

**Sycamore Hills Distribution Center Project**

**Final Environmental Impact Report (FEIR)**

**Revised Appendix C – Air Quality Analysis**



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

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A handwritten signature in cursive script that reads "Jessica Fleming".

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# 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 <sub>2</sub>   | 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 <sub>2</sub>   | nitrogen dioxide                                                               |
| NO <sub>x</sub>   | oxides of nitrogen                                                             |
| Pb                | lead                                                                           |
| PM <sub>10</sub>  | particulate matter less than 10 microns in diameter                            |
| PM <sub>2.5</sub> | particulate matter less than 2.5 microns in diameter                           |
| project           | Sycamore Hills Distribution Project                                            |
| ROG               | reactive organic gases                                                         |
| SCAQMD            | South Coast Air Quality Management District                                    |
| SIP               | State Implementation Plan                                                      |
| SO <sub>2</sub>   | sulfur dioxide                                                                 |
| SO <sub>x</sub>   | 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<sub>3</sub>) and particulate matter less than 2.5 microns (PM<sub>2.5</sub>), and a state non-attainment area for ozone, particulate matter less than 10 microns (PM<sub>10</sub>), and PM<sub>2.5</sub>.

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.

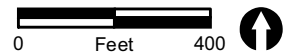
Parcels A and Parcel B consist of existing Restricted Property of natural land, with a supporting jurisdictional feature, totaling approximately 11.6 acres. A 0.67-acre driveway would be constructed through the Restricted Property to provide street access from Alessandro Boulevard to Parcel 1, which 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 Boundary

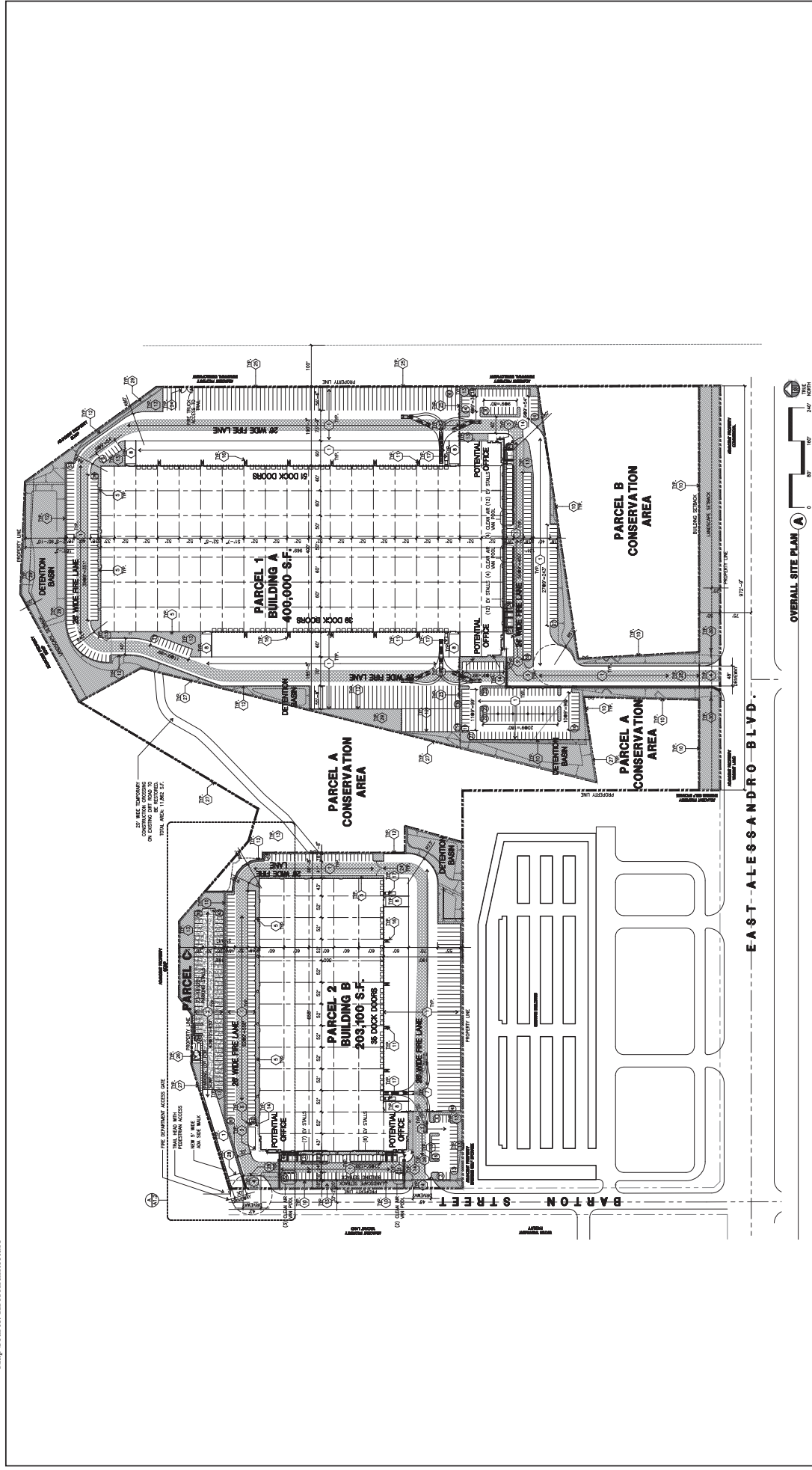


FIGURE 3  
Site Plan

## **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<sub>2</sub>), nitrogen dioxide (NO<sub>2</sub>), lead (Pb), and respirable particulate matter (PM<sub>10</sub> and PM<sub>2.5</sub>). 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<sub>2.5</sub> standards.



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

See footnotes on next page.

**Table 1**  
**Ambient Air Quality Standards**

ppm = parts per million; ppb = parts per billion;  $\mu\text{g}/\text{m}^3$  = micrograms per cubic meter; – = not applicable.

- <sup>1</sup> California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, particulate matter ( $\text{PM}_{10}$ ,  $\text{PM}_{2.5}$ , 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.
- <sup>2</sup> 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  $\text{PM}_{10}$ , the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above  $150 \mu\text{g}/\text{m}^3$  is equal to or less than one. For  $\text{PM}_{2.5}$ , 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.
- <sup>3</sup> Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of  $25^\circ\text{C}$  and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of  $25^\circ\text{C}$  and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
- <sup>4</sup> 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.
- <sup>5</sup> National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
- <sup>6</sup> National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
- <sup>7</sup> 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.
- <sup>8</sup> On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
- <sup>9</sup> On December 14, 2012, the national annual  $\text{PM}_{2.5}$  primary standard was lowered from  $15 \mu\text{g}/\text{m}^3$  to  $12.0 \mu\text{g}/\text{m}^3$ . The existing national 24-hour  $\text{PM}_{2.5}$  standards (primary and secondary) were retained at  $35 \mu\text{g}/\text{m}^3$ , as was the annual secondary standards of  $15 \mu\text{g}/\text{m}^3$ . The existing 24-hour  $\text{PM}_{10}$  standards (primary and secondary) of  $150 \mu\text{g}/\text{m}^3$  also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
- <sup>10</sup> 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.
- <sup>11</sup> On June 2, 2010, a new 1-hour  $\text{SO}_2$  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  $\text{SO}_2$  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.
- <sup>12</sup> 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.
- <sup>13</sup> The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard ( $1.5 \mu\text{g}/\text{m}^3$  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.
- <sup>14</sup> 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<sub>10</sub>, and PM<sub>2.5</sub> 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<sub>10</sub>, and PM<sub>2.5</sub>, 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 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<sub>2.5</sub> standards. The South Coast Air Basin is designated as in nonattainment for state air quality standards for 8-hour ozone and PM<sub>2.5</sub>, and additionally is in nonattainment of state PM<sub>10</sub> 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<sub>2</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>. 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<sub>x</sub> 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<br>Summary of Air Quality Measurements Recorded at Rubidoux – Mission Boulevard<br>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 <sub>2</sub>                                                                                               |       |       |       |       |       |

| <b>Table 2</b><br><b>Summary of Air Quality Measurements Recorded at Rubidoux – Mission Boulevard</b><br><b>Monitoring Station</b>                                                                                                                                                                                                                                                                                                                |        |        |        |        |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|-------|
| Pollutant/Standard                                                                                                                                                                                                                                                                                                                                                                                                                                | 2014   | 2015   | 2016   | 2017   | 2018  |
| 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 |
| <b>CO</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |        |        |        |       |
| 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    |
| <b>PM<sub>10</sub>*</b>                                                                                                                                                                                                                                                                                                                                                                                                                           |        |        |        |        |       |
| State Max. Daily (µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                                                             | 122.7  | 107.4  | 170.5  | 137.6  | 126.0 |
| Measured Days State 24-hour Standard Exceeded (50 µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                             | 119    | 87     | 60     | 98     | 127   |
| Calculated Days State 24-hour Standard Exceeded (50 µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                           | 124.7  | 92.2   | Na     | 102.5  | 133.6 |
| State Annual Average (µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                                                         | 44.8   | 40.0   | Na     | 41.3   | 43.9  |
| Federal Max. Daily (µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                                                           | 100.0  | 69.0   | 84.0   | 92.0   | 86.5  |
| Measured Days Federal 24-hour Standard Exceeded (150 µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                          | 0      | 0      | 0      | 0      | 0     |
| Calculated Days Federal 24-hour Standard Exceeded (150 µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                        | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   |
| Federal Annual Average (µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                                                       | 36.3   | 32.2   | 38.1   | 39.0   | 35.4  |
| <b>PM<sub>2.5</sub>*</b>                                                                                                                                                                                                                                                                                                                                                                                                                          |        |        |        |        |       |
| State Max. Daily (µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                                                             | 50.6   | 61.1   | 60.8   | 50.3   | 68.3  |
| State Annual Average (µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                                                         | 16.8   | 15.3   | 12.6   | 14.5   | 12.6  |
| Federal Max. Daily (µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                                                           | 48.9   | 54.7   | 51.5   | 50.3   | 66.3  |
| Federal Annual Average (µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                                                       | Na     | 11.8   | 12.5   | 12.2   | 12.5  |
| Measured Days Federal 24-hour Standard Exceeded (35 µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                           | 5      | 9      | 5      | 7      | 3     |
| Calculated Days Federal 24-hour Standard Exceeded (35 µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                         | Na     | 10.3   | 5.1    | 7.2    | 3.1   |
| SOURCE: CARB 2020, SCAQMD 2018.<br>ppm = parts per million; µg/m <sup>3</sup> = micrograms per cubic meter; Na = Not available.<br>* 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<sub>2</sub> 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<sub>2</sub>. Because NO<sub>2</sub> 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<sub>2</sub> is also a product of diesel engine combustion. The health effects of SO<sub>2</sub> include lung disease and breathing problems for people with asthma. SO<sub>2</sub> 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<sub>10</sub>) or particulate matter with an aerodynamic diameter of 2.5 microns or less (PM<sub>2.5</sub>).

PM<sub>10</sub>, 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<sub>10</sub> are often found near roadways, construction, mining, or agricultural operations.

PM<sub>2.5</sub>, occasionally referred to as “inhalable fine particles,” has an aerodynamic diameter of about one-thirtieth of the diameter of a human hair. PM<sub>2.5</sub> is the main cause of haze in many parts of the United States. Federal standards applicable to PM<sub>2.5</sub> 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 1973, which called for a gradual phase down of lead to one tenth of a gram per gallon by 1986. 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 1995, 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<sub>2.5</sub>, as well as a maintenance area for CO and PM<sub>10</sub>. Therefore, the General Conformity Rule is applicable to the project emissions of CO and ozone precursors (reactive organic gases [ROG] and NO<sub>x</sub>). The General Conformity *de minimis* levels applicable to the South Coast Air Basin are shown in Table 3.

| Table 3<br>General Conformity De Minimis Limits                                       |                          |                       |
|---------------------------------------------------------------------------------------|--------------------------|-----------------------|
| Pollutant                                                                             | Designation Category     | Emissions (Tons/Year) |
| Ozone Precursors (VOC or NO <sub>x</sub> )                                            | Non-attainment (Extreme) | 10                    |
| Carbon Monoxide (CO)                                                                  | Attainment (Maintenance) | 100                   |
| Particulate Matter (PM <sub>10</sub> )                                                | Attainment (Maintenance) | 100                   |
| Particulate Matter (PM <sub>2.5</sub> )                                               | Non-attainment (Serious) | 70                    |
| SOURCES: 40 CFR 93.53(b)(1) and 40 CFR 93.53(b)(2)<br>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.

| <b>Table 4</b>                                                            |                    |             |
|---------------------------------------------------------------------------|--------------------|-------------|
| <b>SCAQMD Air Quality Significance Thresholds – Mass Daily Thresholds</b> |                    |             |
| Pollutant                                                                 | Emissions (pounds) |             |
|                                                                           | Construction       | Operational |
| Oxides of Nitrogen (NO <sub>x</sub> )                                     | 100                | 55          |
| Volatile Organic Compounds (VOC)                                          | 75                 | 55          |
| Coarse Particulate Matter (PM <sub>10</sub> )                             | 150                | 150         |
| Fine Particulate Matter (PM <sub>2.5</sub> )                              | 55                 | 55          |
| Oxides of Sulfur (SO <sub>x</sub> )                                       | 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<sub>2</sub>, CO, PM<sub>10</sub>, and PM<sub>2.5</sub>. 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<sub>2</sub>, 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<sub>10</sub> and PM<sub>2.5</sub>, 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 basic 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<sub>x</sub>, CO, SO<sub>2</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, 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 ~~61-55~~ percent reduction in fugitive dust from watering twice per day.

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. The construction schedule is based on a reasonable approximation and information provided by the project applicant. Based on project-specific information provided by the project applicant, 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, 40,000 cubic yards of soil quantities would be balanced on-site between the two building areas with no net import or export. Soil hauling between Parcel 1 and Parcel 2 could be done with the modeled grading equipment, which includes graders and scrapers capable of moving large quantities of soil. However, to be conservative and account for the usage of trucks to haul soil from one parcel to the other, 40,000 cubic yards of soil hauling has been added to the grading phase with a trip length of one mile.

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.

| <b>Table 5<br/>Construction Phases and Equipment</b>                                                                            |                 |                                     |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------|
| <b>Equipment</b>                                                                                                                | <b>Quantity</b> | <b>Daily Operation Time (Hours)</b> |
| <b>Site Preparation (18 days)</b>                                                                                               |                 |                                     |
| Rubber Tired Dozers                                                                                                             | 3               | 8                                   |
| Tractors/Loaders/Backhoes                                                                                                       | 4               | 8                                   |
| <b>Grading (47 days)</b>                                                                                                        |                 |                                     |
| Excavators                                                                                                                      | 2               | 8                                   |
| Graders                                                                                                                         | 1               | 8                                   |
| Rubber Tired Dozers                                                                                                             | 1               | 8                                   |
| Scrapers                                                                                                                        | 2               | 8                                   |
| Tractors/Loaders/Backhoes                                                                                                       | 2               | 8                                   |
| <b>Building Construction (243 days)</b>                                                                                         |                 |                                     |
| Cranes                                                                                                                          | 1               | 7                                   |
| Forklifts                                                                                                                       | 3               | 8                                   |
| Generator Sets                                                                                                                  | 1               | 8                                   |
| Tractors/Loaders/Backhoes                                                                                                       | 3               | 7                                   |
| Welders                                                                                                                         | 1               | 8                                   |
| <b>Architectural Coatings (111 days)</b>                                                                                        |                 |                                     |
| Air Compressor                                                                                                                  | 1               | 6                                   |
| <b>Paving (18 days)</b>                                                                                                         |                 |                                     |
| 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. |                 |                                     |

| <b>Table 6</b><br><b>Total Annual Construction Emissions</b><br><b>Comparison to General Conformity De Minimis Levels</b> |                           |                         |                         |                         |                         |                         |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Construction                                                                                                              | Emissions (tons per year) |                         |                         |                         |                         |                         |
|                                                                                                                           | ROG                       | NO <sub>x</sub>         | CO                      | SO <sub>2</sub>         | PM <sub>10</sub>        | PM <sub>2.5</sub>       |
| Year 2021 Emission (tons/year)                                                                                            | <del>0.35</del><br>0.49   | <del>3.29</del><br>4.59 | <del>2.78</del><br>3.97 | 0.01                    | <del>0.51</del><br>0.88 | <del>0.25</del><br>0.36 |
| Year 2022 Emissions (tons/year)                                                                                           | <del>1.77</del><br>3.27   | <del>1.61</del><br>2.44 | <del>1.95</del><br>2.84 | 0.01                    | <del>0.33</del><br>0.62 | <del>0.13</del><br>0.21 |
| <b>Total Emissions (tons)</b>                                                                                             | <del>2.12</del><br>3.76   | <del>4.91</del><br>7.02 | <del>4.73</del><br>6.78 | <del>0.01</del><br>0.02 | <del>0.83</del><br>1.49 | <del>0.38</del><br>0.57 |
| <b>Maximum Annual Emissions (tons/year)</b>                                                                               | <del>1.77</del><br>3.27   | <del>3.29</del><br>4.59 | <del>2.78</del><br>3.94 | 0.01                    | <del>0.51</del><br>0.88 | <del>0.25</del><br>0.36 |
| <i>De Minimis Levels</i>                                                                                                  | 10                        | 10                      | 100                     | --                      | 100                     | 70                      |

| <b>Table 7</b><br><b>Maximum Daily Construction Emissions</b><br><b>Comparison to SCAQMD Significance Thresholds</b>                                                                                                                                                                                                          |                            |                  |                  |                 |                  |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------|------------------|-----------------|------------------|-------------------|
| Construction                                                                                                                                                                                                                                                                                                                  | Emissions (pounds per day) |                  |                  |                 |                  |                   |
|                                                                                                                                                                                                                                                                                                                               | ROG                        | NO <sub>x</sub>  | CO               | SO <sub>2</sub> | PM <sub>10</sub> | PM <sub>2.5</sub> |
| Site Preparation                                                                                                                                                                                                                                                                                                              | 4                          | 41               | 22               | <1              | <del>9</del> 10  | 6                 |
| Grading                                                                                                                                                                                                                                                                                                                       | <del>4</del> 5             | <del>46</del> 57 | <del>32</del> 33 | <1              | 6                | <del>3</del> 4    |
| Building Construction/<br>Architectural Coatings <sup>1</sup>                                                                                                                                                                                                                                                                 | <del>32</del> 59           | <del>29</del> 45 | <del>34</del> 51 | <1              | <del>6</del> 11  | <del>2</del> 4    |
| Paving/<br>Architectural Coatings <sup>1</sup>                                                                                                                                                                                                                                                                                | <del>32</del> 58           | 4613             | <del>34</del> 21 | <1              | 2                | 1                 |
| <b>Maximum Daily Emissions<sup>2</sup></b>                                                                                                                                                                                                                                                                                    | <del>32</del> 59           | <del>46</del> 57 | <del>34</del> 51 | <1              | <del>9</del> 11  | <del>6</del> 6    |
| <i>SCAQMD Regional Threshold</i>                                                                                                                                                                                                                                                                                              | 75                         | 100              | 550              | 150             | 150              | 55                |
| <sup>1</sup> The architectural coatings phase of construction was modeled simultaneously with building construction and parking lot paving emissions.<br><sup>2</sup> 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.

| <b>Table 8</b>                                 |                                                          |                                |
|------------------------------------------------|----------------------------------------------------------|--------------------------------|
| <b>Project Trip Generation and Trip Length</b> |                                                          |                                |
| <b>Vehicle Type</b>                            | <b>Daily Trip Generation<br/>(Average Daily Traffic)</b> | <b>Trip Length<br/>(miles)</b> |
| Passenger Cars                                 | 573                                                      | 24.2                           |
| Trucks                                         | 274                                                      | 38.7                           |
| 2 axle                                         | 46                                                       | 38.7                           |
| 3 axle                                         | 57                                                       | 38.7                           |
| 4+-axle                                        | 171                                                      | 38.7                           |
| <b>Total</b>                                   | <b>847</b>                                               | <b>--</b>                      |
| SOURCE: Urban Crossroads 2019 and 2020         |                                                          |                                |

Mobile source operational emissions are also based on the project's vehicle mix. Based on the traffic report prepared for the project, the project would generate 573 passenger car trips and 274 truck trips, of which 46 would be 2-axle trucks, 57 would be 3-axle trucks, and 171 would be 4-axle+ trucks (Urban Crossroads 2019). The CalEEMod non-heavy truck vehicle fleet mix includes the following categories: passenger cars (LDA), light-duty trucks (LDT1 and LDT2), medium-duty trucks (MDV), and motorcycles (MCY). The 573 passenger car trips were modeled by proportionally altering these values based on the CalEEMod default values. Note that CalEEMod also includes other non-truck vehicles such as buses and motor homes; however, these vehicle classifications would not be associated with the project. For the truck mix, CalEEMod includes four truck categories: light-heavy-duty trucks (LHD1 and LHD2), medium-heavy-duty trucks (MHD), and heavy-heavy-duty trucks (HHD). The 2-axle trucks were modeled as LHD1, the 3-axle trucks were modeled as LHD2, and the 4-axle+ trucks were divided proportionally and modeled as MHD and HHD.

