2    2.0
 12 01 01   1 10  112.6  0.246  0.742  0.005  129.  293.    -11.8  0.15   2.40
0.24    1.99  101.   10.1  296.4    2.0
 12 01 01   1 11  161.0  0.402  1.188  0.005  369.  611.    -35.6  0.15   2.40
0.21    3.68   78.   10.1  298.8    2.0
 12 01 01   1 12  184.7  0.337  1.516  0.005  668.  473.    -18.4  0.15   2.40
0.20    2.89   68.   10.1  300.4    2.0
 12 01 01   1 13  183.9  0.310  1.809  0.005 1139.  414.    -14.2  0.15   2.40
0.20    2.57   64.   10.1  302.5    2.0
 12 01 01   1 14  156.6  0.374  1.852  0.005 1434.  549.    -29.5  0.15   2.40
0.22    3.37   63.   10.1  303.1    2.0
 12 01 01   1 15  104.3  0.382  1.658  0.005 1546.  567.    -47.2  0.15   2.40
0.25    3.59   62.   10.1  302.5    2.0
 12 01 01   1 16   31.8  0.374  1.123  0.005 1573.  550.   -145.8  0.15   2.40
0.34    3.76   69.   10.1  300.9    2.0
 12 01 01   1 17  -23.3  0.276 -9.000 -9.000 -999.  354.     84.0  0.15   2.40
0.62    3.03   59.   10.1  297.5    2.0
 12 01 01   1 18  -21.5  0.229 -9.000 -9.000 -999.  264.     57.8  0.15   2.40
1.00    2.54   54.   10.1  295.4    2.0
 12 01 01   1 19  -19.3  0.204 -9.000 -9.000 -999.  221.     45.6  0.15   2.40
1.00    2.27   79.   10.1  292.0    2.0
 12 01 01   1 20  -20.7  0.218 -9.000 -9.000 -999.  244.     52.2  0.15   2.40
1.00    2.42   79.   10.1  292.5    2.0
 12 01 01   1 21  -19.7  0.206 -9.000 -9.000 -999.  225.     46.9  0.15   2.40
1.00    2.30   95.   10.1  290.9    2.0
 12 01 01   1 22  -17.6  0.190 -9.000 -9.000 -999.  199.     39.8  0.15   2.40
1.00    2.13   78.   10.1  290.4    2.0
 12 01 01   1 23  -20.3  0.211 -9.000 -9.000 -999.  233.     49.0  0.15   2.40
1.00    2.35   52.   10.1  289.2    2.0
 12 01 01   1 24  -16.4  0.183 -9.000 -9.000 -999.  189.     37.0  0.15   2.40
1.00    2.06   75.   10.1  288.8    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01   10.1 1   55.    2.93   288.2   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC                          ***        12/09/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        14:17:36

                                  PAGE  25
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
```

YEARS FOR SOURCE GROUP: ALL *** INCLUDING SOURCE(S): L0002068 , L0002069 , L0002070 , L0002071 , L0002072 , L0002073 , L0002074 , L0002075 , L0002076 , L0002077 , L0002078 , L0002079 , L0002080 , L0002081 , L0002082 , L0002083 , L0002084 , L0002085 , L0002086 , L0002087 , L0002088 , L0002089 , L0002090 , L0002091 , L0002092 , L0002093 , L0002094 , L0002095 , . . . ,

*** 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
471016.49	3752907.36	0.00051	471088.96	3752897.16	0.00055
471136.30	3752915.74	0.00056	471173.36	3752910.40	0.00066
471254.12	3752913.84	0.00064	471500.82	3752901.23	0.00087
471549.13	3752902.57	0.00088	471471.52	3752899.22	0.00083
471526.76	3752899.66	0.00083	471583.13	3752915.77	0.00090
471242.15	3752913.08	0.00064	471267.52	3752913.56	0.00065
471180.25	3752910.65	0.00060	471165.06	3752910.81	0.00060
471068.19	3752897.25	0.00055	471110.82	3752897.78	0.00056
471595.63	3752916.35	0.00089	471010.01	3753084.44	0.00112
470959.18	3753133.86	0.00122	470959.49	3753119.30	0.00110
470959.18	3753098.86	0.00104	470955.76	3753159.61	0.00132
470955.32	3753014.91	0.00075	470937.69	3753013.78	0.00067
470919.78	3753011.83	0.00062	472493.74	3753014.36	0.00059
472664.00	3753026.86	0.00051	472833.42	3752998.50	0.00076

472951.15 3753016.42 0.00058 473056.41 3753035.06 0.00046
473129.42 3753030.02 0.00049 473066.48 3752894.91 0.00057
473939.91 3752943.44 0.00024 473589.69 3753014.86 0.00060
473688.13 3753010.22 0.00064 470555.15 3753195.02 0.00016
470384.78 3753318.16 0.00011 470461.97 3753228.92 0.00013
471353.22 3752872.49 0.00052 471337.59 3752871.67 0.00051
471319.23 3752871.40 0.00049 471299.49 3752871.67 0.00048
471282.77 3752870.58 0.00047 471263.04 3752871.40 0.00048
471244.40 3752871.40 0.00047 471224.94 3752869.48 0.00046
471205.48 3752868.66 0.00045 471157.51 3752867.01 0.00042
471183.00 3752869.21 0.00045 471130.65 3752866.46 0.00041
471070.62 3752868.38 0.00042 471014.43 3752868.66 0.00040
470962.08 3752901.55 0.00046 470942.62 3752901.82 0.00043
470914.38 3752901.82 0.00040 471641.13 3752922.43 0.00086
471621.40 3752861.34 0.00056 471692.35 3752876.51 0.00062
471721.19 3752875.37 0.00061 471752.68 3752924.32 0.00073
471686.66 3752924.32 0.00080 471720.81 3752924.32 0.00073
471783.80 3752925.46 0.00085 471604.70 3752915.60 0.00094
471834.29 3752925.36 0.00077 471883.02 3752920.41 0.00085
471923.43 3752924.77 0.00082 471963.64 3752922.00 0.00079
472020.29 3752922.00 0.00080 472095.20 3752923.85 0.00080
472150.67 3752923.39 0.00077 472176.07 3752895.88 0.00065