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 and parking lot/asphalt surface area, architectural coating emission factors, and a reapplication rate of 10 percent of area per year. Note that for a worst-case architectural coating analysis, the Parcel C trailhead parking lot was modeled as a paved and striped parking lot to account for emissions from striping paint and pavement sealant. The Parcel C parking lot would be partially concrete and partially decomposed granite that would be properly stabilized to reduce dust. To account for possible dust emissions that could result from vehicles parking at the trailhead parking lot, this analysis used U.S. EPA AP-42 emission factors and methodology (U.S. EPA 1998) to calculate PM<sub>10</sub> and PM<sub>2.5</sub> emissions for a gravel parking lot which generates more dust than a stabilized decomposed granite parking lot. Emissions were calculated assuming each parking space would be used and each vehicle would travel the entire length of the parking lot when entering and leaving. Calculations are provided in Attachment 1.

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<br>Summary of Project Operational Emissions<br>(pounds per day)                                                                                       |           |                            |                            |                 |                            |                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------|----------------------------|-----------------|----------------------------|--------------------------|
| Source                                                                                                                                                        | Emissions |                            |                            |                 |                            |                          |
|                                                                                                                                                               | ROG       | NO <sub>x</sub>            | CO                         | SO <sub>2</sub> | PM <sub>10</sub>           | PM <sub>2.5</sub>        |
| WINTER                                                                                                                                                        |           |                            |                            |                 |                            |                          |
| Area Sources                                                                                                                                                  | 14        | <1                         | <1                         | <1              | <1                         | <1                       |
| Energy Sources                                                                                                                                                | <1        | <1                         | <1                         | <1              | <1                         | <1                       |
| Mobile Sources – Passenger Cars                                                                                                                               | 1         | <del>1</del><br>2          | <del>17</del><br>24        | <1              | 10                         | 3                        |
| Mobile Sources – Trucks                                                                                                                                       | 2         | 37                         | 17                         | <1              | 10                         | 3                        |
| Parcel C Parking Lot Dust                                                                                                                                     | --        | --                         | --                         | --              | 9                          | 1                        |
| <b>Total</b>                                                                                                                                                  | <b>17</b> | <del>38</del><br><b>39</b> | <del>34</del><br><b>41</b> | <b>&lt;1</b>    | <del>19</del><br><b>28</b> | <del>6</del><br><b>7</b> |
| <i>Significance Threshold</i>                                                                                                                                 | 55        | 55                         | 550                        | 150             | 150                        | 55                       |
| <i>Exceed Threshold?</i>                                                                                                                                      | 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         | <del>12</del><br>7         | <del>192</del><br>7        | <1              | 10                         | 3                        |
| Mobile Sources – Trucks                                                                                                                                       | 2         | 36                         | 16                         | <1              | 10                         | 3                        |
| Parcel C Parking Lot Dust                                                                                                                                     | --        | --                         | --                         | --              | 9                          | 1                        |
| <b>Total</b>                                                                                                                                                  | <b>17</b> | <del>37</del><br><b>38</b> | <del>36</del><br><b>44</b> | <b>&lt;1</b>    | <del>19</del><br><b>28</b> | <del>6</del><br><b>7</b> |
| <i>Significance Threshold</i>                                                                                                                                 | 55        | 55                         | 550                        | 150             | 150                        | 55                       |
| <i>Exceed Threshold?</i>                                                                                                                                      | 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<sub>2</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>. 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 mobile sources are not evaluated against LSTs.

The maximum on-site daily emissions for CO, NO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> 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<br>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<br>Localized Construction Emissions (pounds per day) |                 |                 |                  |                   |
|---------------------------------------------------------------|-----------------|-----------------|------------------|-------------------|
|                                                               | CO              | NO <sub>x</sub> | PM <sub>10</sub> | PM <sub>2.5</sub> |
| Maximum Daily On-site Emission                                | <del>3331</del> | <del>3946</del> | <del>910</del>   | <del>56</del>     |
| 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<sub>2</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> 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<sub>2</sub>, 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<sub>2.5</sub> and PM<sub>10</sub> impacts are treated differently than CO and NO<sub>2</sub>, since nearly the entire district exceeds the state or federal PM<sub>2.5</sub> and PM<sub>10</sub> standards. PM<sub>2.5</sub> and PM<sub>10</sub> impacts from operational activities are derived based on the allowable change in concentration thresholds. Because the entire district is nonattainment for PM<sub>2.5</sub> and PM<sub>10</sub>, 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<sub>2</sub> standard of 0.18 ppm;
- California State Annual NO<sub>2</sub> standard of 0.03 ppm;
- SCAQMD 24-hour operational PM<sub>10</sub> LST of 2.5 µg/m<sup>3</sup>;
- SCAQMD Annual operational PM<sub>10</sub> LST of 1.0 µg/m<sup>3</sup>; and
- SCAQMD 24-hour operational PM<sub>2.5</sub> LST of 2.5 µg/m<sup>3</sup>.

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

| Table 12<br>Localized Operational Emissions                                                   |                |              |                          |              |                                          |              |                                           |
|-----------------------------------------------------------------------------------------------|----------------|--------------|--------------------------|--------------|------------------------------------------|--------------|-------------------------------------------|
|                                                                                               | CO<br>(ppm)    |              | NO <sub>x</sub><br>(ppm) |              | PM <sub>10</sub><br>(µg/m <sup>3</sup> ) |              | PM <sub>2.5</sub><br>(µg/m <sup>3</sup> ) |
|                                                                                               | 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 <sup>1</sup>                                                         | 2.50           | 1.90         | 0.073                    | 0.015        | --                                       | --           | --                                        |
| <b>Total Concentration</b>                                                                    | <b>2.566</b>   | <b>1.944</b> | <b>0.106</b>             | <b>0.021</b> | <b>0.044</b>                             | <b>0.022</b> | <b>0.043</b>                              |
| <i>LST Threshold</i>                                                                          | <i>20</i>      | <i>9</i>     | <i>0.18</i>              | <i>0.03</i>  | <i>2.5</i>                               | <i>1</i>     | <i>2.5</i>                                |
| Threshold Exceeded?                                                                           | No             | No           | No                       | No           | No                                       | No           | No                                        |
| <sup>1</sup> Highest concentration from the last three years of available data (see Table 2). |                |              |                          |              |                                          |              |                                           |

<sup>1</sup>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<sub>2.5</sub> standards. The South Coast Air Basin is also designated as in nonattainment for state air quality standards for 8-hour ozone and PM<sub>2.5</sub>, and additionally is in nonattainment of state PM<sub>10</sub> standards. The regional air quality plan, the 2016 AQMP, outlines measures to reduce emissions of ozone and PM<sub>2.5</sub>. Whereas reducing PM concentrations is achieved by reducing emissions of PM<sub>2.5</sub> to the atmosphere, reducing ozone concentrations is achieved by reducing the precursors of photochemical formation of ozone, VOC, and NO<sub>x</sub>.

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<sub>10</sub>, and PM<sub>2.5</sub>. The Basin is designated as a nonattainment area for federal AAQS for the 8-hour ozone and PM<sub>2.5</sub> standards, and is in nonattainment area under state PM<sub>10</sub> standards. Ozone is not emitted directly, but is a result of atmospheric activity on precursors. NO<sub>x</sub> 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<sub>x</sub>), PM<sub>10</sub>, and PM<sub>2.5</sub> 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<sub>10</sub>, or PM<sub>2.5</sub>, 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

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## **ATTACHMENTS**

# **ATTACHMENT 1**

## **CalEEMod Output**



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

**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/MW/hr) | 789.98 | CH4 Intensity (lb/MW/hr) | 0.033 | N2O Intensity (lb/MW/hr) | 0.004 |
|--------------------------|--------|--------------------------|-------|--------------------------|-------|

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

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

## Project Characteristics - Current 2021 Riverside Public Utilities intensity factors

Land Use - 37 acre site

603,100 sf

Construction Phase - Grading/Primary Road Construction - 3 months

Building Permit/Building Construction - 12 months

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - Soil would be balanced between Parcel 1 and 2

Grading -

Architectural Coating -

Vehicle Trips - 847 ADT

Passenger cars - 573 (0.95 trips/kfsf)

24.2 mile trip length

Area Coating -

Energy Use -

Water And Wastewater -

Construction Off-road Equipment Mitigation -

Waste Mitigation -

Fleet Mix - Employee cars (light and medium duty) only

| Table Name           | Column Name | Default Value | New Value |
|----------------------|-------------|---------------|-----------|
| tblConstructionPhase | NumDays     | 30.00         | 18.00     |
| tblConstructionPhase | NumDays     | 75.00         | 47.00     |
| tblConstructionPhase | NumDays     | 740.00        | 243.00    |
| tblConstructionPhase | NumDays     | 55.00         | 111.00    |
| tblConstructionPhase | NumDays     | 55.00         | 18.00     |
| tblFleetMix          | HHD         | 0.03          | 0.00      |
| tblFleetMix          | LDA         | 0.55          | 0.60      |

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|                           |                    |             |             |
|---------------------------|--------------------|-------------|-------------|
| tblFleetMix               | LDT1               | 0.04        | 0.05        |
| tblFleetMix               | LDT2               | 0.20        | 0.22        |
| tblFleetMix               | LHD1               | 0.02        | 0.00        |
| tblFleetMix               | LHD2               | 5.8470e-003 | 0.00        |
| tblFleetMix               | MCY                | 4.8220e-003 | 5.1750e-003 |
| tblFleetMix               | MDV                | 0.12        | 0.13        |
| 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        |
| tblGrading                | MaterialExported   | 0.00        | 40,000.00   |
| tblLandUse                | LotAcreage         | 13.85       | 16.00       |
| tblProjectCharacteristics | CH4IntensityFactor | 0.029       | 0.033       |
| tblProjectCharacteristics | CO2IntensityFactor | 1325.65     | 789.98      |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006       | 0.004       |
| tblTripsAndVMT            | HaulingTripLength  | 20.00       | 1.00        |
| 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        |

## 2.0 Emissions Summary

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

**2.1 Overall Construction****Unmitigated Construction**

| Year    | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2              | Total CO2              | CH4    | N2O    | CO2e                   |
|---------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------------------|------------------------|--------|--------|------------------------|
| tons/yr |        |        |        |             |               |              |            |                |               |             | MT/yr    |                        |                        |        |        |                        |
| 2021    | 0.4886 | 4.5855 | 3.9430 | 0.0125      | 0.9434        | 0.1353       | 1.0787     | 0.3293         | 0.1259        | 0.4552      | 0.0000   | 1,151.059 <sub>7</sub> | 1,151.059 <sub>7</sub> | 0.1293 | 0.0000 | 1,154.291 <sub>3</sub> |
| 2022    | 3.2698 | 2.4393 | 2.8361 | 9.6400e-003 | 0.5550        | 0.0604       | 0.6154     | 0.1494         | 0.0569        | 0.2063      | 0.0000   | 886.7648               | 886.7648               | 0.0684 | 0.0000 | 888.4738               |
| Maximum | 3.2698 | 4.5855 | 3.9430 | 0.0125      | 0.9434        | 0.1353       | 1.0787     | 0.3293         | 0.1259        | 0.4552      | 0.0000   | 1,151.059 <sub>7</sub> | 1,151.059 <sub>7</sub> | 0.1293 | 0.0000 | 1,154.291 <sub>3</sub> |

**Mitigated Construction**

| Year    | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2              | Total CO2              | CH4    | N2O    | CO2e                   |
|---------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------------------|------------------------|--------|--------|------------------------|
| tons/yr |        |        |        |             |               |              |            |                |               |             | MT/yr    |                        |                        |        |        |                        |
| 2021    | 0.4886 | 4.5855 | 3.9430 | 0.0125      | 0.7406        | 0.1353       | 0.8759     | 0.2334         | 0.1259        | 0.3593      | 0.0000   | 1,151.059 <sub>4</sub> | 1,151.059 <sub>4</sub> | 0.1293 | 0.0000 | 1,154.290 <sub>9</sub> |
| 2022    | 3.2698 | 2.4393 | 2.8361 | 9.6400e-003 | 0.5550        | 0.0604       | 0.6154     | 0.1494         | 0.0569        | 0.2063      | 0.0000   | 886.7646               | 886.7646               | 0.0684 | 0.0000 | 888.4736               |
| Maximum | 3.2698 | 4.5855 | 3.9430 | 0.0125      | 0.7406        | 0.1353       | 0.8759     | 0.2334         | 0.1259        | 0.3593      | 0.0000   | 1,151.059 <sub>4</sub> | 1,151.059 <sub>4</sub> | 0.1293 | 0.0000 | 1,154.290 <sub>9</sub> |

| Year              | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 13.53         | 0.00         | 11.97      | 20.02          | 0.00          | 14.49       | 0.00     | 0.00      | 0.00      | 0.00 | 0.00 | 0.00 |

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| Quarter | Start Date | End Date   | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|------------|----------------------------------------------|--------------------------------------------|
| 1       | 4-1-2021   | 6-30-2021  | 1.8445                                       | 1.8445                                     |
| 2       | 7-1-2021   | 9-30-2021  | 1.5867                                       | 1.5867                                     |
| 3       | 10-1-2021  | 12-31-2021 | 1.6006                                       | 1.6006                                     |
| 4       | 1-1-2022   | 3-31-2022  | 2.7104                                       | 2.7104                                     |
| 5       | 4-1-2022   | 6-30-2022  | 2.9920                                       | 2.9920                                     |
|         |            | Highest    | 2.9920                                       | 2.9920                                     |

**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          | 602.6636          | 602.6636          | 0.0237         | 3.9200e-003   | 604.4238          |
| Mobile       | 0.2256        | 0.3844        | 4.5506        | 0.0162        | 1.7541        | 0.0111        | 1.7652        | 0.4655         | 0.0102        | 0.4758        | 0.0000          | 1.4654128         | 1.4654128         | 0.0416         | 0.0000        | 1.4664521         |
| 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        | 44.2464         | 650.7246          | 694.9710          | 4.5717         | 0.1106        | 842.2230          |
| <b>Total</b> | <b>2.7636</b> | <b>0.4445</b> | <b>4.6089</b> | <b>0.0166</b> | <b>1.7541</b> | <b>0.0157</b> | <b>1.7698</b> | <b>0.4655</b>  | <b>0.0148</b> | <b>0.4804</b> | <b>159.3240</b> | <b>2,718.8165</b> | <b>2,878.1406</b> | <b>11.4379</b> | <b>0.1145</b> | <b>3,198.2153</b> |

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**2.2 Overall Operational****Mitigated Operational**

| Category     | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2        | NBio- CO2                    | Total CO2                    | CH4            | N2O           | CO2e                         |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|------------------------------|------------------------------|----------------|---------------|------------------------------|
|              | 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          | 602.6636                     | 602.6636                     | 0.0237         | 3.9200e-003   | 604.4238                     |
| Mobile       | 0.2256        | 0.3844        | 4.5506        | 0.0162        | 1.7541        | 0.0111        | 1.7652        | 0.4655         | 0.0102        | 0.4758        | 0.0000          | 1.465.412 <sub>8</sub>       | 1.465.412 <sub>8</sub>       | 0.0416         | 0.0000        | 1.466.452 <sub>1</sub>       |
| 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        | 44.2464         | 650.7246                     | 694.9710                     | 4.5717         | 0.1106        | 842.2230                     |
| <b>Total</b> | <b>2.7636</b> | <b>0.4445</b> | <b>4.6089</b> | <b>0.0166</b> | <b>1.7541</b> | <b>0.0157</b> | <b>1.7698</b> | <b>0.4655</b>  | <b>0.0148</b> | <b>0.4804</b> | <b>159.3240</b> | <b>2,718.816<sub>5</sub></b> | <b>2,878.140<sub>6</sub></b> | <b>11.4379</b> | <b>0.1145</b> | <b>3,198.215<sub>3</sub></b> |

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00        | 0.00     | 0.00      | 0.00      | 0.00 | 0.00 | 0.00 |

**3.0 Construction Detail****Construction Phase**

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| 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            | Architectural Coatings | Architectural Coating | 1/27/2022  | 6/30/2022 | 5             | 111      |                   |
| 5            | Paving                 | Paving                | 6/7/2022   | 6/30/2022 | 5             | 18       |                   |

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

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

Trips and VMT

| Phase Name             | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation       | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading                | 8                       | 20.00              | 0.00               | 5,000.00            | 14.70              | 6.90               | 1.00                | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction  | 9                       | 638.00             | 249.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                 | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coatings | 1                       | 128.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |



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**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        | 0.0169        | 0.0000        | 30.0922        | 30.0922        | 9.7300e-003        | 0.0000        | 30.3355        |
| <b>Total</b>  | <b>0.0350</b> | <b>0.3645</b> | <b>0.1904</b> | <b>3.4000e-004</b> | <b>0.1626</b> | <b>0.0184</b> | <b>0.1810</b> | <b>0.0894</b>  | <b>0.0169</b> | <b>0.1063</b> | <b>0.0000</b> | <b>30.0922</b> | <b>30.0922</b> | <b>9.7300e-003</b> | <b>0.0000</b> | <b>30.3355</b> |

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**3.2 Site Preparation - 2021****Unmitigated Construction Off-Site**

| Category     | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
|              | 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        |
| <b>Total</b> | <b>6.7000e-004</b> | <b>5.0000e-004</b> | <b>5.6500e-003</b> | <b>2.0000e-005</b> | <b>1.7800e-003</b> | <b>1.0000e-005</b> | <b>1.7900e-003</b> | <b>4.7000e-004</b> | <b>1.0000e-005</b> | <b>4.8000e-004</b> | <b>0.0000</b> | <b>1.5498</b> | <b>1.5498</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.5508</b> |

**Mitigated Construction On-Site**

| Category      | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
|               | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 0.0732        | 0.0000        | 0.0732        | 0.0402         | 0.0000        | 0.0402        | 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        |
| <b>Total</b>  | <b>0.0350</b> | <b>0.3645</b> | <b>0.1904</b> | <b>3.4000e-004</b> | <b>0.0732</b> | <b>0.0184</b> | <b>0.0916</b> | <b>0.0402</b>  | <b>0.0169</b> | <b>0.0572</b> | <b>0.0000</b> | <b>30.0921</b> | <b>30.0921</b> | <b>9.7300e-003</b> | <b>0.0000</b> | <b>30.3354</b> |

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**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 |         |        |        |             | 0.2061        | 0.0000       | 0.2061     | 0.0849         | 0.0000        | 0.0849      | 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 | 0.2061        | 0.0467       | 0.2528     | 0.0849         | 0.0429        | 0.1278      | 0.0000   | 128.0632  | 128.0632  | 0.0414 | 0.0000 | 129.0987 |

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**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  | 4.8200e-003 | 0.2497      | 0.0374 | 3.3000e-004 | 2.2000e-003   | 2.0000e-004  | 2.3900e-003 | 6.1000e-004    | 1.9000e-004   | 8.0000e-004 | 0.0000   | 32.1224   | 32.1224   | 4.5000e-003 | 0.0000 | 32.2350 |
| 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    | 6.7700e-003 | 0.2512      | 0.0538 | 3.8000e-004 | 7.3600e-003   | 2.4000e-004  | 7.5900e-003 | 1.9800e-003    | 2.3000e-004   | 2.2100e-003 | 0.0000   | 36.6186   | 36.6186   | 4.6200e-003 | 0.0000 | 36.7343 |

**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 |         |        |        |             | 0.0927        | 0.0000       | 0.0927     | 0.0382         | 0.0000        | 0.0382      | 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 | 0.0927        | 0.0467       | 0.1394     | 0.0382         | 0.0429        | 0.0811      | 0.0000   | 128.0631  | 128.0631  | 0.0414 | 0.0000 | 129.0985 |

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**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  | 4.8200e-003 | 0.2497      | 0.0374 | 3.3000e-004 | 2.2000e-003   | 2.0000e-004  | 2.3900e-003 | 6.1000e-004    | 1.9000e-004   | 8.0000e-004 | 0.0000   | 32.1224   | 32.1224   | 4.5000e-003 | 0.0000 | 32.2350 |
| 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    | 6.7700e-003 | 0.2512      | 0.0538 | 3.8000e-004 | 7.3600e-003   | 2.4000e-004  | 7.5900e-003 | 1.9800e-003    | 2.3000e-004   | 2.2100e-003 | 0.0000   | 36.6186   | 36.6186   | 4.6200e-003 | 0.0000 | 36.7343 |