472134.12 3752866.05 0.00049 472091.70 3752850.44 0.00044
472015.72 3752901.71 0.00072 471963.52 3752907.54 0.00085

```
         471925.76    3752873.98        0.00058                      471884.51
3752863.72        0.00053
         471839.07    3752861.39        0.00053                      471849.32
3752907.77        0.00088
↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC                          ***        12/09/19
 *** AERMET - VERSION  16216 ***   ***
                       ***        14:17:36

                                   PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0002068    , L0002069
 , L0002070    , L0002071    , L0002072    ,
                L0002073    , L0002074    , L0002075    , L0002076    , L0002077
 , L0002078    , L0002079    , L0002080    ,
                L0002081    , L0002082    , L0002083    , L0002084    , L0002085
 , L0002086    , L0002087    , L0002088    ,
                L0002089    , L0002090    , L0002091    , L0002092    , L0002093
 , L0002094    , L0002095    ,  . . .      ,

                                                *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         471783.13    3752864.19        0.00055                      471752.37
3752864.19        0.00055
         471722.84    3752865.35        0.00056                      471649.49
3752885.81        0.00070
         469950.13    3753045.14        0.00006                      470565.96
3753774.46        0.00009
         469960.14    3753403.96        0.00006                      470560.96
3754056.51        0.00006
         472442.82    3753233.44        0.00021                      471626.18
3754395.69        0.00005
         471963.43    3754183.87        0.00006                      469315.66
3754061.08        0.00002
         469342.79    3754228.40        0.00002                      469246.69
3754299.62        0.00002
         469368.79    3754306.41        0.00002                      469531.80
```

3750815.54 0.00002
469594.63 3750778.40 0.00002 469512.38
3750832.61 0.00002
472342.88 3753930.59 0.00007 472451.24
3753501.84 0.00013
470562.33 3753826.83 0.00008 470563.44
3753881.29 0.00008
470567.89 3753936.85 0.00007 470574.56
3754004.65 0.00007
471396.98 3752866.15 0.00054 471412.77
3752869.14 0.00057
471430.70 3752871.70 0.00059 471450.33
3752868.71 0.00058
471470.40 3752870.85 0.00060 471487.04
3752871.28 0.00061
471507.73 3752873.37 0.00062 471529.08
3752872.09 0.00061
471549.57 3752872.09 0.00061 471577.76
3752868.68 0.00060
471587.58 3752843.91 0.00049 471618.79
3752825.02 0.00044
470880.76 3752896.18 0.00037

*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\13040 HRA\13040 HRA.ISC *** 12/09/19
*** AERMET - VERSION 16216 *** *** *** 14:17:36

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

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

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

```
499.68,   499.68,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00112 AT (  471010.01,  3753084.44,
496.70,   496.70,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00110 AT (  470959.49,  3753119.30,
499.67,   499.67,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00104 AT (  470959.18,  3753098.86,
499.60,   499.60,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00094 AT (  471604.70,  3752915.60,
491.47,   491.47,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00090 AT (  471583.13,  3752915.77,
491.92,   491.92,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00089 AT (  471595.63,  3752916.35,
491.65,   491.65,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00088 AT (  471549.13,  3752902.57,
493.01,   493.01,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00088 AT (  471849.32,  3752907.77,
490.64,   490.64,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13040 HRA\13040
HRA.ISC                          ***        12/09/19
 *** AERMET - VERSION  16216 ***   ***
                        ***        14:17:36

                                   PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of         1638 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of         1039 Calm Hours Identified

 A Total of          599 Missing Hours Identified (  1.37 Percent)


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

```
   ********   WARNING MESSAGES   ********
ME W186    1095       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
ME W187    1095       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

AVERAGE EMISSION FACTOR
RIVERSIDE 2023

Speed	LHD1	MHD	HHD
0	0.375177	0.038817	0.01208
5	0.034051	0.005947	0.01251
25	0.012412	0.002894	0.00668