**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 |

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**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   | 0.0473  | 1.5985 | 0.4040 | 4.1100e-003 | 0.1036        | 3.2600e-003  | 0.1068     | 0.0299         | 3.1100e-003   | 0.0330      | 0.0000   | 399.0283  | 399.0283  | 0.0257 | 0.0000 | 399.6714 |
| Worker   | 0.1750  | 0.1299 | 1.4695 | 4.4600e-003 | 0.4620        | 3.4800e-003  | 0.4655     | 0.1227         | 3.2100e-003   | 0.1259      | 0.0000   | 402.8270  | 402.8270  | 0.0108 | 0.0000 | 403.0980 |
| Total    | 0.2223  | 1.7284 | 1.8735 | 8.5700e-003 | 0.5656        | 6.7400e-003  | 0.5723     | 0.1526         | 6.3200e-003   | 0.1589      | 0.0000   | 801.8554  | 801.8554  | 0.0366 | 0.0000 | 802.7694 |

**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 |

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**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   | 0.0473  | 1.5985 | 0.4040 | 4.1100e-003 | 0.1036        | 3.2600e-003  | 0.1068     | 0.0299         | 3.1100e-003   | 0.0330      | 0.0000   | 399.0283  | 399.0283  | 0.0257 | 0.0000 | 399.6714 |
| Worker   | 0.1750  | 0.1299 | 1.4695 | 4.4600e-003 | 0.4620        | 3.4800e-003  | 0.4655     | 0.1227         | 3.2100e-003   | 0.1259      | 0.0000   | 402.8270  | 402.8270  | 0.0108 | 0.0000 | 403.0980 |
| Total    | 0.2223  | 1.7284 | 1.8735 | 8.5700e-003 | 0.5656        | 6.7400e-003  | 0.5723     | 0.1526         | 6.3200e-003   | 0.1589      | 0.0000   | 801.8554  | 801.8554  | 0.0366 | 0.0000 | 802.7694 |

**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 |

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**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   | 0.0373  | 1.2755 | 0.3217 | 3.4200e-003 | 0.0871        | 2.3800e-003  | 0.0895     | 0.0251         | 2.2800e-003   | 0.0274      | 0.0000   | 332.5824  | 332.5824  | 0.0209      | 0.0000 | 333.1044 |
| Worker   | 0.1382  | 0.0987 | 1.1411 | 3.6100e-003 | 0.3885        | 2.8500e-003  | 0.3913     | 0.1032         | 2.6200e-003   | 0.1058      | 0.0000   | 326.6079  | 326.6079  | 8.2300e-003 | 0.0000 | 326.8138 |
| Total    | 0.1755  | 1.3741 | 1.4628 | 7.0300e-003 | 0.4756        | 5.2300e-003  | 0.4808     | 0.1283         | 4.9000e-003   | 0.1332      | 0.0000   | 659.1903  | 659.1903  | 0.0291      | 0.0000 | 659.9182 |

**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 |



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**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   | 0.0373  | 1.2755 | 0.3217 | 3.4200e-003 | 0.0871        | 2.3800e-003  | 0.0895     | 0.0251         | 2.2800e-003   | 0.0274      | 0.0000   | 332.5824  | 332.5824  | 0.0209      | 0.0000 | 333.1044 |
| Worker   | 0.1382  | 0.0987 | 1.1411 | 3.6100e-003 | 0.3885        | 2.8500e-003  | 0.3913     | 0.1032         | 2.6200e-003   | 0.1058      | 0.0000   | 326.6079  | 326.6079  | 8.2300e-003 | 0.0000 | 326.8138 |
| Total    | 0.1755  | 1.3741 | 1.4628 | 7.0300e-003 | 0.4756        | 5.2300e-003  | 0.4808     | 0.1283         | 4.9000e-003   | 0.1332      | 0.0000   | 659.1903  | 659.1903  | 0.0291      | 0.0000 | 659.9182 |

**3.5 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 | 2.9226  |        |        |             |               | 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           | 2.9339  | 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 |

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**3.5 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 | 2.9226  |        |        |             |               | 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           | 2.9339  | 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 |

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**3.5 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 |

**3.6 Paving - 2022****Unmitigated Construction On-Site**

|          | ROG         | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O    | CO2e    |
|----------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|---------|
| Category | tons/yr     |        |        |             |               |              |             |                |               |             | MT/yr    |           |           |             |        |         |
| Off-Road | 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 |

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**3.6 Paving - 2022****Unmitigated Construction Off-Site**

| Category | ROG         | NOx         | CO          | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O    | CO2e   |
|----------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|--------|
|          | 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**

| Category | ROG         | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O    | CO2e    |
|----------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|---------|
|          | 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 |

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**3.6 Paving - 2022****Mitigated Construction Off-Site**

|          | ROG         | NOx         | CO          | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O    | CO2e   |
|----------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|--------|
| Category | tons/yr     |             |             |             |               |              |             |                |               |             | MT/yr    |           |           |             |        |        |
| Hauling  | 0.0000      | 0.0000      | 0.0000      | 0.0000      | 0.0000        | 0.0000       | 0.0000      | 0.0000         | 0.0000        | 0.0000      | 0.0000   | 0.0000    | 0.0000    | 0.0000      | 0.0000 | 0.0000 |
| Vendor   | 0.0000      | 0.0000      | 0.0000      | 0.0000      | 0.0000        | 0.0000       | 0.0000      | 0.0000         | 0.0000        | 0.0000      | 0.0000   | 0.0000    | 0.0000    | 0.0000      | 0.0000 | 0.0000 |
| Worker   | 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 |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

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

|             | ROG     | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O    | CO2e       |
|-------------|---------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Category    | tons/yr |        |        |        |               |              |            |                |               |             | MT/yr    |            |            |        |        |            |
| Mitigated   | 0.2256  | 0.3844 | 4.5506 | 0.0162 | 1.7541        | 0.0111       | 1.7652     | 0.4655         | 0.0102        | 0.4758      | 0.0000   | 1,465.4128 | 1,465.4128 | 0.0416 | 0.0000 | 1,466.4521 |
| Unmitigated | 0.2256  | 0.3844 | 4.5506 | 0.0162 | 1.7541        | 0.0111       | 1.7652     | 0.4655         | 0.0102        | 0.4758      | 0.0000   | 1,465.4128 | 1,465.4128 | 0.0416 | 0.0000 | 1,466.4521 |

## 4.2 Trip Summary Information

| Land Use                         | Average Daily Trip Rate |          |        |            | Unmitigated |            | Mitigated  |            |
|----------------------------------|-------------------------|----------|--------|------------|-------------|------------|------------|------------|
|                                  | Weekday                 | Saturday | Sunday | Annual VMT | Annual VMT  | Annual VMT | 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   | 4,706,914  | 4,706,914  | 4,706,914  |
| Total                            | 572.95                  | 572.95   | 572.95 | 4,706,914  | 4,706,914   | 4,706,914  | 4,706,914  | 4,706,914  |

## 4.3 Trip Type Information

| Land Use                    | Miles      |            |             |            | Trip %     |             |         |          | Trip Purpose % |         |         |         |
|-----------------------------|------------|------------|-------------|------------|------------|-------------|---------|----------|----------------|---------|---------|---------|
|                             | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by        | Pass-by | Pass-by | Pass-by |
| Other Asphalt Surfaces      | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0       | 0        | 0              | 0       | 0       | 0       |
| Parking Lot                 | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0       | 0        | 0              | 0       | 0       | 0       |
| Unrefrigerated Warehouse-No | 24.20      | 24.20      | 24.20       | 59.00      | 0.00       | 41.00       | 92      | 5        | 3              | 3       | 3       | 3       |

## 4.4 Fleet Mix

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| 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 | 0.598766 | 0.047129 | 0.218324 | 0.130606 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.005175 | 0.000000 | 0.000000 |

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

| Category                | ROG         | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e     |
|-------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| tons/yr                 |             |        |        |             |               |              |             |                |               |             |          |           |           |             |             |          |
| MT/yr                   |             |        |        |             |               |              |             |                |               |             |          |           |           |             |             |          |
| Electricity Mitigated   |             |        |        |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 0.0000   | 537.3307  | 537.3307  | 0.0225      | 2.7200e-003 | 538.7026 |
| Electricity Unmitigated |             |        |        |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 0.0000   | 537.3307  | 537.3307  | 0.0225      | 2.7200e-003 | 538.7026 |
| NaturalGas Mitigated    | 6.6000e-003 | 0.0600 | 0.0504 | 3.6000e-004 | 4.5600e-003   | 4.5600e-003  | 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    | 4.5600e-003   | 4.5600e-003 | 0.0000   | 65.3329   | 65.3329   | 1.2500e-003 | 1.2000e-003 | 65.7212  |

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**5.2 Energy by Land Use - NaturalGas****Unmitigated**

| Land Use                         | NaturalGas Use<br>kBtu/yr | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------------|---------------------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| tons/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        |
| <b>Total</b>                     |                           | <b>6.6000e-003</b> | <b>0.0600</b> | <b>0.0504</b> | <b>3.6000e-004</b> |               | <b>4.5600e-003</b> | <b>4.5600e-003</b> |                | <b>4.5600e-003</b> | <b>4.5600e-003</b> | <b>0.0000</b> | <b>65.3329</b> | <b>65.3329</b> | <b>1.2500e-003</b> | <b>1.2000e-003</b> | <b>65.7212</b> |

**Mitigated**

| Land Use                         | NaturalGas Use<br>kBtu/yr | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------------|---------------------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| tons/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        |
| <b>Total</b>                     |                           | <b>6.6000e-003</b> | <b>0.0600</b> | <b>0.0504</b> | <b>3.6000e-004</b> |               | <b>4.5600e-003</b> | <b>4.5600e-003</b> |                | <b>4.5600e-003</b> | <b>4.5600e-003</b> | <b>0.0000</b> | <b>65.3329</b> | <b>65.3329</b> | <b>1.2500e-003</b> | <b>1.2000e-003</b> | <b>65.7212</b> |



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**5.3 Energy by Land Use - Electricity****Unmitigated**

|                                        | Electricity<br>Use | Total CO2       | CH4           | N2O                | CO2e            |
|----------------------------------------|--------------------|-----------------|---------------|--------------------|-----------------|
| Land Use                               | kWh/yr             | MT/yr           |               |                    |                 |
| Other Asphalt<br>Surfaces              | 0                  | 0.0000          | 0.0000        | 0.0000             | 0.0000          |
| Parking Lot                            | 76230              | 27.3154         | 1.1400e-003   | 1.4000e-004        | 27.3852         |
| Unrefrigerated<br>Warehouse-No<br>Rail | 1.42332e+006       | 510.0153        | 0.0213        | 2.5800e-003        | 511.3174        |
| <b>Total</b>                           |                    | <b>537.3307</b> | <b>0.0224</b> | <b>2.7200e-003</b> | <b>538.7026</b> |

**Mitigated**

|                                        | Electricity<br>Use | Total CO2       | CH4           | N2O                | CO2e            |
|----------------------------------------|--------------------|-----------------|---------------|--------------------|-----------------|
| Land Use                               | kWh/yr             | MT/yr           |               |                    |                 |
| Other Asphalt<br>Surfaces              | 0                  | 0.0000          | 0.0000        | 0.0000             | 0.0000          |
| Parking Lot                            | 76230              | 27.3154         | 1.1400e-003   | 1.4000e-004        | 27.3852         |
| Unrefrigerated<br>Warehouse-No<br>Rail | 1.42332e+006       | 510.0153        | 0.0213        | 2.5800e-003        | 511.3174        |
| <b>Total</b>                           |                    | <b>537.3307</b> | <b>0.0224</b> | <b>2.7200e-003</b> | <b>538.7026</b> |

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**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 |

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**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        |
| <b>Total</b>          | <b>2.5314</b> | <b>7.0000e-005</b> | <b>7.9600e-003</b> | <b>0.0000</b> |               | <b>3.0000e-005</b> | <b>3.0000e-005</b> |                | <b>3.0000e-005</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>0.0155</b> | <b>0.0155</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>0.0165</b> |

**Mitigated**

|                       | ROG           | NOx                | CO                 | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| SubCategory           | tons/yr       |                    |                    |               |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Architectural Coating | 0.2923        |                    |                    |               |               | 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        |
| <b>Total</b>          | <b>2.5314</b> | <b>7.0000e-005</b> | <b>7.9600e-003</b> | <b>0.0000</b> |               | <b>3.0000e-005</b> | <b>3.0000e-005</b> |                | <b>3.0000e-005</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>0.0155</b> | <b>0.0155</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>0.0165</b> |

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

|             | Total CO2 | CH4    | N2O    | CO2e     |
|-------------|-----------|--------|--------|----------|
| Category    | MT/yr     |        |        |          |
| Mitigated   | 694.9710  | 4.5717 | 0.1106 | 842.2230 |
| Unmitigated | 694.9710  | 4.5717 | 0.1106 | 842.2230 |

**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 | 139.467 / 0        | 694.9710        | 4.5717        | 0.1106        | 842.2230        |
| <b>Total</b>                     |                    | <b>694.9710</b> | <b>4.5717</b> | <b>0.1106</b> | <b>842.2230</b> |

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**7.2 Water by Land Use****Mitigated**

|                                  | Indoor/Outdoor Use | Total CO <sub>2</sub> | CH <sub>4</sub> | N <sub>2</sub> O | CO <sub>2</sub> e |
|----------------------------------|--------------------|-----------------------|-----------------|------------------|-------------------|
| 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 | 139.467 / 0        | 694.9710              | 4.5717          | 0.1106           | 842.2230          |
| <b>Total</b>                     |                    | <b>694.9710</b>       | <b>4.5717</b>   | <b>0.1106</b>    | <b>842.2230</b>   |

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

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

Category/Year

|             | Total CO2 | CH4    | N2O    | CO2e     |
|-------------|-----------|--------|--------|----------|
|             | MT/yr     |        |        |          |
| Mitigated   | 115.0776  | 6.8009 | 0.0000 | 285.0999 |
| 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        |
| <b>Total</b>                     |                | <b>115.0776</b> | <b>6.8009</b> | <b>0.0000</b> | <b>285.0999</b> |

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**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 | 566.91         | 115.0776        | 6.8009        | 0.0000        | 285.0999        |
| <b>Total</b>                     |                | <b>115.0776</b> | <b>6.8009</b> | <b>0.0000</b> | <b>285.0999</b> |

**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 |
|----------------|--------|
|----------------|--------|

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## **11.0 Vegetation**

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

**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/MW/hr) | 789.98 | CH4 Intensity (lb/MW/hr) | 0.033 | N2O Intensity (lb/MW/hr) | 0.004 |
|--------------------------|--------|--------------------------|-------|--------------------------|-------|

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

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## Project Characteristics - Current 2021 Riverside Public Utilities intensity factors

Land Use - 37 acre site

603,100 sf

Construction Phase - Grading/Primary Road Construction - 3 months

Building Permit/Building Construction - 12 months

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - Soil would be balanced between Parcel 1 and 2

Grading -

Architectural Coating -

Vehicle Trips - 847 ADT

Trucks - 274 (0.45 trips/ksf)

38.7 mile trip length

Area Coating -

Energy Use -

Water And Wastewater -

Construction Off-road Equipment Mitigation -

Waste Mitigation -

Fleet Mix - Trucks only, mix per TIA

| Table Name           | Column Name | Default Value | New Value |
|----------------------|-------------|---------------|-----------|
| tblConstructionPhase | NumDays     | 30.00         | 18.00     |
| tblConstructionPhase | NumDays     | 75.00         | 47.00     |
| tblConstructionPhase | NumDays     | 740.00        | 243.00    |
| tblConstructionPhase | NumDays     | 55.00         | 111.00    |
| tblConstructionPhase | NumDays     | 55.00         | 18.00     |
| tblFleetMix          | HHD         | 0.03          | 0.37      |
| tblFleetMix          | LDA         | 0.55          | 0.00      |

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|                           |                    |             |           |
|---------------------------|--------------------|-------------|-----------|
| 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      |
| tblGrading                | MaterialExported   | 0.00        | 40,000.00 |
| tblLandUse                | LotAcreage         | 13.85       | 16.00     |
| tblProjectCharacteristics | CH4IntensityFactor | 0.029       | 0.033     |
| tblProjectCharacteristics | CO2IntensityFactor | 1325.65     | 789.98    |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006       | 0.004     |
| tblTripsAndVMT            | HaulingTripLength  | 20.00       | 1.00      |
| 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      |

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**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    | 0.4886  | 4.5855 | 3.9430 | 0.0125      | 0.9434        | 0.1353       | 1.0787     | 0.3293         | 0.1259        | 0.4552      | 0.0000   | 1,151.059 <sub>7</sub> | 1,151.059 <sub>7</sub> | 0.1293 | 0.0000 | 1,154.291 <sub>3</sub> |
| 2022    | 3.2698  | 2.4393 | 2.8361 | 9.6400e-003 | 0.5550        | 0.0604       | 0.6154     | 0.1494         | 0.0569        | 0.2063      | 0.0000   | 886.7648               | 886.7648               | 0.0684 | 0.0000 | 888.4738               |
| Maximum | 3.2698  | 4.5855 | 3.9430 | 0.0125      | 0.9434        | 0.1353       | 1.0787     | 0.3293         | 0.1259        | 0.4552      | 0.0000   | 1,151.059 <sub>7</sub> | 1,151.059 <sub>7</sub> | 0.1293 | 0.0000 | 1,154.291 <sub>3</sub> |

**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    | 0.4886  | 4.5855 | 3.9430 | 0.0125      | 0.7406        | 0.1353       | 0.8759     | 0.2384         | 0.1259        | 0.3593      | 0.0000   | 1,151.059 <sub>4</sub> | 1,151.059 <sub>4</sub> | 0.1293 | 0.0000 | 1,154.290 <sub>9</sub> |
| 2022    | 3.2698  | 2.4393 | 2.8361 | 9.6400e-003 | 0.5550        | 0.0604       | 0.6154     | 0.1494         | 0.0569        | 0.2063      | 0.0000   | 886.7646               | 886.7646               | 0.0684 | 0.0000 | 888.4736               |
| Maximum | 3.2698  | 4.5855 | 3.9430 | 0.0125      | 0.7406        | 0.1353       | 0.8759     | 0.2384         | 0.1259        | 0.3593      | 0.0000   | 1,151.059 <sub>4</sub> | 1,151.059 <sub>4</sub> | 0.1293 | 0.0000 | 1,154.290 <sub>9</sub> |

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|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 13.53         | 0.00         | 11.97      | 20.02          | 0.00          | 14.49       | 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  | 1.8445                                       |  |  |  |  | 1.8445                                     |  |  |  |  |
| 2       | 7-1-2021   | 9-30-2021  | 1.5867                                       |  |  |  |  | 1.5867                                     |  |  |  |  |
| 3       | 10-1-2021  | 12-31-2021 | 1.6006                                       |  |  |  |  | 1.6006                                     |  |  |  |  |
| 4       | 1-1-2022   | 3-31-2022  | 2.7104                                       |  |  |  |  | 2.7104                                     |  |  |  |  |
| 5       | 4-1-2022   | 6-30-2022  | 2.9920                                       |  |  |  |  | 2.9920                                     |  |  |  |  |
|         |            | Highest    | 2.9920                                       |  |  |  |  | 2.9920                                     |  |  |  |  |

## 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   | 602.6636   | 602.6636   | 0.0237      | 3.9200e-003 | 604.4238   |
| 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      | 44.2464  | 650.7246   | 694.9710   | 4.5717      | 0.1106      | 842.2230   |
| Total    | 2.8331      | 6.8160      | 3.0712      | 0.0451      | 1.6875        | 0.0323       | 1.7198      | 0.4817         | 0.0311        | 0.5128      | 159.3240 | 5,569.6034 | 5,728.9274 | 11.5641     | 0.1145      | 6,052.1578 |

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**2.2 Overall Operational****Mitigated Operational**

| Category     | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2        | NBio- CO2                    | Total CO2                    | CH4            | N2O           | CO2e                         |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|------------------------------|------------------------------|----------------|---------------|------------------------------|
|              | 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          | 602.6636                     | 602.6636                     | 0.0237         | 3.9200e-003   | 604.4238                     |
| Mobile       | 0.2951        | 6.7559        | 3.0128        | 0.0447        | 1.6875        | 0.0277        | 1.7152        | 0.4817         | 0.0265        | 0.5082        | 0.0000          | 4,316.199 <sub>7</sub>       | 4,316.199 <sub>7</sub>       | 0.1678         | 0.0000        | 4,320.394 <sub>6</sub>       |
| 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        | 44.2464         | 650.7246                     | 694.9710                     | 4.5717         | 0.1106        | 842.2230                     |
| <b>Total</b> | <b>2.8331</b> | <b>6.8160</b> | <b>3.0712</b> | <b>0.0451</b> | <b>1.6875</b> | <b>0.0323</b> | <b>1.7198</b> | <b>0.4817</b>  | <b>0.0311</b> | <b>0.5128</b> | <b>159.3240</b> | <b>5,569.603<sub>4</sub></b> | <b>5,728.927<sub>4</sub></b> | <b>11.5641</b> | <b>0.1145</b> | <b>6,052.157<sub>8</sub></b> |

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00        | 0.00     | 0.00      | 0.00      | 0.00 | 0.00 | 0.00 |

**3.0 Construction Detail****Construction Phase**

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| 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            | Architectural Coatings | Architectural Coating | 1/27/2022  | 6/30/2022 | 5             | 111      |                   |
| 5            | Paving                 | Paving                | 6/7/2022   | 6/30/2022 | 5             | 18       |                   |

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

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

Trips and VMT

| Phase Name             | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation       | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading                | 8                       | 20.00              | 0.00               | 5,000.00            | 14.70              | 6.90               | 1.00                | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction  | 9                       | 638.00             | 249.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                 | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coatings | 1                       | 128.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |



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**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        |
| <b>Total</b>  | <b>0.0350</b> | <b>0.3645</b> | <b>0.1904</b> | <b>3.4000e-004</b> | <b>0.1626</b> | <b>0.0184</b> | <b>0.1810</b> | <b>0.0894</b>  | <b>0.0169</b> | <b>0.1063</b> | <b>0.0000</b> | <b>30.0922</b> | <b>30.0922</b> | <b>9.7300e-003</b> | <b>0.0000</b> | <b>30.3355</b> |

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**3.2 Site Preparation - 2021****Unmitigated Construction Off-Site**

| Category     | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
|              | 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        |
| <b>Total</b> | <b>6.7000e-004</b> | <b>5.0000e-004</b> | <b>5.6500e-003</b> | <b>2.0000e-005</b> | <b>1.7800e-003</b> | <b>1.0000e-005</b> | <b>1.7900e-003</b> | <b>4.7000e-004</b> | <b>1.0000e-005</b> | <b>4.8000e-004</b> | <b>0.0000</b> | <b>1.5498</b> | <b>1.5498</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.5508</b> |

**Mitigated Construction On-Site**

| Category      | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
|               | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 0.0732        | 0.0000        | 0.0732        | 0.0402         | 0.0000        | 0.0402        | 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        |
| <b>Total</b>  | <b>0.0350</b> | <b>0.3645</b> | <b>0.1904</b> | <b>3.4000e-004</b> | <b>0.0732</b> | <b>0.0184</b> | <b>0.0916</b> | <b>0.0402</b>  | <b>0.0169</b> | <b>0.0572</b> | <b>0.0000</b> | <b>30.0921</b> | <b>30.0921</b> | <b>9.7300e-003</b> | <b>0.0000</b> | <b>30.3354</b> |

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**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 |         |        |        |             | 0.2061        | 0.0000       | 0.2061     | 0.0849         | 0.0000        | 0.0849      | 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 | 0.2061        | 0.0467       | 0.2528     | 0.0849         | 0.0429        | 0.1278      | 0.0000   | 128.0632  | 128.0632  | 0.0414 | 0.0000 | 129.0987 |

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**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  | 4.8200e-003 | 0.2497      | 0.0374 | 3.3000e-004 | 2.2000e-003   | 2.0000e-004  | 2.3900e-003 | 6.1000e-004    | 1.9000e-004   | 8.0000e-004 | 0.0000   | 32.1224   | 32.1224   | 4.5000e-003 | 0.0000 | 32.2350 |
| 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    | 6.7700e-003 | 0.2512      | 0.0538 | 3.8000e-004 | 7.3600e-003   | 2.4000e-004  | 7.5900e-003 | 1.9800e-003    | 2.3000e-004   | 2.2100e-003 | 0.0000   | 36.6186   | 36.6186   | 4.6200e-003 | 0.0000 | 36.7343 |

**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 |         |        |        |             | 0.0927        | 0.0000       | 0.0927     | 0.0382         | 0.0000        | 0.0382      | 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 | 0.0927        | 0.0467       | 0.1394     | 0.0382         | 0.0429        | 0.0811      | 0.0000   | 128.0631  | 128.0631  | 0.0414 | 0.0000 | 129.0985 |

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**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  | 4.8200e-003 | 0.2497      | 0.0374 | 3.3000e-004 | 2.2000e-003   | 2.0000e-004  | 2.3900e-003 | 6.1000e-004    | 1.9000e-004   | 8.0000e-004 | 0.0000   | 32.1224   | 32.1224   | 4.5000e-003 | 0.0000 | 32.2350 |
| 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    | 6.7700e-003 | 0.2512      | 0.0538 | 3.8000e-004 | 7.3600e-003   | 2.4000e-004  | 7.5900e-003 | 1.9800e-003    | 2.3000e-004   | 2.2100e-003 | 0.0000   | 36.6186   | 36.6186   | 4.6200e-003 | 0.0000 | 36.7343 |

**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 |

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**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   | 0.0473  | 1.5985 | 0.4040 | 4.1100e-003 | 0.1036        | 3.2600e-003  | 0.1068     | 0.0299         | 3.1100e-003   | 0.0330      | 0.0000   | 399.0283  | 399.0283  | 0.0257 | 0.0000 | 399.6714 |
| Worker   | 0.1750  | 0.1299 | 1.4695 | 4.4600e-003 | 0.4620        | 3.4800e-003  | 0.4655     | 0.1227         | 3.2100e-003   | 0.1259      | 0.0000   | 402.8270  | 402.8270  | 0.0108 | 0.0000 | 403.0980 |
| Total    | 0.2223  | 1.7284 | 1.8735 | 8.5700e-003 | 0.5656        | 6.7400e-003  | 0.5723     | 0.1526         | 6.3200e-003   | 0.1589      | 0.0000   | 801.8554  | 801.8554  | 0.0366 | 0.0000 | 802.7694 |

**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 |

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**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   | 0.0473  | 1.5985 | 0.4040 | 4.1100e-003 | 0.1036        | 3.2600e-003  | 0.1068     | 0.0299         | 3.1100e-003   | 0.0330      | 0.0000   | 399.0283  | 399.0283  | 0.0257 | 0.0000 | 399.6714 |
| Worker   | 0.1750  | 0.1299 | 1.4695 | 4.4600e-003 | 0.4620        | 3.4800e-003  | 0.4655     | 0.1227         | 3.2100e-003   | 0.1259      | 0.0000   | 402.8270  | 402.8270  | 0.0108 | 0.0000 | 403.0980 |
| Total    | 0.2223  | 1.7284 | 1.8735 | 8.5700e-003 | 0.5656        | 6.7400e-003  | 0.5723     | 0.1526         | 6.3200e-003   | 0.1589      | 0.0000   | 801.8554  | 801.8554  | 0.0366 | 0.0000 | 802.7694 |

**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 |

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**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   | 0.0373  | 1.2755 | 0.3217 | 3.4200e-003 | 0.0871        | 2.3800e-003  | 0.0895     | 0.0251         | 2.2800e-003   | 0.0274      | 0.0000   | 332.5824  | 332.5824  | 0.0209      | 0.0000 | 333.1044 |
| Worker   | 0.1382  | 0.0987 | 1.1411 | 3.6100e-003 | 0.3885        | 2.8500e-003  | 0.3913     | 0.1032         | 2.6200e-003   | 0.1058      | 0.0000   | 326.6079  | 326.6079  | 8.2300e-003 | 0.0000 | 326.8138 |
| Total    | 0.1755  | 1.3741 | 1.4628 | 7.0300e-003 | 0.4756        | 5.2300e-003  | 0.4808     | 0.1283         | 4.9000e-003   | 0.1332      | 0.0000   | 659.1903  | 659.1903  | 0.0291      | 0.0000 | 659.9182 |

**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 |



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**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   | 0.0373  | 1.2755 | 0.3217 | 3.4200e-003 | 0.0871        | 2.3800e-003  | 0.0895     | 0.0251         | 2.2800e-003   | 0.0274      | 0.0000   | 332.5824  | 332.5824  | 0.0209      | 0.0000 | 333.1044 |
| Worker   | 0.1382  | 0.0987 | 1.1411 | 3.6100e-003 | 0.3885        | 2.8500e-003  | 0.3913     | 0.1032         | 2.6200e-003   | 0.1058      | 0.0000   | 326.6079  | 326.6079  | 8.2300e-003 | 0.0000 | 326.8138 |
| Total    | 0.1755  | 1.3741 | 1.4628 | 7.0300e-003 | 0.4756        | 5.2300e-003  | 0.4808     | 0.1283         | 4.9000e-003   | 0.1332      | 0.0000   | 659.1903  | 659.1903  | 0.0291      | 0.0000 | 659.9182 |

**3.5 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 | 2.9226  |        |        |             |               | 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           | 2.9339  | 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 |

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**3.5 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 | 2.9226  |        |        |             |               | 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           | 2.9339  | 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 |

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**3.5 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 |

**3.6 Paving - 2022****Unmitigated Construction On-Site**

|          | ROG         | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O    | CO2e    |
|----------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|---------|
| Category | tons/yr     |        |        |             |               |              |             |                |               |             | MT/yr    |           |           |             |        |         |
| Off-Road | 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 |

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**3.6 Paving - 2022****Unmitigated Construction Off-Site**

| Category     | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
|              | 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        |
| <b>Total</b> | <b>5.3000e-004</b> | <b>3.8000e-004</b> | <b>4.3500e-003</b> | <b>1.0000e-005</b> | <b>1.4800e-003</b> | <b>1.0000e-005</b> | <b>1.4900e-003</b> | <b>3.9000e-004</b> | <b>1.0000e-005</b> | <b>4.0000e-004</b> | <b>0.0000</b> | <b>1.2452</b> | <b>1.2452</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>1.2460</b> |

**Mitigated Construction On-Site**

| Category     | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
|              | 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         |
| <b>Total</b> | <b>0.0374</b> | <b>0.1001</b> | <b>0.1312</b> | <b>2.1000e-004</b> |               | <b>5.1100e-003</b> | <b>5.1100e-003</b> |                | <b>4.7000e-003</b> | <b>4.7000e-003</b> | <b>0.0000</b> | <b>18.0248</b> | <b>18.0248</b> | <b>5.8300e-003</b> | <b>0.0000</b> | <b>18.1705</b> |

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**3.6 Paving - 2022****Mitigated Construction Off-Site**

|          | ROG         | NOx         | CO          | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O    | CO2e   |
|----------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|--------|
| Category | tons/yr     |             |             |             |               |              |             |                |               |             | MT/yr    |           |           |             |        |        |
| Hauling  | 0.0000      | 0.0000      | 0.0000      | 0.0000      | 0.0000        | 0.0000       | 0.0000      | 0.0000         | 0.0000        | 0.0000      | 0.0000   | 0.0000    | 0.0000    | 0.0000      | 0.0000 | 0.0000 |
| Vendor   | 0.0000      | 0.0000      | 0.0000      | 0.0000      | 0.0000        | 0.0000       | 0.0000      | 0.0000         | 0.0000        | 0.0000      | 0.0000   | 0.0000    | 0.0000    | 0.0000      | 0.0000 | 0.0000 |
| Worker   | 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 |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

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|             | ROG     | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 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

| Land Use                         | Average Daily Trip Rate |          |        |  | Unmitigated |  | Mitigated  |  |
|----------------------------------|-------------------------|----------|--------|--|-------------|--|------------|--|
|                                  | 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

| Land Use                    | Miles      |            |             |            | Trip %     |             |  |  | Trip Purpose % |          |         |  |
|-----------------------------|------------|------------|-------------|------------|------------|-------------|--|--|----------------|----------|---------|--|
|                             | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW |  |  | Primary        | Diverted | Pass-by |  |
| 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

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| 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**

| Category                | ROG         | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e     |
|-------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| tons/yr                 |             |        |        |             |               |              |             |                |               |             |          |           |           |             |             |          |
| MT/yr                   |             |        |        |             |               |              |             |                |               |             |          |           |           |             |             |          |
| Electricity Mitigated   |             |        |        |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 0.0000   | 537.3307  | 537.3307  | 0.0225      | 2.7200e-003 | 538.7026 |
| Electricity Unmitigated |             |        |        |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 0.0000   | 537.3307  | 537.3307  | 0.0225      | 2.7200e-003 | 538.7026 |
| NaturalGas Mitigated    | 6.6000e-003 | 0.0600 | 0.0504 | 3.6000e-004 | 4.5600e-003   | 4.5600e-003  | 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    | 4.5600e-003   | 4.5600e-003 | 0.0000   | 65.3329   | 65.3329   | 1.2500e-003 | 1.2000e-003 | 65.7212  |

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**5.2 Energy by Land Use - NaturalGas****Unmitigated**

| Land Use                         | NaturalGas Use<br>kBTU/yr | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------------|---------------------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
|                                  |                           |                    |               |               |                    |               |                    |                    |                |                    |                    |               |                |                |                    |                    |                |
| 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        |
| <b>Total</b>                     |                           | <b>6.6000e-003</b> | <b>0.0600</b> | <b>0.0504</b> | <b>3.6000e-004</b> |               | <b>4.5600e-003</b> | <b>4.5600e-003</b> |                | <b>4.5600e-003</b> | <b>4.5600e-003</b> | <b>0.0000</b> | <b>65.3329</b> | <b>65.3329</b> | <b>1.2500e-003</b> | <b>1.2000e-003</b> | <b>65.7212</b> |

**Mitigated**

| Land Use                         | NaturalGas Use<br>kBTU/yr | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------------|---------------------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
|                                  |                           |                    |               |               |                    |               |                    |                    |                |                    |                    |               |                |                |                    |                    |                |
| 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        |
| <b>Total</b>                     |                           | <b>6.6000e-003</b> | <b>0.0600</b> | <b>0.0504</b> | <b>3.6000e-004</b> |               | <b>4.5600e-003</b> | <b>4.5600e-003</b> |                | <b>4.5600e-003</b> | <b>4.5600e-003</b> | <b>0.0000</b> | <b>65.3329</b> | <b>65.3329</b> | <b>1.2500e-003</b> | <b>1.2000e-003</b> | <b>65.7212</b> |



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**5.3 Energy by Land Use - Electricity****Unmitigated**

|                                        | Electricity<br>Use | Total CO <sub>2</sub> | CH <sub>4</sub> | N <sub>2</sub> O   | CO <sub>2</sub> e |
|----------------------------------------|--------------------|-----------------------|-----------------|--------------------|-------------------|
| Land Use                               | kWh/yr             | MT/yr                 |                 |                    |                   |
| Other Asphalt<br>Surfaces              | 0                  | 0.0000                | 0.0000          | 0.0000             | 0.0000            |
| Parking Lot                            | 76230              | 27.3154               | 1.1400e-003     | 1.4000e-004        | 27.3852           |
| Unrefrigerated<br>Warehouse-No<br>Rail | 1.42332e+006       | 510.0153              | 0.0213          | 2.5800e-003        | 511.3174          |
| <b>Total</b>                           |                    | <b>537.3307</b>       | <b>0.0224</b>   | <b>2.7200e-003</b> | <b>538.7026</b>   |

**Mitigated**

|                                        | Electricity<br>Use | Total CO <sub>2</sub> | CH <sub>4</sub> | N <sub>2</sub> O   | CO <sub>2</sub> e |
|----------------------------------------|--------------------|-----------------------|-----------------|--------------------|-------------------|
| Land Use                               | kWh/yr             | MT/yr                 |                 |                    |                   |
| Other Asphalt<br>Surfaces              | 0                  | 0.0000                | 0.0000          | 0.0000             | 0.0000            |
| Parking Lot                            | 76230              | 27.3154               | 1.1400e-003     | 1.4000e-004        | 27.3852           |
| Unrefrigerated<br>Warehouse-No<br>Rail | 1.42332e+006       | 510.0153              | 0.0213          | 2.5800e-003        | 511.3174          |
| <b>Total</b>                           |                    | <b>537.3307</b>       | <b>0.0224</b>   | <b>2.7200e-003</b> | <b>538.7026</b>   |

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**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 |

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**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        |
| <b>Total</b>          | <b>2.5314</b> | <b>7.0000e-005</b> | <b>7.9600e-003</b> | <b>0.0000</b> |               | <b>3.0000e-005</b> | <b>3.0000e-005</b> |                | <b>3.0000e-005</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>0.0155</b> | <b>0.0155</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>0.0165</b> |

**Mitigated**

|                       | ROG           | NOx                | CO                 | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| SubCategory           | tons/yr       |                    |                    |               |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Architectural Coating | 0.2923        |                    |                    |               |               | 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        |
| <b>Total</b>          | <b>2.5314</b> | <b>7.0000e-005</b> | <b>7.9600e-003</b> | <b>0.0000</b> |               | <b>3.0000e-005</b> | <b>3.0000e-005</b> |                | <b>3.0000e-005</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>0.0155</b> | <b>0.0155</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>0.0165</b> |

**7.0 Water Detail**

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

**7.1 Mitigation Measures Water**

|             | Total CO2 | CH4    | N2O    | CO2e     |
|-------------|-----------|--------|--------|----------|
| Category    | MT/yr     |        |        |          |
| Mitigated   | 694.9710  | 4.5717 | 0.1106 | 842.2230 |
| Unmitigated | 694.9710  | 4.5717 | 0.1106 | 842.2230 |

**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 | 139.467 / 0        | 694.9710        | 4.5717        | 0.1106        | 842.2230        |
| <b>Total</b>                     |                    | <b>694.9710</b> | <b>4.5717</b> | <b>0.1106</b> | <b>842.2230</b> |

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

**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 | 139.467 / 0        | 694.9710        | 4.5717        | 0.1106        | 842.2230        |
| <b>Total</b>                     |                    | <b>694.9710</b> | <b>4.5717</b> | <b>0.1106</b> | <b>842.2230</b> |

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

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

Category/Year

|             | Total CO2 | CH4    | N2O    | CO2e     |
|-------------|-----------|--------|--------|----------|
|             | MT/yr     |        |        |          |
| Mitigated   | 115.0776  | 6.8009 | 0.0000 | 285.0999 |
| 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        |
| <b>Total</b>                     |                | <b>115.0776</b> | <b>6.8009</b> | <b>0.0000</b> | <b>285.0999</b> |

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

**8.2 Waste by Land Use****Mitigated**

|                                  | Waste Disposed | Total CO <sub>2</sub> | CH <sub>4</sub> | N <sub>2</sub> O | CO <sub>2</sub> e |
|----------------------------------|----------------|-----------------------|-----------------|------------------|-------------------|
| 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          |
| <b>Total</b>                     |                | <b>115.0776</b>       | <b>6.8009</b>   | <b>0.0000</b>    | <b>285.0999</b>   |

**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 |
|----------------|--------|
|----------------|--------|

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

## **11.0 Vegetation**

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

**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/MW/hr) | 789.98 | CH4 Intensity (lb/MW/hr) | 0.033 | N2O Intensity (lb/MW/hr) | 0.004 |
|--------------------------|--------|--------------------------|-------|--------------------------|-------|

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

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

## Project Characteristics - Current 2021 Riverside Public Utilities intensity factors

Land Use - 37 acre site

603,100 sf

Construction Phase - Grading/Primary Road Construction - 3 months

Building Permit/Building Construction - 12 months

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - Soil would be balanced between Parcel 1 and 2

Grading -

Architectural Coating -

Vehicle Trips - 847 ADT

Passenger cars - 573 (0.95 trips/kfsf)

24.2 mile trip length

Area Coating -

Energy Use -

Water And Wastewater -

Construction Off-road Equipment Mitigation -

Waste Mitigation -

Fleet Mix - Employee cars (light and medium duty) only

| Table Name           | Column Name | Default Value | New Value |
|----------------------|-------------|---------------|-----------|
| tblConstructionPhase | NumDays     | 30.00         | 18.00     |
| tblConstructionPhase | NumDays     | 75.00         | 47.00     |
| tblConstructionPhase | NumDays     | 740.00        | 243.00    |
| tblConstructionPhase | NumDays     | 55.00         | 111.00    |
| tblConstructionPhase | NumDays     | 55.00         | 18.00     |
| tblFleetMix          | HHD         | 0.03          | 0.00      |
| tblFleetMix          | LDA         | 0.55          | 0.60      |

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

|                           |                    |             |             |
|---------------------------|--------------------|-------------|-------------|
| tblFleetMix               | LDT1               | 0.04        | 0.05        |
| tblFleetMix               | LDT2               | 0.20        | 0.22        |
| tblFleetMix               | LHD1               | 0.02        | 0.00        |
| tblFleetMix               | LHD2               | 5.8470e-003 | 0.00        |
| tblFleetMix               | MCY                | 4.8220e-003 | 5.1750e-003 |
| tblFleetMix               | MDV                | 0.12        | 0.13        |
| 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        |
| tblGrading                | MaterialExported   | 0.00        | 40,000.00   |
| tblLandUse                | LotAcreage         | 13.85       | 16.00       |
| tblProjectCharacteristics | CH4IntensityFactor | 0.029       | 0.033       |
| tblProjectCharacteristics | CO2IntensityFactor | 1325.65     | 789.98      |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006       | 0.004       |
| tblTripsAndVMT            | HaulingTripLength  | 20.00       | 1.00        |
| 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        |