Speed	**Weighted Average Emissions**
0	**0.07860**
5	**0.01476**
25	**0.00686**

Emission Rates - 2023 Emission Factors

Truck Emission Rates						
Source	Trucks Per Day	VMT [a] (miles/day)	Truck Emission Rate [b] (grams/mile)	Truck Emission Rate [b] (grams/idle-hour)	Daily Truck Emissions [c] (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling Building A1	23			0.0786	0.44	5.141E-06
On-Site Idling Building A2	23			0.0786	0.44	5.141E-06
On-Site Idling Building B	92			0.0786	1.80	2.088E-05
On-Site Travel Building A1	45	15.47	0.0148		0.23	2.643E-06
On-Site Travel Building A2	45	19.95	0.0148		0.29	3.409E-06
On-Site Travel Bulding B	184	60.69	0.0148		0.90	1.037E-05
Off-Site Travel 33% Inbound/Outbound	90	174.09	0.0069		1.19	1.381E-05
Off-Site Travel 67% Inbound/Outbound	184	282.17	0.0069		1.93	2.239E-05

[a] Vehicle miles traveled are for modeled truck route only.

[b] Emission rates determined using EMFAC 2017. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

[c] This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes.

calendar_y	season_mo	sub_area	vehicle_class	fuel	temperatu	relative_hu	process	speed_tim	pollutant	emission_rate
2023	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	5	PM10	0.013015
2023	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	25	PM10	0.00695
2023	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.071342
2023	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.026006
2023	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	5	PM10	0.006736
2023	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	25	PM10	0.003278
2023	Annual	Riverside (	HHDT	Dsl			IDLEX		PM10	0.012569
2023	Annual	Riverside (	LHDT1	Dsl			IDLEX		PM10	0.786058
2023	Annual	Riverside (	MHDT	Dsl			IDLEX		PM10	0.043967

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: RIVERSIDE
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Y	Vehicle Ca	Model Yea	Speed	Fuel	Population
RIVERSID	2023	HHDT	Aggregate	Aggregate	GAS	7.088214
RIVERSID	2023	HHDT	Aggregate	Aggregate	DSL	28234.19
RIVERSID	2023	HHDT	Aggregate	Aggregate	NG	355.8193
RIVERSID	2023	LHDT1	Aggregate	Aggregate	GAS	20379.4
RIVERSID	2023	LHDT1	Aggregate	Aggregate	DSL	20310.56
RIVERSID	2023	MHDT	Aggregate	Aggregate	GAS	2097.293
RIVERSID	2023	MHDT	Aggregate	Aggregate	DSL	15231.09

HHDT% GAS/NG	0.01269
HHDT% DSL	0.98731
LHDT1% GAS	0.500846
LHDT1% DSL	0.499154
MHDT% GAS	0.121032
MHDT% DSL	0.878968

APPENDIX 2.2:

RISK CALCULATIONS

Table 1
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
-0.25 to 0 Age Bin Exposure Scenario

Source	Mass GLC		Weight	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
			Fraction		URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00086	8.60E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.0E-07	9.5E-09	5.0E+00	1.4E-03	1.7E-04							
TOTAL								9.5E-09			1.7E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	0.25
inhalation rate (L/kg-day))	361
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor (age third trimester	10

Table 2
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
0-2 Age Bin Exposure Scenario

Source	Mass GLC		Weight	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
			Fraction		URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00086	8.60E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	9.0E-07	2.3E-07	5.0E+00	1.4E-03	1.7E-04							
TOTAL								2.3E-07			1.7E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	2
inhalation rate (L/kg-day))	1090
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor (0 to 2 years old)	10

Table 3
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
2-16 Age Bin Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00086	8.60E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	4.7E-07	2.1E-07	5.0E+00	1.4E-03	1.7E-04							
TOTAL								2.1E-07			1.7E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	572
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.72
age sensitivity factor (ages 2 to 16 years	3

Table 4
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
16-30 Age Bin Exposure Scenario

Source	Mass GLC		Weight	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
			Fraction		URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00086	8.60E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.2E-07	3.3E-08	5.0E+00	1.4E-03	1.7E-04							
TOTAL								3.3E-08			1.7E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
								0.03										

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	261
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.73
age sensitivity factor (ages 16 to 30 years old)	1

Total Risk for All Age Bins (per million) 0.49

Table 5