## 2.0 Emissions Summary

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

**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    | 5.2716  | 57.1807 | 46.3203 | 0.1608 | 18.2675       | 2.0460       | 20.3134    | 9.9840         | 1.8823        | 11.8663     | 0.0000   | 16,356.89<br>43 | 16,356.89<br>43 | 2.1497 | 0.0000 | 16,387.47<br>51 |
| 2022    | 58.2345 | 41.5630 | 50.2561 | 0.1743 | 10.1554       | 0.9947       | 11.1500    | 2.7294         | 0.9401        | 3.6695      | 0.0000   | 17,693.43<br>60 | 17,693.43<br>60 | 1.2394 | 0.0000 | 17,724.42<br>15 |
| Maximum | 58.2345 | 57.1807 | 50.2561 | 0.1743 | 18.2675       | 2.0460       | 20.3134    | 9.9840         | 1.8823        | 11.8663     | 0.0000   | 17,693.43<br>60 | 17,693.43<br>60 | 2.1497 | 0.0000 | 17,724.42<br>15 |

**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    | 5.2716  | 57.1807 | 46.3203 | 0.1608 | 8.7246        | 2.0460       | 10.7770    | 4.5222         | 1.8823        | 6.4044      | 0.0000   | 16,356.89<br>43 | 16,356.89<br>43 | 2.1497 | 0.0000 | 16,387.47<br>51 |
| 2022    | 58.2345 | 41.5630 | 50.2561 | 0.1743 | 10.1554       | 0.9947       | 11.1500    | 2.7294         | 0.9401        | 3.6695      | 0.0000   | 17,693.43<br>60 | 17,693.43<br>60 | 1.2394 | 0.0000 | 17,724.42<br>15 |
| Maximum | 58.2345 | 57.1807 | 50.2561 | 0.1743 | 10.1554       | 2.0460       | 11.1500    | 4.5222         | 1.8823        | 6.4044      | 0.0000   | 17,693.43<br>60 | 17,693.43<br>60 | 2.1497 | 0.0000 | 17,724.42<br>15 |

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 33.57         | 0.00         | 31.58      | 42.96          | 0.00          | 35.16       | 0.00     | 0.00      | 0.00      | 0.00 | 0.00 | 0.00 |

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

**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       | 1.3162         | 1.8721        | 26.9962        | 0.0936        | 9.8196        | 0.0611        | 9.8807        | 2.6025         | 0.0562        | 2.6587        |          | 9,331.644        | 9,331.644        | 0.2610        |                    | 9,338.168        |
| <b>Total</b> | <b>15.2251</b> | <b>2.2015</b> | <b>27.3361</b> | <b>0.0955</b> | <b>9.8196</b> | <b>0.0863</b> | <b>9.9059</b> | <b>2.6025</b>  | <b>0.0815</b> | <b>2.6839</b> |          | <b>9,726.395</b> | <b>9,726.395</b> | <b>0.2689</b> | <b>7.2300e-003</b> | <b>9,735.274</b> |

**Mitigated Operational**

|              | ROG            | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2        | Total CO2        | CH4           | N2O                | CO2e             |
|--------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------|------------------|---------------|--------------------|------------------|
| Category     | lb/day         |               |                |               |               |               |               |                |               |               | lb/day   |                  |                  |               |                    |                  |
| Area         | 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       | 1.3162         | 1.8721        | 26.9962        | 0.0936        | 9.8196        | 0.0611        | 9.8807        | 2.6025         | 0.0562        | 2.6587        |          | 9,331.644        | 9,331.644        | 0.2610        |                    | 9,338.168        |
| <b>Total</b> | <b>15.2251</b> | <b>2.2015</b> | <b>27.3361</b> | <b>0.0955</b> | <b>9.8196</b> | <b>0.0863</b> | <b>9.9059</b> | <b>2.6025</b>  | <b>0.0815</b> | <b>2.6839</b> |          | <b>9,726.395</b> | <b>9,726.395</b> | <b>0.2689</b> | <b>7.2300e-003</b> | <b>9,735.274</b> |

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

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| 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            | Architectural Coatings | Architectural Coating | 1/27/2022  | 6/30/2022 | 5             | 111      |                   |
| 5            | Paving                 | Paving                | 6/7/2022   | 6/30/2022 | 5             | 18       |                   |

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        |
| Paving                 | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                 | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving                 | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Architectural Coatings | Air Compressors           | 1      | 6.00        | 78          | 0.48        |

Trips and VMT

| Phase Name             | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation       | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading                | 8                       | 20.00              | 0.00               | 5,000.00            | 14.70              | 6.90               | 1.00                | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction  | 9                       | 638.00             | 249.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                 | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coatings | 1                       | 128.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

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

**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        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> |          | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715.4573</b> |



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

**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        |
| <b>Total</b> | <b>0.0753</b> | <b>0.0491</b> | <b>0.6758</b> | <b>2.0000e-003</b> | <b>0.2012</b> | <b>1.4900e-003</b> | <b>0.2027</b> | <b>0.0534</b>  | <b>1.3700e-003</b> | <b>0.0547</b> |          | <b>199.2417</b> | <b>199.2417</b> | <b>5.3700e-003</b> |     | <b>199.3759</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |                |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 8.1298        | 0.0000        | 8.1298         | 4.4688         | 0.0000        | 4.4688        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |               | 2.0445        | 2.0445         | 1.8809         | 1.8809        | 1.8809        | 0.0000        | 3,685.6569        | 3,685.6569        | 1.1920        |     | 3,715,4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>8.1298</b> | <b>2.0445</b> | <b>10.1743</b> | <b>4.4688</b>  | <b>1.8809</b> | <b>6.3497</b> | <b>0.0000</b> | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715,4573</b> |

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

**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        |
| <b>Total</b> | <b>0.0753</b> | <b>0.0491</b> | <b>0.6758</b> | <b>2.0000e-003</b> | <b>0.2012</b> | <b>1.4900e-003</b> | <b>0.2027</b> | <b>0.0534</b>  | <b>1.3700e-003</b> | <b>0.0547</b> |          | <b>199.2417</b> | <b>199.2417</b> | <b>5.3700e-003</b> |     | <b>199.3759</b> |

**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 |               |                |                |               | 8.7696        | 0.0000        | 8.7696         | 3.6111         | 0.0000        | 3.6111        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 4.1912        | 46.3998        | 30.8785        | 0.0620        |               | 1.9853        | 1.9853         | 1.8265         | 1.8265        | 1.8265        |          | 6,007.0434        | 6,007.0434        | 1.9428        |     | 6,055.6134        |
| <b>Total</b>  | <b>4.1912</b> | <b>46.3998</b> | <b>30.8785</b> | <b>0.0620</b> | <b>8.7696</b> | <b>1.9853</b> | <b>10.7549</b> | <b>3.6111</b>  | <b>1.8265</b> | <b>5.4376</b> |          | <b>6,007.0434</b> | <b>6,007.0434</b> | <b>1.9428</b> |     | <b>6,055.6134</b> |

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

**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      | 0.1958        | 10.7263        | 1.3929        | 0.0145        | 0.0950        | 7.8100e-003        | 0.1029        | 0.0262         | 7.4700e-003        | 0.0337        |          | 1,570.6855        | 1,570.6855        | 0.2009        |     | 1,575.7081        |
| 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          |
| <b>Total</b> | <b>0.2795</b> | <b>10.7809</b> | <b>2.1438</b> | <b>0.0167</b> | <b>0.3186</b> | <b>9.4600e-003</b> | <b>0.3281</b> | <b>0.0855</b>  | <b>8.9900e-003</b> | <b>0.0945</b> |          | <b>1,792.0651</b> | <b>1,792.0651</b> | <b>0.2069</b> |     | <b>1,797.2369</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 3.9463        | 0.0000        | 3.9463        | 1.6250         | 0.0000        | 1.6250        |               |                   | 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        |
| <b>Total</b>  | <b>4.1912</b> | <b>46.3998</b> | <b>30.8785</b> | <b>0.0620</b> | <b>3.9463</b> | <b>1.9853</b> | <b>5.9317</b> | <b>1.6250</b>  | <b>1.8265</b> | <b>3.4515</b> | <b>0.0000</b> | <b>6,007.0434</b> | <b>6,007.0434</b> | <b>1.9428</b> |     | <b>6,055.6134</b> |

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

**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  | 0.1958 | 10.7263 | 1.3929 | 0.0145      | 0.0950        | 7.8100e-003  | 0.1029     | 0.0262         | 7.4700e-003   | 0.0337      |          | 1,570.6855 | 1,570.6855 | 0.2009      |     | 1,575.7081 |
| 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    | 0.2795 | 10.7809 | 2.1438 | 0.0167      | 0.3186        | 9.4600e-003  | 0.3281     | 0.0855         | 8.9900e-003   | 0.0945      |          | 1,792.0651 | 1,792.0651 | 0.2069      |     | 1,797.2369 |

**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 |

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

**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   | 0.7006 | 23.8461 | 5.7902  | 0.0630 | 1.5933        | 0.0487       | 1.6420     | 0.4587         | 0.0466        | 0.5052      |          | 6,741.519<br>3  | 6,741.519<br>3  | 0.4169 |     | 6,751.941<br>3  |
| Worker   | 2.6701 | 1.7416  | 23.9549 | 0.0709 | 7.1313        | 0.0528       | 7.1841     | 1.8913         | 0.0486        | 1.9399      |          | 7,062.011<br>1  | 7,062.011<br>1  | 0.1903 |     | 7,066.769<br>5  |
| Total    | 3.3706 | 25.5876 | 29.7451 | 0.1339 | 8.7246        | 0.1015       | 8.8261     | 2.3499         | 0.0952        | 2.4451      |          | 13,803.53<br>04 | 13,803.53<br>04 | 0.6072 |     | 13,818.71<br>08 |

**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   | 2,553.363<br>9 | 2,553.363<br>9 | 0.6160 |     | 2,568.764<br>3 |
| Total    | 1.9009 | 17.4321 | 16.5752 | 0.0269 |               | 0.9586       | 0.9586     |                | 0.9013        | 0.9013      | 0.0000   | 2,553.363<br>9 | 2,553.363<br>9 | 0.6160 |     | 2,568.764<br>3 |

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

**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   | 0.7006 | 23.8461 | 5.7902  | 0.0630 | 1.5933        | 0.0487       | 1.6420     | 0.4587         | 0.0466        | 0.5052      |          | 6,741.519<br>3  | 6,741.519<br>3  | 0.4169 |     | 6,751.941<br>3  |
| Worker   | 2.6701 | 1.7416  | 23.9549 | 0.0709 | 7.1313        | 0.0528       | 7.1841     | 1.8913         | 0.0486        | 1.9399      |          | 7,062.011<br>1  | 7,062.011<br>1  | 0.1903 |     | 7,066.769<br>5  |
| Total    | 3.3706 | 25.5876 | 29.7451 | 0.1339 | 8.7246        | 0.1015       | 8.8261     | 2.3499         | 0.0952        | 2.4451      |          | 13,803.53<br>04 | 13,803.53<br>04 | 0.6072 |     | 13,818.71<br>08 |

**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      |          | 2,554.333<br>6 | 2,554.333<br>6 | 0.6120 |     | 2,569.632<br>2 |
| Total    | 1.7062 | 15.6156 | 16.3634 | 0.0269 |               | 0.8090       | 0.8090     |                | 0.7612        | 0.7612      |          | 2,554.333<br>6 | 2,554.333<br>6 | 0.6120 |     | 2,569.632<br>2 |

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

**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   | 0.6574 | 22.6499 | 5.4823  | 0.0624 | 1.5933        | 0.0424       | 1.6357     | 0.4587         | 0.0405        | 0.4992      |          | 6,682.418 <sub>7</sub>  | 6,682.418 <sub>7</sub>  | 0.4026 |     | 6,692.482 <sub>6</sub>  |
| Worker   | 2.5049 | 1.5733  | 22.1525 | 0.0683 | 7.1313        | 0.0513       | 7.1826     | 1.8913         | 0.0472        | 1.9385      |          | 6,809.138 <sub>9</sub>  | 6,809.138 <sub>9</sub>  | 0.1721 |     | 6,813.440 <sub>6</sub>  |
| Total    | 3.1623 | 24.2233 | 27.6347 | 0.1307 | 8.7246        | 0.0936       | 8.8183     | 2.3499         | 0.0877        | 2.4377      |          | 13,491.55 <sub>75</sub> | 13,491.55 <sub>75</sub> | 0.5746 |     | 13,505.92 <sub>33</sub> |

**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   | 2,554.333 <sub>6</sub> | 2,554.333 <sub>6</sub> | 0.6120 |     | 2,569.632 <sub>2</sub> |
| Total    | 1.7062 | 15.6156 | 16.3634 | 0.0269 |               | 0.8090       | 0.8090     |                | 0.7612        | 0.7612      | 0.0000   | 2,554.333 <sub>6</sub> | 2,554.333 <sub>6</sub> | 0.6120 |     | 2,569.632 <sub>2</sub> |

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

**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   | 0.6574 | 22.6499 | 5.4823  | 0.0624 | 1.5933        | 0.0424       | 1.6357     | 0.4587         | 0.0405        | 0.4992      |          | 6,682.418 <sub>7</sub>  | 6,682.418 <sub>7</sub>  | 0.4026 |     | 6,692.482 <sub>6</sub>  |
| Worker   | 2.5049 | 1.5733  | 22.1525 | 0.0683 | 7.1313        | 0.0513       | 7.1826     | 1.8913         | 0.0472        | 1.9385      |          | 6,809.138 <sub>9</sub>  | 6,809.138 <sub>9</sub>  | 0.1721 |     | 6,813.440 <sub>6</sub>  |
| Total    | 3.1623 | 24.2233 | 27.6347 | 0.1307 | 8.7246        | 0.0936       | 8.8183     | 2.3499         | 0.0877        | 2.4377      |          | 13,491.55 <sub>75</sub> | 13,491.55 <sub>75</sub> | 0.5746 |     | 13,505.92 <sub>33</sub> |

**3.5 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 | 52.6589 |        |        |             |               | 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           | 52.8634 | 1.4085 | 1.8136 | 2.9700e-003 |               | 0.0817       | 0.0817     |                | 0.0817        | 0.0817      |          | 281.4481  | 281.4481  | 0.0183 |     | 281.9062 |



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**3.5 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        |
| <b>Total</b> | <b>0.5026</b> | <b>0.3157</b> | <b>4.4444</b> | <b>0.0137</b> | <b>1.4307</b> | <b>0.0103</b> | <b>1.4410</b> | <b>0.3794</b>  | <b>9.4700e-003</b> | <b>0.3889</b> |          | <b>1,366.0968</b> | <b>1,366.0968</b> | <b>0.0345</b> |     | <b>1,366.9599</b> |

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 52.6589        |               |               |                    |               | 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        |
| <b>Total</b>    | <b>52.8634</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |

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

**3.5 Architectural Coatings - 2022****Mitigated Construction Off-Site**

|          | ROG    | NOx    | CO     | SO <sub>2</sub> | Fugitive PM <sub>10</sub> | Exhaust PM <sub>10</sub> | PM <sub>10</sub> Total | Fugitive PM <sub>2.5</sub> | Exhaust PM <sub>2.5</sub> | PM <sub>2.5</sub> Total | Bio- CO <sub>2</sub> | NBio- CO <sub>2</sub>  | Total CO <sub>2</sub>  | CH <sub>4</sub> | N <sub>2</sub> O | CO <sub>2</sub> e      |
|----------|--------|--------|--------|-----------------|---------------------------|--------------------------|------------------------|----------------------------|---------------------------|-------------------------|----------------------|------------------------|------------------------|-----------------|------------------|------------------------|
| 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                  |                      | 1,366.096 <sub>8</sub> | 1,366.096 <sub>8</sub> | 0.0345          |                  | 1,366.959 <sub>9</sub> |
| Total    | 0.5026 | 0.3157 | 4.4444 | 0.0137          | 1.4307                    | 0.0103                   | 1.4410                 | 0.3794                     | 9.4700e-003               | 0.3889                  |                      | 1,366.096 <sub>8</sub> | 1,366.096 <sub>8</sub> | 0.0345          |                  | 1,366.959 <sub>9</sub> |

**3.6 Paving - 2022****Unmitigated Construction On-Site**

|          | ROG    | NOx     | CO      | SO <sub>2</sub> | Fugitive PM <sub>10</sub> | Exhaust PM <sub>10</sub> | PM <sub>10</sub> Total | Fugitive PM <sub>2.5</sub> | Exhaust PM <sub>2.5</sub> | PM <sub>2.5</sub> Total | Bio- CO <sub>2</sub> | NBio- CO <sub>2</sub>  | Total CO <sub>2</sub>  | CH <sub>4</sub> | N <sub>2</sub> O | CO <sub>2</sub> e      |
|----------|--------|---------|---------|-----------------|---------------------------|--------------------------|------------------------|----------------------------|---------------------------|-------------------------|----------------------|------------------------|------------------------|-----------------|------------------|------------------------|
| Category | lb/day |         |         |                 |                           |                          |                        |                            |                           |                         | lb/day               |                        |                        |                 |                  |                        |
| Off-Road | 1.1028 | 11.1249 | 14.5805 | 0.0228          |                           | 0.5679                   | 0.5679                 |                            | 0.5225                    | 0.5225                  |                      | 2,207.660 <sub>3</sub> | 2,207.660 <sub>3</sub> | 0.7140          |                  | 2,225.510 <sub>4</sub> |
| 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                  |                      | 2,207.660 <sub>3</sub> | 2,207.660 <sub>3</sub> | 0.7140          |                  | 2,225.510 <sub>4</sub> |

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

**3.6 Paving - 2022****Unmitigated Construction Off-Site**

| Category     | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
|              | 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        |
| <b>Total</b> | <b>0.0589</b> | <b>0.0370</b> | <b>0.5208</b> | <b>1.6100e-003</b> | <b>0.1677</b> | <b>1.2100e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1100e-003</b> | <b>0.0456</b> |          | <b>160.0895</b> | <b>160.0895</b> | <b>4.0500e-003</b> |     | <b>160.1906</b> |

**Mitigated Construction On-Site**

| Category     | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2                    | Total CO2                    | CH4           | N2O | CO2e                         |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------------|------------------------------|---------------|-----|------------------------------|
|              | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                              |                              |               |     |                              |
| Off-Road     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |               | 0.5679        | 0.5679        |                | 0.5225        | 0.5225        | 0.0000        | 2,207.660 <sub>3</sub>       | 2,207.660 <sub>3</sub>       | 0.7140        |     | 2,225.510 <sub>4</sub>       |
| Paving       | 3.0567        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                              | 0.0000                       |               |     | 0.0000                       |
| <b>Total</b> | <b>4.1595</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |               | <b>0.5679</b> | <b>0.5679</b> |                | <b>0.5225</b> | <b>0.5225</b> | <b>0.0000</b> | <b>2,207.660<sub>3</sub></b> | <b>2,207.660<sub>3</sub></b> | <b>0.7140</b> |     | <b>2,225.510<sub>4</sub></b> |

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

**3.6 Paving - 2022****Mitigated Construction Off-Site**

|          | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e     |
|----------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|----------|
| Category | lb/day |        |        |             |               |              |            |                |               |             | lb/day   |           |           |             |     |          |
| Hauling  | 0.0000 | 0.0000 | 0.0000 | 0.0000      | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000      |     | 0.0000   |
| Vendor   | 0.0000 | 0.0000 | 0.0000 | 0.0000      | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000      |     | 0.0000   |
| Worker   | 0.0589 | 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 |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

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

|             | ROG    | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O | CO2e      |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|-----------|
| Category    | lb/day |        |         |        |               |              |            |                |               |             | lb/day   |           |           |        |     |           |
| Mitigated   | 1.3162 | 1.8721 | 26.9962 | 0.0936 | 9.8196        | 0.0611       | 9.8807     | 2.6025         | 0.0562        | 2.6587      |          | 9,331.644 | 9,331.644 | 0.2610 |     | 9,338.168 |
|             |        |        |         |        |               |              |            |                |               |             |          | 1         | 1         |        |     | 5         |
| Unmitigated | 1.3162 | 1.8721 | 26.9962 | 0.0936 | 9.8196        | 0.0611       | 9.8807     | 2.6025         | 0.0562        | 2.6587      |          | 9,331.644 | 9,331.644 | 0.2610 |     | 9,338.168 |
|             |        |        |         |        |               |              |            |                |               |             |          | 1         | 1         |        |     | 5         |

## 4.2 Trip Summary Information

| Land Use                         | Average Daily Trip Rate |          |        | Unmitigated |  | Mitigated  |  |
|----------------------------------|-------------------------|----------|--------|-------------|--|------------|--|
|                                  | 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

| Land Use                    | Miles      |            |             |            | Trip %     |             |         |          | Trip Purpose % |  |  |
|-----------------------------|------------|------------|-------------|------------|------------|-------------|---------|----------|----------------|--|--|
|                             | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by        |  |  |
| 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