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
25-Year Worker Exposure Scenario

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
						URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
		(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	1.32E-03	1.32E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.1E-07	7.8E-08	5.0E+00	1.4E-03	2.6E-04							
	TOTAL								7.8E-08 0.08			2.6E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	250
exposure duration (years)	25
inhalation rate (L/kg-day))	230
inhalation absorption factor	1
averaging time (years)	70

Table 6
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
9-Year School Child Exposure Scenario

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
						URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
		(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	3.00E-05	3.00E-08	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	8.5E-09	3.4E-09	5.0E+00	1.4E-03	6.0E-06							
	TOTAL								3.4E-09 0.003			6.0E-06	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	180
exposure duration (years)	9
inhalation rate (L/kg-day))	572
inhalation absorption factor	1
averaging time (years)	70
age sensitivity factor (ages 4-13)	3

urbanxroads.com

September 25, 2020

Ms. Sonya Hooker
Ruth Villalobos & Associates, Inc.
3602 Inland Empire Blvd., Suite C310
Ontario, CA 91764

SUBJECT: CONSTRUCTION HEALTH RISK ASSESSMENT MEMORANDUM

Dear Ms. Sonya Hooker:

Urban Crossroads, Inc. is pleased to submit this construction health risk assessment memorandum to Ruth Villalobos & Associates, Inc..

PURPOSE

California Air Resources Board (CARB) has recently been commenting on projects subject to the California Environmental Quality Act (CEQA), requesting that projects that involve construction activity longer than two months should include a construction health risk assessment (HRA). CARB refers to guidance from the Office of Environmental Health Hazard Assessment (OEHHA) to support its claim that construction HRAs should be performed. The purpose of this memo is to indicate why a construction HRA analysis is not appropriate or recommended at this time.

PROJECT DESCRIPTION

The Project proposes subdividing the site into two parcels (Parcels 1 and 2), and three lettered parcels (Parcels A, B, and C). Each parcel is proposed to be developed with a high cube transload short-term warehouse building (Buildings A and B). Building A, a 400,000 square foot warehouse, will be constructed on Parcel 1. Building B, a 203,100 square foot warehouse, will be constructed on Parcel 2. Associated improvements include parking, fire lanes, fencing and walls (including retaining walls), landscaping, and water quality treatment areas. Construction is anticipated to last approximately 15 months.

BACKGROUND

Mobile HRAs are typically conducted to evaluate long-term exposure (e.g. 9 or 30 years) diesel particulate matter (DPM) emissions associated with a project's long-term diesel truck travel (i.e. those traveling to and from warehouses) on nearby sensitive receptors (residences, schools, etc.). Heavy-duty off-road construction equipment (graders, excavators, dozers, scrapers, loaders, etc.) typically have diesel engines and emit DPM emissions. However, construction activity is typically short-term (1-2 years or less), as is anticipated for the proposed Sycamore Hills Distribution Center project, and does not constitute long-term exposure, typically used to generate risk estimates.

Urban Crossroads, Inc. has reviewed the referenced OEHHA Guidance Manual[1] to determine applicability of the use of early life exposure adjustments to (DPM) emissions resulting from construction activity.

Specifically, the OEHHA Guidance states "Due to the uncertainty in assessing cancer risk from very short-term exposures, we do not recommend assessing cancer risk for projects lasting less than two months at the MEIR. We recommend that exposure from projects longer than 2 months but less than 6 months be assumed to last 6 months (e.g., a 2-month project would be evaluated as if it lasted 6 months)." (2015 Guidance Manual p. 8-18.)

As such, the determination of whether a construction HRA is warranted is dependent on whether or not early life exposure adjustments apply to DPM emissions resulting from construction activity. This memorandum outlines the substantial evidence to support why early life exposure adjustments are *not* applicable to construction DPM and therefore a construction health risk assessment is not required due to the short-term duration of construction activity (long-term exposure e.g. 9 or 30 years of activity are typically used to generate a risk estimates).

JUSTIFICATION

For risk assessments conducted under the auspices of The Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB 2588), OEHHA applies specific adjustment factors to all carcinogens regardless of purported mechanism of action. Notwithstanding, applicability of AB 2588 is limited to commercial and industrial operations. There are two broad classes of facilities subject to the AB 2588 Program: 1) Core facilities and 2) facilities identified within discrete industry-wide source categories. Core facilities subject to AB 2588 compliance are sources whose criteria pollutant emissions (particulate matter, oxides of sulfur, oxides of nitrogen and volatile organic compounds) are 25 tons per year or more as well as those facilities whose criteria pollutant emissions are 10 tons per year or more but less than 25 tons per year. Industry-wide source facilities are classified as smaller operations with relatively similar emission profiles (e.g., auto body shops, gas stations and dry cleaners using perchloroethylene). The emissions generated from off-road mobile sources are not classified in AB 2588 as core operations nor subject to industry-wide source evaluation.

In comments presented to the South Coast Air Quality Management District (SCAQMD) Governing Board (Meeting Date: June 5, 2015, Agenda No. 28) relating to toxic air contaminant exposures under Rules 1401, 1401.1, 1402 and 212 revisions, use of the OEHHA Guidelines specifically related to the applicability and use of early-life exposure adjustments for projects subject to CEQA, it was reported that[2]:

> "The Proposed Amended Rules are separate from the CEQA significance thresholds. The SCAQMD

[1] http://oehha.ca.gov/air/hot_spots/hotspots2015.html

2 See Response to Comment #13, Page A-7 and A-8 of the June 5, 2015 board meeting Agenda No. 28. http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2015/2015-jun1-028

> staff is currently evaluating how to implement the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will evaluate a variety of options on how to evaluate health risks under the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will conduct public workshops to gather input before bringing recommendations to the Governing Board. In the interim, staff will continue to use the previous guidelines for CEQA determinations."

To date, the SCAQMD, as a commenting agency, has not conducted public workshops nor developed policy relating to the application of early-life exposure adjustments utilizing the OEHHA Guidance Manual for projects prepared by other public/lead agencies subject to CEQA.

As a result, it is recommended that health risk assessments rely upon U.S. EPA documentation when evaluating the use of early life exposure adjustment factors (*Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens*, EPA/630/R-003F) wherein adjustment factors are only considered when carcinogens act "through the mutagenic mode of action." A mutagen is a physical or chemical agent that changes genetic material, such as DNA, increasing the frequency of mutations to produce carcinogenic effects. The use of adjustment factors is recommended to account for the susceptibility of producing adverse health effects during early life stages from exposure to these mutagenic compounds.

In 2006, U.S. EPA published a memorandum which provides guidance regarding the preparation of health risk assessments should carcinogenic compounds elicit a mutagenic mode of action (USEPA, 2006[3]). As presented in the technical memorandum, numerous compounds were identified as having a mutagenic mode of action. For diesel particulates, polycyclic aromatic hydrocarbons (PAHs) and their derivatives, which are known to exhibit a mutagenic mode of action, comprise < 1% of the exhaust particulate mass. To date, the U.S. Environmental Protection Agency reports that whole diesel engine exhaust has not been shown to elicit a mutagenic mode of action (USEPA, 2018[4]).

Additionally, the California Department of Toxic Substances Control (DTSC) which is charged with protecting individuals and the environment from the effects of toxic substances and responsible for assessing, investigating and evaluating sensitive receptor populations to ensure that properties are free of contamination or that health protective remediation levels are achieved has adopted the U.S. EPA's policy in the application of early-life exposure adjustments which is consistent with the methodology considered herein. As such, incorporation of early-life exposure adjustments for exposures to DPM emissions in the quantification of carcinogenic risk for construction of the proposed project are not considered.

Given that there is no available guidance that has been adopted by SCAQMD for CEQA purposes and the

3 United States Environmental Protection Agency, 2006. Memorandum – Implementation of the Cancer Guidelines and Accompanying Supplemental Guidance - Science Policy Council Cancer Guidelines Implementation Workgroup Communication II: Performing Risk Assessments that include Carcinogens Described in the Supplemental Guidance as having a Mutagenic Mode of Action.

4 United States Environmental Protection Agency, National Center for Environmental Assessment, 2018. Integrated Risk Information System (IRIS). Diesel Engine Exhaust.

fact that the Project does not emit any pollutants that elicit a primary mutagenic mode of action, the use of the OEHHA guidelines to determine potential construction health risks would not be appropriate and therefore is not recommended at this time.

Respectfully submitted,

Haseeb Qureshi,
Associate Principal

URBAN CROSSROADS, INC.