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

| 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 | 0.598766 | 0.047129 | 0.218324 | 0.130606 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.005175 | 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 |        |        |             |               |              |            |                |               |             |          |           |           |             |             |          |
| 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 |

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

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

| Land Use                         | 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            |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
|                                  | 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        |
| <b>Total</b>                     |                | <b>0.0362</b> | <b>0.3289</b> | <b>0.2762</b> | <b>1.9700e-003</b> |               | <b>0.0250</b> | <b>0.0250</b> |                | <b>0.0250</b> | <b>0.0250</b> |          | <b>394.6150</b> | <b>394.6150</b> | <b>7.5600e-003</b> | <b>7.2300e-003</b> | <b>396.9600</b> |

**Mitigated**

| Land Use                         | 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            |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
|                                  | 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        |
| <b>Total</b>                     |                | <b>0.0362</b> | <b>0.3289</b> | <b>0.2762</b> | <b>1.9700e-003</b> |               | <b>0.0250</b> | <b>0.0250</b> |                | <b>0.0250</b> | <b>0.0250</b> |          | <b>394.6150</b> | <b>394.6150</b> | <b>7.5600e-003</b> | <b>7.2300e-003</b> | <b>396.9600</b> |

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

**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 |



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

**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        |
| <b>Total</b>          | <b>13.8727</b> | <b>5.8000e-004</b> | <b>0.0637</b> | <b>0.0000</b> |               | <b>2.3000e-004</b> | <b>2.3000e-004</b> |                | <b>2.3000e-004</b> | <b>2.3000e-004</b> |          | <b>0.1366</b> | <b>0.1366</b> | <b>3.6000e-004</b> |     | <b>0.1455</b> |

**Mitigated**

|                       | ROG            | NOx                | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2     | Total CO2     | CH4                | N2O | CO2e          |
|-----------------------|----------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory           | lb/day         |                    |               |               |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |     |               |
| Architectural Coating | 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        |
| <b>Total</b>          | <b>13.8727</b> | <b>5.8000e-004</b> | <b>0.0637</b> | <b>0.0000</b> |               | <b>2.3000e-004</b> | <b>2.3000e-004</b> |                | <b>2.3000e-004</b> | <b>2.3000e-004</b> |          | <b>0.1366</b> | <b>0.1366</b> | <b>3.6000e-004</b> |     | <b>0.1455</b> |

**7.0 Water Detail**

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

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**7.1 Mitigation Measures Water**

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**8.0 Waste Detail****8.1 Mitigation Measures Waste**

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**9.0 Operational Offroad**

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

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**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

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**11.0 Vegetation**

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

**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/MW/hr) | 789.98 | CH4 Intensity (lb/MW/hr) | 0.033 | N2O Intensity (lb/MW/hr) | 0.004 |
|--------------------------|--------|--------------------------|-------|--------------------------|-------|

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

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

## Project Characteristics - Current 2021 Riverside Public Utilities intensity factors

Land Use - 37 acre site  
603,100 sfConstruction Phase - Grading/Primary Road Construction - 3 months  
Building Permit/Building Construction - 12 months

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - Soil would be balanced between Parcel 1 and 2

Grading -

Architectural Coating -

Vehicle Trips - 847 ADT

Trucks - 274 (0.45 trips/ksf)

38.7 mile trip length

Area Coating -

Energy Use -

Water And Wastewater -

Construction Off-road Equipment Mitigation -

Waste Mitigation -

Fleet Mix - Trucks only, mix per TIA

| Table Name           | Column Name | Default Value | New Value |
|----------------------|-------------|---------------|-----------|
| tblConstructionPhase | NumDays     | 30.00         | 18.00     |
| tblConstructionPhase | NumDays     | 75.00         | 47.00     |
| tblConstructionPhase | NumDays     | 740.00        | 243.00    |
| tblConstructionPhase | NumDays     | 55.00         | 111.00    |
| tblConstructionPhase | NumDays     | 55.00         | 18.00     |
| tblFleetMix          | HHD         | 0.03          | 0.37      |
| tblFleetMix          | LDA         | 0.55          | 0.00      |

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

|                           |                    |             |           |
|---------------------------|--------------------|-------------|-----------|
| 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      |
| tblGrading                | MaterialExported   | 0.00        | 40,000.00 |
| tblLandUse                | LotAcreage         | 13.85       | 16.00     |
| tblProjectCharacteristics | CH4IntensityFactor | 0.029       | 0.033     |
| tblProjectCharacteristics | CO2IntensityFactor | 1325.65     | 789.98    |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006       | 0.004     |
| tblTripsAndVMT            | HaulingTripLength  | 20.00       | 1.00      |
| 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      |

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

**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  |         |         |        |               |              |            |                |               |             |          |                 |                 |        |        |                 |
| 2021    | 5.2716  | 57.1807 | 46.3203 | 0.1608 | 18.2675       | 2.0460       | 20.3134    | 9.9840         | 1.8823        | 11.8663     | 0.0000   | 16,356.89<br>43 | 16,356.89<br>43 | 2.1497 | 0.0000 | 16,387.47<br>51 |
| 2022    | 58.2345 | 41.5630 | 50.2561 | 0.1743 | 10.1554       | 0.9947       | 11.1500    | 2.7294         | 0.9401        | 3.6695      | 0.0000   | 17,693.43<br>60 | 17,693.43<br>60 | 1.2394 | 0.0000 | 17,724.42<br>15 |
| Maximum | 58.2345 | 57.1807 | 50.2561 | 0.1743 | 18.2675       | 2.0460       | 20.3134    | 9.9840         | 1.8823        | 11.8663     | 0.0000   | 17,693.43<br>60 | 17,693.43<br>60 | 2.1497 | 0.0000 | 17,724.42<br>15 |

**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  |         |         |        |               |              |            |                |               |             |          |                 |                 |        |        |                 |
| 2021    | 5.2716  | 57.1807 | 46.3203 | 0.1608 | 8.7246        | 2.0460       | 10.3770    | 4.5222         | 1.8823        | 6.4044      | 0.0000   | 16,356.89<br>43 | 16,356.89<br>43 | 2.1497 | 0.0000 | 16,387.47<br>51 |
| 2022    | 58.2345 | 41.5630 | 50.2561 | 0.1743 | 10.1554       | 0.9947       | 11.1500    | 2.7294         | 0.9401        | 3.6695      | 0.0000   | 17,693.43<br>60 | 17,693.43<br>60 | 1.2394 | 0.0000 | 17,724.42<br>15 |
| Maximum | 58.2345 | 57.1807 | 50.2561 | 0.1743 | 10.1554       | 2.0460       | 11.1500    | 4.5222         | 1.8823        | 6.4044      | 0.0000   | 17,693.43<br>60 | 17,693.43<br>60 | 2.1497 | 0.0000 | 17,724.42<br>15 |

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

|                      | ROG  | NOx  | CO   | SO2  | Fugitive<br>PM10 | Exhaust<br>PM10 | PM10<br>Total | Fugitive<br>PM2.5 | Exhaust<br>PM2.5 | PM2.5<br>Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N20  | CO2e |
|----------------------|------|------|------|------|------------------|-----------------|---------------|-------------------|------------------|----------------|----------|----------|-----------|------|------|------|
| Percent<br>Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 33.57            | 0.00            | 31.58         | 42.96             | 0.00             | 35.16          | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

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

**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        |
| <b>Total</b> | <b>15.5237</b> | <b>36.0001</b> | <b>16.8269</b> | <b>0.2485</b> | <b>9.4194</b> | <b>0.1774</b> | <b>9.5967</b> | <b>2.6828</b>  | <b>0.1706</b> | <b>2.8535</b> |          | <b>26,626.0751</b> | <b>26,626.0751</b> | <b>1.0191</b> | <b>7.2300e-003</b> | <b>26,653.7092</b> |

**Mitigated Operational**

|              | ROG            | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O                | CO2e               |
|--------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|--------------------|--------------------|
| Category     | lb/day         |                |                |               |               |               |               |                |               |               | lb/day   |                    |                    |               |                    |                    |
| Area         | 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        |
| <b>Total</b> | <b>15.5237</b> | <b>36.0001</b> | <b>16.8269</b> | <b>0.2485</b> | <b>9.4194</b> | <b>0.1774</b> | <b>9.5967</b> | <b>2.6828</b>  | <b>0.1706</b> | <b>2.8535</b> |          | <b>26,626.0751</b> | <b>26,626.0751</b> | <b>1.0191</b> | <b>7.2300e-003</b> | <b>26,653.7092</b> |



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

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| 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            | Architectural Coatings | Architectural Coating | 1/27/2022  | 6/30/2022 | 5             | 111      |                   |
| 5            | Paving                 | Paving                | 6/7/2022   | 6/30/2022 | 5             | 18       |                   |

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        |
| Paving                 | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                 | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving                 | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Architectural Coatings | Air Compressors           | 1      | 6.00        | 78          | 0.48        |

Trips and VMT

| Phase Name             | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation       | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading                | 8                       | 20.00              | 0.00               | 5,000.00            | 14.70              | 6.90               | 1.00                | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction  | 9                       | 638.00             | 249.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                 | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coatings | 1                       | 128.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

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

**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      | 3.882        | 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        |
| <b>Total</b>  | <b>3.882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> |          | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715.4573</b> |

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

**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        |
| <b>Total</b> | <b>0.0753</b> | <b>0.0491</b> | <b>0.6758</b> | <b>2.0000e-003</b> | <b>0.2012</b> | <b>1.4900e-003</b> | <b>0.2027</b> | <b>0.0534</b>  | <b>1.3700e-003</b> | <b>0.0547</b> |          | <b>199.2417</b> | <b>199.2417</b> | <b>5.3700e-003</b> |     | <b>199.3759</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |                |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 8.1298        | 0.0000        | 8.1298         | 4.4688         | 0.0000        | 4.4688        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |               | 2.0445        | 2.0445         | 1.8809         | 1.8809        | 1.8809        | 0.0000        | 3,685.6569        | 3,685.6569        | 1.1920        |     | 3,715,4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>8.1298</b> | <b>2.0445</b> | <b>10.1743</b> | <b>4.4688</b>  | <b>1.8809</b> | <b>6.3497</b> | <b>0.0000</b> | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715,4573</b> |

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

**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 |        |         |         |        | 8.7696        | 0.0000       | 8.7696     | 3.6111         | 0.0000        | 3.6111      |          |            | 0.0000     |        |     | 0.0000     |
| Off-Road      | 4.1912 | 46.3998 | 30.8785 | 0.0620 |               | 1.9853       | 1.9853     | 1.8265         | 1.8265        | 1.8265      |          | 6,007.0434 | 6,007.0434 | 1.9428 |     | 6,055,6134 |
| Total         | 4.1912 | 46.3998 | 30.8785 | 0.0620 | 8.7696        | 1.9853       | 10.7549    | 3.6111         | 1.8265        | 5.4376      |          | 6,007.0434 | 6,007.0434 | 1.9428 |     | 6,055,6134 |

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**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  | 0.1958 | 10.7263 | 1.3929 | 0.0145      | 0.0950        | 7.8100e-003  | 0.1029     | 0.0262         | 7.4700e-003   | 0.0337      |          | 1,570.6855 | 1,570.6855 | 0.2009      |     | 1,575.7081 |
| 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    | 0.2795 | 10.7809 | 2.1438 | 0.0167      | 0.3186        | 9.4600e-003  | 0.3281     | 0.0855         | 8.9900e-003   | 0.0945      |          | 1,792.0651 | 1,792.0651 | 0.2069      |     | 1,797.2369 |

**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 |        |         |         |        | 3.9463        | 0.0000       | 3.9463     | 1.6250         | 0.0000        | 1.6250      |          |            | 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 | 3.9463        | 1.9853       | 5.9317     | 1.6250         | 1.8265        | 3.4515      | 0.0000   | 6,007.0434 | 6,007.0434 | 1.9428 |     | 6,055.6134 |

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**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  | 0.1958 | 10.7263 | 1.3929 | 0.0145      | 0.0950        | 7.8100e-003  | 0.1029     | 0.0262         | 7.4700e-003   | 0.0337      |          | 1,570.6855 | 1,570.6855 | 0.2009      |     | 1,575.7081 |
| 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    | 0.2795 | 10.7809 | 2.1438 | 0.0167      | 0.3186        | 9.4600e-003  | 0.3281     | 0.0855         | 8.9900e-003   | 0.0945      |          | 1,792.0651 | 1,792.0651 | 0.2069      |     | 1,797.2369 |

**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 |

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**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   | 0.7006 | 23.8461 | 5.7902  | 0.0630 | 1.5933        | 0.0487       | 1.6420     | 0.4587         | 0.0466        | 0.5052      |          | 6,741.5193  | 6,741.5193  | 0.4169 |     | 6,751.9413  |
| Worker   | 2.6701 | 1.7416  | 23.9549 | 0.0709 | 7.1313        | 0.0528       | 7.1841     | 1.8913         | 0.0486        | 1.9399      |          | 7,062.0111  | 7,062.0111  | 0.1903 |     | 7,066.7695  |
| Total    | 3.3706 | 25.5876 | 29.7451 | 0.1339 | 8.7246        | 0.1015       | 8.8261     | 2.3499         | 0.0952        | 2.4451      |          | 13,803.5304 | 13,803.5304 | 0.6072 |     | 13,818.7108 |

**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 |



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**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   | 0.7006 | 23.8461 | 5.7902  | 0.0630 | 1.5933        | 0.0487       | 1.6420     | 0.4587         | 0.0466        | 0.5052      |          | 6,741.519<br>3  | 6,741.519<br>3  | 0.4169 |     | 6,751.941<br>3  |
| Worker   | 2.6701 | 1.7416  | 23.9549 | 0.0709 | 7.1313        | 0.0528       | 7.1841     | 1.8913         | 0.0486        | 1.9399      |          | 7,062.011<br>1  | 7,062.011<br>1  | 0.1903 |     | 7,066.769<br>5  |
| Total    | 3.3706 | 25.5876 | 29.7451 | 0.1339 | 8.7246        | 0.1015       | 8.8261     | 2.3499         | 0.0952        | 2.4451      |          | 13,803.53<br>04 | 13,803.53<br>04 | 0.6072 |     | 13,818.71<br>08 |

**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      |          | 2,554.333<br>6 | 2,554.333<br>6 | 0.6120 |     | 2,569.632<br>2 |
| Total    | 1.7062 | 15.6156 | 16.3634 | 0.0269 |               | 0.8090       | 0.8090     |                | 0.7612        | 0.7612      |          | 2,554.333<br>6 | 2,554.333<br>6 | 0.6120 |     | 2,569.632<br>2 |

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**3.4 Building Construction - 2022****Unmitigated Construction Off-Site**

|          | ROG    | NOx     | CO      | SO <sub>2</sub> | Fugitive PM <sub>10</sub> | Exhaust PM <sub>10</sub> | PM <sub>10</sub> Total | Fugitive PM <sub>2.5</sub> | Exhaust PM <sub>2.5</sub> | PM <sub>2.5</sub> Total | Bio- CO <sub>2</sub> | NBio- CO <sub>2</sub>   | Total CO <sub>2</sub>   | CH <sub>4</sub> | N <sub>2</sub> O | CO <sub>2</sub> e       |
|----------|--------|---------|---------|-----------------|---------------------------|--------------------------|------------------------|----------------------------|---------------------------|-------------------------|----------------------|-------------------------|-------------------------|-----------------|------------------|-------------------------|
| 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   | 0.6574 | 22.6499 | 5.4823  | 0.0624          | 1.5933                    | 0.0424                   | 1.6357                 | 0.4587                     | 0.0405                    | 0.4992                  |                      | 6,682.418 <sub>7</sub>  | 6,682.418 <sub>7</sub>  | 0.4026          |                  | 6,692.482 <sub>6</sub>  |
| Worker   | 2.5049 | 1.5733  | 22.1525 | 0.0683          | 7.1313                    | 0.0513                   | 7.1826                 | 1.8913                     | 0.0472                    | 1.9385                  |                      | 6,809.138 <sub>9</sub>  | 6,809.138 <sub>9</sub>  | 0.1721          |                  | 6,813.440 <sub>6</sub>  |
| Total    | 3.1623 | 24.2233 | 27.6347 | 0.1307          | 8.7246                    | 0.0936                   | 8.8183                 | 2.3499                     | 0.0877                    | 2.4377                  |                      | 13,491.55 <sub>75</sub> | 13,491.55 <sub>75</sub> | 0.5746          |                  | 13,505.92 <sub>33</sub> |

**Mitigated Construction On-Site**

|          | ROG    | NOx     | CO      | SO <sub>2</sub> | Fugitive PM <sub>10</sub> | Exhaust PM <sub>10</sub> | PM <sub>10</sub> Total | Fugitive PM <sub>2.5</sub> | Exhaust PM <sub>2.5</sub> | PM <sub>2.5</sub> Total | Bio- CO <sub>2</sub> | NBio- CO <sub>2</sub>  | Total CO <sub>2</sub>  | CH <sub>4</sub> | N <sub>2</sub> O | CO <sub>2</sub> e      |
|----------|--------|---------|---------|-----------------|---------------------------|--------------------------|------------------------|----------------------------|---------------------------|-------------------------|----------------------|------------------------|------------------------|-----------------|------------------|------------------------|
| 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               | 2,554.333 <sub>6</sub> | 2,554.333 <sub>6</sub> | 0.6120          |                  | 2,569.632 <sub>2</sub> |
| Total    | 1.7062 | 15.6156 | 16.3634 | 0.0269          |                           | 0.8090                   | 0.8090                 |                            | 0.7612                    | 0.7612                  | 0.0000               | 2,554.333 <sub>6</sub> | 2,554.333 <sub>6</sub> | 0.6120          |                  | 2,569.632 <sub>2</sub> |

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**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   | 0.6574 | 22.6499 | 5.4823  | 0.0624 | 1.5933        | 0.0424       | 1.6357     | 0.4587         | 0.0405        | 0.4992      |          | 6,682.418 <sub>7</sub>  | 6,682.418 <sub>7</sub>  | 0.4026 |     | 6,692.482 <sub>6</sub>  |
| Worker   | 2.5049 | 1.5733  | 22.1525 | 0.0683 | 7.1313        | 0.0513       | 7.1826     | 1.8913         | 0.0472        | 1.9385      |          | 6,809.138 <sub>9</sub>  | 6,809.138 <sub>9</sub>  | 0.1721 |     | 6,813.440 <sub>6</sub>  |
| Total    | 3.1623 | 24.2233 | 27.6347 | 0.1307 | 8.7246        | 0.0936       | 8.8183     | 2.3499         | 0.0877        | 2.4377      |          | 13,491.55 <sub>75</sub> | 13,491.55 <sub>75</sub> | 0.5746 |     | 13,505.92 <sub>33</sub> |

**3.5 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 | 52.6589 |        |        |             |               | 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           | 52.8634 | 1.4085 | 1.8136 | 2.9700e-003 |               | 0.0817       | 0.0817     |                | 0.0817        | 0.0817      |          | 281.4481  | 281.4481  | 0.0183 |     | 281.9062 |

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**3.5 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        |
| <b>Total</b> | <b>0.5026</b> | <b>0.3157</b> | <b>4.4444</b> | <b>0.0137</b> | <b>1.4307</b> | <b>0.0103</b> | <b>1.4410</b> | <b>0.3794</b>  | <b>9.4700e-003</b> | <b>0.3889</b> |          | <b>1,366.0968</b> | <b>1,366.0968</b> | <b>0.0345</b> |     | <b>1,366.9599</b> |

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 52.6589        |               |               |                    |               | 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        |
| <b>Total</b>    | <b>52.8634</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |

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**3.5 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      |          | 1,366.096 <sub>8</sub> | 1,366.096 <sub>8</sub> | 0.0345 |     | 1,366.959 <sub>9</sub> |
| Total    | 0.5026 | 0.3157 | 4.4444 | 0.0137 | 1.4307        | 0.0103       | 1.4410     | 0.3794         | 9.4700e-003   | 0.3889      |          | 1,366.096 <sub>8</sub> | 1,366.096 <sub>8</sub> | 0.0345 |     | 1,366.959 <sub>9</sub> |

**3.6 Paving - 2022****Unmitigated Construction On-Site**

|          | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2              | Total CO2              | CH4    | N2O | CO2e                   |
|----------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------------------|------------------------|--------|-----|------------------------|
| Category | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |                        |                        |        |     |                        |
| Off-Road | 1.1028 | 11.1249 | 14.5805 | 0.0228 |               | 0.5679       | 0.5679     |                | 0.5225        | 0.5225      |          | 2,207.660 <sub>3</sub> | 2,207.660 <sub>3</sub> | 0.7140 |     | 2,225.510 <sub>4</sub> |
| 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      |          | 2,207.660 <sub>3</sub> | 2,207.660 <sub>3</sub> | 0.7140 |     | 2,225.510 <sub>4</sub> |

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**3.6 Paving - 2022****Unmitigated Construction Off-Site**

| Category     | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
|              | 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        |
| <b>Total</b> | <b>0.0589</b> | <b>0.0370</b> | <b>0.5208</b> | <b>1.6100e-003</b> | <b>0.1677</b> | <b>1.2100e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1100e-003</b> | <b>0.0456</b> |          | <b>160.0895</b> | <b>160.0895</b> | <b>4.0500e-003</b> |     | <b>160.1906</b> |

**Mitigated Construction On-Site**

| Category     | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2                    | Total CO2                    | CH4           | N2O | CO2e                         |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------------|------------------------------|---------------|-----|------------------------------|
|              | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                              |                              |               |     |                              |
| Off-Road     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |               | 0.5679        | 0.5679        |                | 0.5225        | 0.5225        | 0.0000        | 2,207.660 <sub>3</sub>       | 2,207.660 <sub>3</sub>       | 0.7140        |     | 2,225.510 <sub>4</sub>       |
| Paving       | 3.0567        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                              | 0.0000                       |               |     | 0.0000                       |
| <b>Total</b> | <b>4.1595</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |               | <b>0.5679</b> | <b>0.5679</b> |                | <b>0.5225</b> | <b>0.5225</b> | <b>0.0000</b> | <b>2,207.660<sub>3</sub></b> | <b>2,207.660<sub>3</sub></b> | <b>0.7140</b> |     | <b>2,225.510<sub>4</sub></b> |

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

**3.6 Paving - 2022****Mitigated Construction Off-Site**

|          | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e     |
|----------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|----------|
| Category | lb/day |        |        |             |               |              |            |                |               |             | lb/day   |           |           |             |     |          |
| Hauling  | 0.0000 | 0.0000 | 0.0000 | 0.0000      | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000      |     | 0.0000   |
| Vendor   | 0.0000 | 0.0000 | 0.0000 | 0.0000      | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000      |     | 0.0000   |
| Worker   | 0.0589 | 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 |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

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

|             | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O | CO2e      |
|-------------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|-----------|
| Category    | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |           |           |        |     |           |
| Mitigated   | 1.6148 | 35.6706 | 16.4870 | 0.2465 | 9.4194        | 0.1522       | 9.5715     | 2.6828         | 0.1454        | 2.8282      |          | 26,231.32 | 26,231.32 | 1.0112 |     | 26,256.60 |
|             |        |         |         |        |               |              |            |                |               |             |          | 35        | 35        |        |     | 37        |
| Unmitigated | 1.6148 | 35.6706 | 16.4870 | 0.2465 | 9.4194        | 0.1522       | 9.5715     | 2.6828         | 0.1454        | 2.8282      |          | 26,231.32 | 26,231.32 | 1.0112 |     | 26,256.60 |
|             |        |         |         |        |               |              |            |                |               |             |          | 35        | 35        |        |     | 37        |

## 4.2 Trip Summary Information

| Land Use                         | Average Daily Trip Rate |          |        | Unmitigated Annual VMT | Mitigated Annual VMT |
|----------------------------------|-------------------------|----------|--------|------------------------|----------------------|
|                                  | Weekday                 | Saturday | Sunday |                        |                      |
| 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

| Land Use                    | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|-----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                             | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| 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



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

| 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 |        |        |             |               |              |            |                |               |             |          |           |           |             |             |          |
| NaturalGas Mitigated   | 0.0362 | 0.3289 | 0.2762 | 1.9700e-003 | 0.0250        | 0.0250       | 0.0250     | 0.0250         | 0.0250        | 0.0250      | 394.6150 | 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         | 0.0250        | 0.0250      | 394.6150 | 394.6150  | 394.6150  | 7.5600e-003 | 7.2300e-003 | 396.9600 |

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**5.2 Energy by Land Use - NaturalGas****Unmitigated**

| Land Use                         | 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            |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
|                                  | kBTU/yr        |               |               |               |                    |               |               |               |                |               |               |          |                 |                 |                    |                    |                 |
| 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        |
| <b>Total</b>                     |                | <b>0.0362</b> | <b>0.3289</b> | <b>0.2762</b> | <b>1.9700e-003</b> |               | <b>0.0250</b> | <b>0.0250</b> |                | <b>0.0250</b> | <b>0.0250</b> |          | <b>394.6150</b> | <b>394.6150</b> | <b>7.5600e-003</b> | <b>7.2300e-003</b> | <b>396.9600</b> |

**Mitigated**

| Land Use                         | 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            |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
|                                  | kBTU/yr        |               |               |               |                    |               |               |               |                |               |               |          |                 |                 |                    |                    |                 |
| 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        |
| <b>Total</b>                     |                | <b>0.0362</b> | <b>0.3289</b> | <b>0.2762</b> | <b>1.9700e-003</b> |               | <b>0.0250</b> | <b>0.0250</b> |                | <b>0.0250</b> | <b>0.0250</b> |          | <b>394.6150</b> | <b>394.6150</b> | <b>7.5600e-003</b> | <b>7.2300e-003</b> | <b>396.9600</b> |

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**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 |

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**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        |
| <b>Total</b>          | <b>13.8727</b> | <b>5.8000e-004</b> | <b>0.0637</b> | <b>0.0000</b> |               | <b>2.3000e-004</b> | <b>2.3000e-004</b> |                | <b>2.3000e-004</b> | <b>2.3000e-004</b> |          | <b>0.1366</b> | <b>0.1366</b> | <b>3.6000e-004</b> |     | <b>0.1455</b> |

**Mitigated**

|                       | ROG            | NOx                | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2     | Total CO2     | CH4                | N2O | CO2e          |
|-----------------------|----------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory           | lb/day         |                    |               |               |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |     |               |
| Architectural Coating | 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        |
| <b>Total</b>          | <b>13.8727</b> | <b>5.8000e-004</b> | <b>0.0637</b> | <b>0.0000</b> |               | <b>2.3000e-004</b> | <b>2.3000e-004</b> |                | <b>2.3000e-004</b> | <b>2.3000e-004</b> |          | <b>0.1366</b> | <b>0.1366</b> | <b>3.6000e-004</b> |     | <b>0.1455</b> |

**7.0 Water Detail**

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

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**7.1 Mitigation Measures Water**

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**8.0 Waste Detail****8.1 Mitigation Measures Waste**

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**9.0 Operational Offroad**

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

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**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

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**11.0 Vegetation**

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

**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/MW/hr) | 789.98 | CH4 Intensity (lb/MW/hr) | 0.033 | N2O Intensity (lb/MW/hr) | 0.004 |
|--------------------------|--------|--------------------------|-------|--------------------------|-------|

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

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

## Project Characteristics - Current 2021 Riverside Public Utilities intensity factors

Land Use - 37 acre site  
603,100 sf

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

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - Soil would be balanced between Parcel 1 and 2

Grading -

Architectural Coating -

Vehicle Trips - 847 ADT

Passenger cars - 573 (0.95 trips/kfsf)

24.2 mile trip length

Area Coating -

Energy Use -

Water And Wastewater -

Construction Off-road Equipment Mitigation -

Waste Mitigation -

Fleet Mix - Employee cars (light and medium duty) only

| Table Name           | Column Name | Default Value | New Value |
|----------------------|-------------|---------------|-----------|
| tblConstructionPhase | NumDays     | 30.00         | 18.00     |
| tblConstructionPhase | NumDays     | 75.00         | 47.00     |
| tblConstructionPhase | NumDays     | 740.00        | 243.00    |
| tblConstructionPhase | NumDays     | 55.00         | 111.00    |
| tblConstructionPhase | NumDays     | 55.00         | 18.00     |
| tblFleetMix          | HHD         | 0.03          | 0.00      |
| tblFleetMix          | LDA         | 0.55          | 0.60      |

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

|                           |                    |             |             |
|---------------------------|--------------------|-------------|-------------|
| tblFleetMix               | LDT1               | 0.04        | 0.05        |
| tblFleetMix               | LDT2               | 0.20        | 0.22        |
| tblFleetMix               | LHD1               | 0.02        | 0.00        |
| tblFleetMix               | LHD2               | 5.8470e-003 | 0.00        |
| tblFleetMix               | MCY                | 4.8220e-003 | 5.1750e-003 |
| tblFleetMix               | MDV                | 0.12        | 0.13        |
| 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        |
| tblGrading                | MaterialExported   | 0.00        | 40,000.00   |
| tblLandUse                | LotAcreage         | 13.85       | 16.00       |
| tblProjectCharacteristics | CH4IntensityFactor | 0.029       | 0.033       |
| tblProjectCharacteristics | CO2IntensityFactor | 1325.65     | 789.98      |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006       | 0.004       |
| tblTripsAndVMT            | HaulingTripLength  | 20.00       | 1.00        |
| 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        |

## 2.0 Emissions Summary



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

**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    | 5.5792  | 56.8494 | 44.6950 | 0.1547 | 18.2675       | 2.0460       | 20.3134    | 9.9840         | 1.8823        | 11.8663     | 0.0000   | 15,734.7754 | 15,734.7754 | 2.1728 | 0.0000 | 15,765.7674 |
| 2022    | 58.5830 | 41.6784 | 48.3054 | 0.1675 | 10.1554       | 0.9960       | 11.1514    | 2.7294         | 0.9414        | 3.6708      | 0.0000   | 17,002.7301 | 17,002.7301 | 1.2533 | 0.0000 | 17,034.0635 |
| Maximum | 58.5830 | 56.8494 | 48.3054 | 0.1675 | 18.2675       | 2.0460       | 20.3134    | 9.9840         | 1.8823        | 11.8663     | 0.0000   | 17,002.7301 | 17,002.7301 | 2.1728 | 0.0000 | 17,034.0635 |

**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    | 5.5792  | 56.8494 | 44.6950 | 0.1547 | 8.7246        | 2.0460       | 10.3770    | 4.5222         | 1.8823        | 6.4044      | 0.0000   | 15,734.7754 | 15,734.7754 | 2.1728 | 0.0000 | 15,765.7674 |
| 2022    | 58.5830 | 41.6784 | 48.3054 | 0.1675 | 10.1554       | 0.9960       | 11.1514    | 2.7294         | 0.9414        | 3.6708      | 0.0000   | 17,002.7301 | 17,002.7301 | 1.2533 | 0.0000 | 17,034.0635 |
| Maximum | 58.5830 | 56.8494 | 48.3054 | 0.1675 | 10.1554       | 2.0460       | 11.1514    | 4.5222         | 1.8823        | 6.4044      | 0.0000   | 17,002.7301 | 17,002.7301 | 2.1728 | 0.0000 | 17,034.0635 |

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 33.57         | 0.00         | 31.58      | 42.96          | 0.00          | 35.15       | 0.00     | 0.00      | 0.00      | 0.00 | 0.00 | 0.00 |

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

**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       | 1.2550         | 2.0520        | 24.3709        | 0.0877        | 9.8196        | 0.0611        | 9.8807        | 2.6025         | 0.0562        | 2.6587        |          | 8,747.9432        | 8,747.9432        | 0.2492        |                    | 8,754.1732        |
| <b>Total</b> | <b>15.1638</b> | <b>2.3814</b> | <b>24.7109</b> | <b>0.0897</b> | <b>9.8196</b> | <b>0.0863</b> | <b>9.9059</b> | <b>2.6025</b>  | <b>0.0815</b> | <b>2.6839</b> |          | <b>9,142.6948</b> | <b>9,142.6948</b> | <b>0.2571</b> | <b>7.2300e-003</b> | <b>9,151.2787</b> |

**Mitigated Operational**

|              | ROG            | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O                | CO2e              |
|--------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|--------------------|-------------------|
| Category     | lb/day         |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |                    |                   |
| Area         | 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       | 1.2550         | 2.0520        | 24.3709        | 0.0877        | 9.8196        | 0.0611        | 9.8807        | 2.6025         | 0.0562        | 2.6587        |          | 8,747.9432        | 8,747.9432        | 0.2492        |                    | 8,754.1732        |
| <b>Total</b> | <b>15.1638</b> | <b>2.3814</b> | <b>24.7109</b> | <b>0.0897</b> | <b>9.8196</b> | <b>0.0863</b> | <b>9.9059</b> | <b>2.6025</b>  | <b>0.0815</b> | <b>2.6839</b> |          | <b>9,142.6948</b> | <b>9,142.6948</b> | <b>0.2571</b> | <b>7.2300e-003</b> | <b>9,151.2787</b> |

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

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| 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            | Architectural Coatings | Architectural Coating | 1/27/2022  | 6/30/2022 | 5             | 111      |                   |
| 5            | Paving                 | Paving                | 6/7/2022   | 6/30/2022 | 5             | 18       |                   |

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        |
| Paving                 | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                 | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving                 | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Architectural Coatings | Air Compressors           | 1      | 6.00        | 78          | 0.48        |

Trips and VMT

| Phase Name             | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation       | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading                | 8                       | 20.00              | 0.00               | 5,000.00            | 14.70              | 6.90               | 1.00                | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction  | 9                       | 638.00             | 249.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                 | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coatings | 1                       | 128.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

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

**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        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> |          | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715.4573</b> |

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

**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        |
| <b>Total</b> | <b>0.0830</b> | <b>0.0540</b> | <b>0.6118</b> | <b>1.8800e-003</b> | <b>0.2012</b> | <b>1.4900e-003</b> | <b>0.2027</b> | <b>0.0534</b>  | <b>1.3700e-003</b> | <b>0.0547</b> |          | <b>186.8672</b> | <b>186.8672</b> | <b>5.0300e-003</b> |     | <b>186.9929</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |                |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 8.1298        | 0.0000        | 8.1298         | 4.4688         | 0.0000        | 4.4688        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |               | 2.0445        | 2.0445         | 1.8809         | 1.8809        | 1.8809        | 0.0000        | 3.685.6569        | 3.685.6569        | 1.1920        |     | 3,715,4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>8.1298</b> | <b>2.0445</b> | <b>10.1743</b> | <b>4.4688</b>  | <b>1.8809</b> | <b>6.3497</b> | <b>0.0000</b> | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715,4573</b> |

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

**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        |
| <b>Total</b> | <b>0.0830</b> | <b>0.0540</b> | <b>0.6118</b> | <b>1.8800e-003</b> | <b>0.2012</b> | <b>1.4900e-003</b> | <b>0.2027</b> | <b>0.0534</b>  | <b>1.3700e-003</b> | <b>0.0547</b> |          | <b>186.8672</b> | <b>186.8672</b> | <b>5.0300e-003</b> |     | <b>186.9929</b> |

**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 |               |                |                |               | 8.7696        | 0.0000        | 8.7696         | 3.6111         | 0.0000        | 3.6111        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 4.1912        | 46.3998        | 30.8785        | 0.0620        |               | 1.9853        | 1.9853         | 1.8265         | 1.8265        | 1.8265        |          | 6,007.0434        | 6,007.0434        | 1.9428        |     | 6,055.6134        |
| <b>Total</b>  | <b>4.1912</b> | <b>46.3998</b> | <b>30.8785</b> | <b>0.0620</b> | <b>8.7696</b> | <b>1.9853</b> | <b>10.7549</b> | <b>3.6111</b>  | <b>1.8265</b> | <b>5.4376</b> |          | <b>6,007.0434</b> | <b>6,007.0434</b> | <b>1.9428</b> |     | <b>6,055.6134</b> |

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

**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      | 0.2169        | 10.3896        | 1.8208        | 0.0131        | 0.0950        | 9.1000e-003   | 0.1041        | 0.0262         | 8.7000e-003   | 0.0349        |          | 1,418.482 <sub>7</sub>       | 1,418.482 <sub>7</sub>       | 0.2245        |     | 1,424.093 <sub>8</sub>       |
| 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                     |
| <b>Total</b> | <b>0.3091</b> | <b>10.4496</b> | <b>2.5005</b> | <b>0.0152</b> | <b>0.3186</b> | <b>0.0108</b> | <b>0.3294</b> | <b>0.0855</b>  | <b>0.0102</b> | <b>0.0958</b> |          | <b>1,626.112<sub>9</sub></b> | <b>1,626.112<sub>9</sub></b> | <b>0.2300</b> |     | <b>1,631.863<sub>7</sub></b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2                    | Total CO2                    | CH4           | N2O | CO2e                         |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------------|------------------------------|---------------|-----|------------------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                              |                              |               |     |                              |
| Fugitive Dust |               |                |                |               | 3.9463        | 0.0000        | 3.9463        | 1.6250         | 0.0000        | 1.6250        |               |                              | 0.0000                       |               |     | 0.0000                       |
| Off-Road      | 4.1912        | 46.3998        | 30.8785        | 0.0620        |               | 1.9853        | 1.9853        |                | 1.8265        | 1.8265        | 0.0000        | 6,007.043 <sub>4</sub>       | 6,007.043 <sub>4</sub>       | 1.9428        |     | 6,055.613 <sub>4</sub>       |
| <b>Total</b>  | <b>4.1912</b> | <b>46.3998</b> | <b>30.8785</b> | <b>0.0620</b> | <b>3.9463</b> | <b>1.9853</b> | <b>5.9317</b> | <b>1.6250</b>  | <b>1.8265</b> | <b>3.4515</b> | <b>0.0000</b> | <b>6,007.043<sub>4</sub></b> | <b>6,007.043<sub>4</sub></b> | <b>1.9428</b> |     | <b>6,055.613<sub>4</sub></b> |



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

**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  | 0.2169 | 10.3896 | 1.8208 | 0.0131      | 0.0950        | 9.1000e-003  | 0.1041     | 0.0262         | 8.7000e-003   | 0.0349      |          | 1,418.482 <sub>7</sub> | 1,418.482 <sub>7</sub> | 0.2245      |     | 1,424.093 <sub>8</sub> |
| 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    | 0.3091 | 10.4496 | 2.5005 | 0.0152      | 0.3186        | 0.0108       | 0.3294     | 0.0855         | 0.0102        | 0.0958      |          | 1,626.112 <sub>9</sub> | 1,626.112 <sub>9</sub> | 0.2300      |     | 1,631.863 <sub>7</sub> |

**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      |          | 2,553.363 <sub>9</sub> | 2,553.363 <sub>9</sub> | 0.6160 |     | 2,568.764 <sub>3</sub> |
| Total    | 1.9009 | 17.4321 | 16.5752 | 0.0269 |               | 0.9586       | 0.9586     |                | 0.9013        | 0.9013      |          | 2,553.363 <sub>9</sub> | 2,553.363 <sub>9</sub> | 0.6160 |     | 2,568.764 <sub>3</sub> |

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**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   | 0.7360 | 23.7899 | 6.4363  | 0.0613 | 1.5933        | 0.0502       | 1.6435     | 0.4587         | 0.0480        | 0.5067      |          | 6,558.007<br>2  | 6,558.007<br>2  | 0.4455 |     | 6,569.145<br>3  |
| Worker   | 2.9423 | 1.9126  | 21.6835 | 0.0665 | 7.1313        | 0.0528       | 7.1841     | 1.8913         | 0.0486        | 1.9399      |          | 6,623.404<br>4  | 6,623.404<br>4  | 0.1781 |     | 6,627.857<br>8  |
| Total    | 3.6782 | 25.7025 | 28.1198 | 0.1278 | 8.7246        | 0.1030       | 8.8276     | 2.3499         | 0.0966        | 2.4466      |          | 13,181.41<br>15 | 13,181.41<br>15 | 0.6237 |     | 13,197.00<br>31 |

**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   | 2,553.363<br>9 | 2,553.363<br>9 | 0.6160 |     | 2,568.764<br>3 |
| Total    | 1.9009 | 17.4321 | 16.5752 | 0.0269 |               | 0.9586       | 0.9586     |                | 0.9013        | 0.9013      | 0.0000   | 2,553.363<br>9 | 2,553.363<br>9 | 0.6160 |     | 2,568.764<br>3 |

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**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   | 0.7360 | 23.7899 | 6.4363  | 0.0613 | 1.5933        | 0.0502       | 1.6435     | 0.4587         | 0.0480        | 0.5067      |          | 6,558.007<br>2  | 6,558.007<br>2  | 0.4455 |     | 6,569.145<br>3  |
| Worker   | 2.9423 | 1.9126  | 21.6835 | 0.0665 | 7.1313        | 0.0528       | 7.1841     | 1.8913         | 0.0486        | 1.9399      |          | 6,623.404<br>4  | 6,623.404<br>4  | 0.1781 |     | 6,627.857<br>8  |
| Total    | 3.6782 | 25.7025 | 28.1198 | 0.1278 | 8.7246        | 0.1030       | 8.8276     | 2.3499         | 0.0966        | 2.4466      |          | 13,181.41<br>15 | 13,181.41<br>15 | 0.6237 |     | 13,197.00<br>31 |

**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      |          | 2,554.333<br>6 | 2,554.333<br>6 | 0.6120 |     | 2,569.632<br>2 |
| Total    | 1.7062 | 15.6156 | 16.3634 | 0.0269 |               | 0.8090       | 0.8090     |                | 0.7612        | 0.7612      |          | 2,554.333<br>6 | 2,554.333<br>6 | 0.6120 |     | 2,569.632<br>2 |

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**3.4 Building Construction - 2022****Unmitigated Construction Off-Site**

|          | ROG    | NOx     | CO      | SO <sub>2</sub> | Fugitive PM <sub>10</sub> | Exhaust PM <sub>10</sub> | PM <sub>10</sub> Total | Fugitive PM <sub>2.5</sub> | Exhaust PM <sub>2.5</sub> | PM <sub>2.5</sub> Total | Bio- CO <sub>2</sub> | NBio- CO <sub>2</sub> | Total CO <sub>2</sub> | CH <sub>4</sub> | N <sub>2</sub> O | CO <sub>2</sub> e |
|----------|--------|---------|---------|-----------------|---------------------------|--------------------------|------------------------|----------------------------|---------------------------|-------------------------|----------------------|-----------------------|-----------------------|-----------------|------------------|-------------------|
| 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   | 0.6909 | 22.5803 | 6.0961  | 0.0607          | 1.5933                    | 0.0437                   | 1.6370                 | 0.4587                     | 0.0418                    | 0.5005                  |                      | 6,499.450<br>5        | 6,499.450<br>5        | 0.4299          |                  | 6,510.197<br>7    |
| Worker   | 2.7673 | 1.7274  | 20.0165 | 0.0641          | 7.1313                    | 0.0513                   | 7.1826                 | 1.8913                     | 0.0472                    | 1.9385                  |                      | 6,386.245<br>0        | 6,386.245<br>0        | 0.1609          |                  | 6,390.267<br>5    |
| Total    | 3.4581 | 24.3078 | 26.1126 | 0.1248          | 8.7246                    | 0.0950                   | 8.8196                 | 2.3499                     | 0.0890                    | 2.4390                  |                      | 12,885.69<br>55       | 12,885.69<br>55       | 0.5908          |                  | 12,900.46<br>52   |

**Mitigated Construction On-Site**

|          | ROG    | NOx     | CO      | SO <sub>2</sub> | Fugitive PM <sub>10</sub> | Exhaust PM <sub>10</sub> | PM <sub>10</sub> Total | Fugitive PM <sub>2.5</sub> | Exhaust PM <sub>2.5</sub> | PM <sub>2.5</sub> Total | Bio- CO <sub>2</sub> | NBio- CO <sub>2</sub> | Total CO <sub>2</sub> | CH <sub>4</sub> | N <sub>2</sub> O | CO <sub>2</sub> e |
|----------|--------|---------|---------|-----------------|---------------------------|--------------------------|------------------------|----------------------------|---------------------------|-------------------------|----------------------|-----------------------|-----------------------|-----------------|------------------|-------------------|
| 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               | 2,554.333<br>6        | 2,554.333<br>6        | 0.6120          |                  | 2,569.632<br>2    |
| Total    | 1.7062 | 15.6156 | 16.3634 | 0.0269          |                           | 0.8090                   | 0.8090                 |                            | 0.7612                    | 0.7612                  | 0.0000               | 2,554.333<br>6        | 2,554.333<br>6        | 0.6120          |                  | 2,569.632<br>2    |

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**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   | 0.6909 | 22.5803 | 6.0961  | 0.0607 | 1.5933        | 0.0437       | 1.6370     | 0.4587         | 0.0418        | 0.5005      |          | 6,499.4505  | 6,499.4505  | 0.4299 |     | 6,510.1977  |
| Worker   | 2.7673 | 1.7274  | 20.0165 | 0.0641 | 7.1313        | 0.0513       | 7.1826     | 1.8913         | 0.0472        | 1.9385      |          | 6,386.2450  | 6,386.2450  | 0.1609 |     | 6,390.2675  |
| Total    | 3.4581 | 24.3078 | 26.1126 | 0.1248 | 8.7246        | 0.0950       | 8.8196     | 2.3499         | 0.0890        | 2.4390      |          | 12,885.6955 | 12,885.6955 | 0.5908 |     | 12,900.4652 |

**3.5 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 | 52.6589 |        |        |             |               | 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           | 52.8634 | 1.4085 | 1.8136 | 2.9700e-003 |               | 0.0817       | 0.0817     |                | 0.0817        | 0.0817      |          | 281.4481  | 281.4481  | 0.0183 |     | 281.9062 |

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**3.5 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        |          | 1,281.252 <sub>9</sub>       | 1,281.252 <sub>9</sub>       | 0.0323        |     | 1,282.059 <sub>9</sub>       |
| <b>Total</b> | <b>0.5552</b> | <b>0.3466</b> | <b>4.0159</b> | <b>0.0129</b> | <b>1.4307</b> | <b>0.0103</b> | <b>1.4410</b> | <b>0.3794</b>  | <b>9.4700e-003</b> | <b>0.3889</b> |          | <b>1,281.252<sub>9</sub></b> | <b>1,281.252<sub>9</sub></b> | <b>0.0323</b> |     | <b>1,282.059<sub>9</sub></b> |

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 52.6589        |               |               |                    |               | 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        | 0.0817        | 0.0000        | 281.4481        | 281.4481        | 0.0183        |     | 281.9062        |
| <b>Total</b>    | <b>52.8634</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |

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**3.5 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      |          | 1,281.252 <sub>9</sub> | 1,281.252 <sub>9</sub> | 0.0323 |     | 1,282.059 <sub>9</sub> |
| Total    | 0.5552 | 0.3466 | 4.0159 | 0.0129 | 1.4307        | 0.0103       | 1.4410     | 0.3794         | 9.4700e-003   | 0.3889      |          | 1,281.252 <sub>9</sub> | 1,281.252 <sub>9</sub> | 0.0323 |     | 1,282.059 <sub>9</sub> |

**3.6 Paving - 2022****Unmitigated Construction On-Site**

|          | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2              | Total CO2              | CH4    | N2O | CO2e                   |
|----------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------------------|------------------------|--------|-----|------------------------|
| Category | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |                        |                        |        |     |                        |
| Off-Road | 1.1028 | 11.1249 | 14.5805 | 0.0228 |               | 0.5679       | 0.5679     |                | 0.5225        | 0.5225      |          | 2,207.660 <sub>3</sub> | 2,207.660 <sub>3</sub> | 0.7140 |     | 2,225.510 <sub>4</sub> |
| 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      |          | 2,207.660 <sub>3</sub> | 2,207.660 <sub>3</sub> | 0.7140 |     | 2,225.510 <sub>4</sub> |

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

**3.6 Paving - 2022****Unmitigated Construction Off-Site**

| Category     | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
|              | 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        |
| <b>Total</b> | <b>0.0651</b> | <b>0.0406</b> | <b>0.4706</b> | <b>1.5100e-003</b> | <b>0.1677</b> | <b>1.2100e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1100e-003</b> | <b>0.0456</b> |          | <b>150.1468</b> | <b>150.1468</b> | <b>3.7800e-003</b> |     | <b>150.2414</b> |

**Mitigated Construction On-Site**

| Category     | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2                    | Total CO2                    | CH4           | N2O | CO2e                         |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------------|------------------------------|---------------|-----|------------------------------|
|              | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                              |                              |               |     |                              |
| Off-Road     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |               | 0.5679        | 0.5679        |                | 0.5225        | 0.5225        | 0.0000        | 2,207.660 <sub>3</sub>       | 2,207.660 <sub>3</sub>       | 0.7140        |     | 2,225.510 <sub>4</sub>       |
| Paving       | 3.0567        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                              | 0.0000                       |               |     | 0.0000                       |
| <b>Total</b> | <b>4.1595</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |               | <b>0.5679</b> | <b>0.5679</b> |                | <b>0.5225</b> | <b>0.5225</b> | <b>0.0000</b> | <b>2,207.660<sub>3</sub></b> | <b>2,207.660<sub>3</sub></b> | <b>0.7140</b> |     | <b>2,225.510<sub>4</sub></b> |



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

**3.6 Paving - 2022****Mitigated Construction Off-Site**

|          | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e     |
|----------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|----------|
| Category | lb/day |        |        |             |               |              |            |                |               |             | lb/day   |           |           |             |     |          |
| Hauling  | 0.0000 | 0.0000 | 0.0000 | 0.0000      | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000      |     | 0.0000   |
| Vendor   | 0.0000 | 0.0000 | 0.0000 | 0.0000      | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000      |     | 0.0000   |
| Worker   | 0.0651 | 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 |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

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

|             | ROG    | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2      | Total CO2      | CH4    | N2O | CO2e           |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------------|----------------|--------|-----|----------------|
| Category    | lb/day |        |         |        |               |              |            |                |               |             | lb/day   |                |                |        |     |                |
| Mitigated   | 1.2550 | 2.0520 | 24.3709 | 0.0877 | 9.8196        | 0.0611       | 9.8807     | 2.6025         | 0.0562        | 2.6587      |          | 8,747.943<br>2 | 8,747.943<br>2 | 0.2492 |     | 8,754.173<br>2 |
| Unmitigated | 1.2550 | 2.0520 | 24.3709 | 0.0877 | 9.8196        | 0.0611       | 9.8807     | 2.6025         | 0.0562        | 2.6587      |          | 8,747.943<br>2 | 8,747.943<br>2 | 0.2492 |     | 8,754.173<br>2 |

## 4.2 Trip Summary Information

| Land Use                         | Average Daily Trip Rate |          |        | Unmitigated |            | Mitigated  |            |
|----------------------------------|-------------------------|----------|--------|-------------|------------|------------|------------|
|                                  | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT | 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  |            | 4,706,914  |
| Total                            | 572.95                  | 572.95   | 572.95 | 4,706,914   | 4,706,914  |            | 4,706,914  |

## 4.3 Trip Type Information

| Land Use                    | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|-----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                             | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| 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

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

| 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 | 0.598766 | 0.047129 | 0.218324 | 0.130606 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.005175 | 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 |        |        |             |               |              |            |                |               |             |          |           |           |             |             |          |
| NaturalGas Mitigated   | 0.0362 | 0.3289 | 0.2762 | 1.9700e-003 | 0.0250        | 0.0250       | 0.0250     | 0.0250         | 0.0250        | 0.0250      | 394.6150 | 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         | 0.0250        | 0.0250      | 394.6150 | 394.6150  | 394.6150  | 7.5600e-003 | 7.2300e-003 | 396.9600 |

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

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

| Land Use                         | 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            |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
|                                  | kBTU/yr        |               |               |               |                    |               |               |               |                |               |               |          |                 |                 |                    |                    |                 |
| 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        |
| <b>Total</b>                     |                | <b>0.0362</b> | <b>0.3289</b> | <b>0.2762</b> | <b>1.9700e-003</b> |               | <b>0.0250</b> | <b>0.0250</b> |                | <b>0.0250</b> | <b>0.0250</b> |          | <b>394.6150</b> | <b>394.6150</b> | <b>7.5600e-003</b> | <b>7.2300e-003</b> | <b>396.9600</b> |

**Mitigated**

| Land Use                         | 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            |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
|                                  | kBTU/yr        |               |               |               |                    |               |               |               |                |               |               |          |                 |                 |                    |                    |                 |
| 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        |
| <b>Total</b>                     |                | <b>0.0362</b> | <b>0.3289</b> | <b>0.2762</b> | <b>1.9700e-003</b> |               | <b>0.0250</b> | <b>0.0250</b> |                | <b>0.0250</b> | <b>0.0250</b> |          | <b>394.6150</b> | <b>394.6150</b> | <b>7.5600e-003</b> | <b>7.2300e-003</b> | <b>396.9600</b> |

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

**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 |

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

**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        |
| <b>Total</b>          | <b>13.8727</b> | <b>5.8000e-004</b> | <b>0.0637</b> | <b>0.0000</b> |               | <b>2.3000e-004</b> | <b>2.3000e-004</b> |                | <b>2.3000e-004</b> | <b>2.3000e-004</b> |          | <b>0.1366</b> | <b>0.1366</b> | <b>3.6000e-004</b> |     | <b>0.1455</b> |

**Mitigated**

|                       | ROG            | NOx                | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2     | Total CO2     | CH4                | N2O | CO2e          |
|-----------------------|----------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory           | lb/day         |                    |               |               |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |     |               |
| Architectural Coating | 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        |
| <b>Total</b>          | <b>13.8727</b> | <b>5.8000e-004</b> | <b>0.0637</b> | <b>0.0000</b> |               | <b>2.3000e-004</b> | <b>2.3000e-004</b> |                | <b>2.3000e-004</b> | <b>2.3000e-004</b> |          | <b>0.1366</b> | <b>0.1366</b> | <b>3.6000e-004</b> |     | <b>0.1455</b> |

**7.0 Water Detail**

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

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**7.1 Mitigation Measures Water**

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**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

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**9.0 Operational Offroad**

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

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**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

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**11.0 Vegetation**

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

**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/MW/hr) | 789.98 | CH4 Intensity (lb/MW/hr) | 0.033 | N2O Intensity (lb/MW/hr) | 0.004 |
|--------------------------|--------|--------------------------|-------|--------------------------|-------|

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



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

Project Characteristics - Current 2021 Riverside Public Utilities intensity factors

Land Use - 37 acre site  
603,100 sfConstruction Phase - Grading/Primary Road Construction - 3 months  
Building Permit/Building Construction - 12 months

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - Soil would be balanced between Parcel 1 and 2

Grading -

Architectural Coating -

Vehicle Trips - 847 ADT

Trucks - 274 (0.45 trips/ksf)

38.7 mile trip length

Area Coating -

Energy Use -

Water And Wastewater -

Construction Off-road Equipment Mitigation -

Waste Mitigation -

Fleet Mix - Trucks only, mix per TIA

| Table Name           | Column Name | Default Value | New Value |
|----------------------|-------------|---------------|-----------|
| tblConstructionPhase | NumDays     | 30.00         | 18.00     |
| tblConstructionPhase | NumDays     | 75.00         | 47.00     |
| tblConstructionPhase | NumDays     | 740.00        | 243.00    |
| tblConstructionPhase | NumDays     | 55.00         | 111.00    |
| tblConstructionPhase | NumDays     | 55.00         | 18.00     |
| tblFleetMix          | HHD         | 0.03          | 0.37      |
| tblFleetMix          | LDA         | 0.55          | 0.00      |

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

|                           |                    |             |           |
|---------------------------|--------------------|-------------|-----------|
| 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      |
| tblGrading                | MaterialExported   | 0.00        | 40,000.00 |
| tblLandUse                | LotAcreage         | 13.85       | 16.00     |
| tblProjectCharacteristics | CH4IntensityFactor | 0.029       | 0.033     |
| tblProjectCharacteristics | CO2IntensityFactor | 1325.65     | 789.98    |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006       | 0.004     |
| tblTripsAndVMT            | HaulingTripLength  | 20.00       | 1.00      |
| 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      |

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

**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  |         |         |        |               |              |            |                |               |             |          |           |           |        |        |           |
| 2021    | 5.5792  | 56.8494 | 44.6950 | 0.1547 | 18.2675       | 2.0460       | 20.3134    | 9.9840         | 1.8823        | 11.8663     | 0.0000   | 15,734.77 | 15,734.77 | 2.1728 | 0.0000 | 15,765.76 |
|         |         |         |         |        |               |              |            |                |               |             |          | 54        | 54        |        |        | 74        |
| 2022    | 58.5830 | 41.6784 | 48.3054 | 0.1675 | 10.1554       | 0.9960       | 11.1514    | 2.7294         | 0.9414        | 3.6708      | 0.0000   | 17,002.73 | 17,002.73 | 1.2533 | 0.0000 | 17,034.06 |
|         |         |         |         |        |               |              |            |                |               |             |          | 01        | 01        |        |        | 35        |
| Maximum | 58.5830 | 56.8494 | 48.3054 | 0.1675 | 18.2675       | 2.0460       | 20.3134    | 9.9840         | 1.8823        | 11.8663     | 0.0000   | 17,002.73 | 17,002.73 | 2.1728 | 0.0000 | 17,034.06 |
|         |         |         |         |        |               |              |            |                |               |             |          | 01        | 01        |        |        | 35        |

**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  |         |         |        |               |              |            |                |               |             |          |           |           |        |        |           |
| 2021    | 5.5792  | 56.8494 | 44.6950 | 0.1547 | 8.7246        | 2.0460       | 10.3770    | 4.5222         | 1.8823        | 6.4044      | 0.0000   | 15,734.77 | 15,734.77 | 2.1728 | 0.0000 | 15,765.76 |
|         |         |         |         |        |               |              |            |                |               |             |          | 54        | 54        |        |        | 74        |
| 2022    | 58.5830 | 41.6784 | 48.3054 | 0.1675 | 10.1554       | 0.9960       | 11.1514    | 2.7294         | 0.9414        | 3.6708      | 0.0000   | 17,002.73 | 17,002.73 | 1.2533 | 0.0000 | 17,034.06 |
|         |         |         |         |        |               |              |            |                |               |             |          | 01        | 01        |        |        | 35        |
| Maximum | 58.5830 | 56.8494 | 48.3054 | 0.1675 | 10.1554       | 2.0460       | 11.1514    | 4.5222         | 1.8823        | 6.4044      | 0.0000   | 17,002.73 | 17,002.73 | 2.1728 | 0.0000 | 17,034.06 |
|         |         |         |         |        |               |              |            |                |               |             |          | 01        | 01        |        |        | 35        |

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

|                      | ROG  | NOx  | CO   | SO2  | Fugitive<br>PM10 | Exhaust<br>PM10 | PM10<br>Total | Fugitive<br>PM2.5 | Exhaust<br>PM2.5 | PM2.5<br>Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N20  | CO2e |
|----------------------|------|------|------|------|------------------|-----------------|---------------|-------------------|------------------|----------------|----------|----------|-----------|------|------|------|
| Percent<br>Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 33.57            | 0.00            | 31.58         | 42.96             | 0.00             | 35.15          | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

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

**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        |
| <b>Total</b> | <b>15.5419</b> | <b>36.8755</b> | <b>17.0523</b> | <b>0.2472</b> | <b>9.4194</b> | <b>0.1782</b> | <b>9.5975</b> | <b>2.6828</b>  | <b>0.1714</b> | <b>2.8542</b> |          | <b>26,486.8978</b> | <b>26,486.8978</b> | <b>1.0346</b> | <b>7.2300e-003</b> | <b>26,514.9192</b> |

**Mitigated Operational**

|              | ROG            | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O                | CO2e               |
|--------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|--------------------|--------------------|
| Category     | lb/day         |                |                |               |               |               |               |                |               |               | lb/day   |                    |                    |               |                    |                    |
| Area         | 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        |
| <b>Total</b> | <b>15.5419</b> | <b>36.8755</b> | <b>17.0523</b> | <b>0.2472</b> | <b>9.4194</b> | <b>0.1782</b> | <b>9.5975</b> | <b>2.6828</b>  | <b>0.1714</b> | <b>2.8542</b> |          | <b>26,486.8978</b> | <b>26,486.8978</b> | <b>1.0346</b> | <b>7.2300e-003</b> | <b>26,514.9192</b> |

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

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| 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            | Architectural Coatings | Architectural Coating | 1/27/2022  | 6/30/2022 | 5             | 111      |                   |
| 5            | Paving                 | Paving                | 6/7/2022   | 6/30/2022 | 5             | 18       |                   |

**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        |
| Paving                 | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                 | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving                 | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Architectural Coatings | Air Compressors           | 1      | 6.00        | 78          | 0.48        |

Trips and VMT

| Phase Name             | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation       | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading                | 8                       | 20.00              | 0.00               | 5,000.00            | 14.70              | 6.90               | 1.00                | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction  | 9                       | 638.00             | 249.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                 | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coatings | 1                       | 128.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

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

**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        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> |          | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715.4573</b> |



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

**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        |
| <b>Total</b> | <b>0.0830</b> | <b>0.0540</b> | <b>0.6118</b> | <b>1.8800e-003</b> | <b>0.2012</b> | <b>1.4900e-003</b> | <b>0.2027</b> | <b>0.0534</b>  | <b>1.3700e-003</b> | <b>0.0547</b> |          | <b>186.8672</b> | <b>186.8672</b> | <b>5.0300e-003</b> |     | <b>186.9929</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2                    | Total CO2                    | CH4           | N2O | CO2e                         |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|------------------------------|------------------------------|---------------|-----|------------------------------|
| Category      | lb/day        |                |                |               |               |               |                |                |               |               | lb/day        |                              |                              |               |     |                              |
| Fugitive Dust |               |                |                |               | 8.1298        | 0.0000        | 8.1298         | 4.4688         | 0.0000        | 4.4688        |               |                              | 0.0000                       |               |     | 0.0000                       |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |               | 2.0445        | 2.0445         | 1.8809         | 1.8809        | 1.8809        | 0.0000        | 3,685,656 <sub>9</sub>       | 3,685,656 <sub>9</sub>       | 1.1920        |     | 3,715,457 <sub>3</sub>       |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>8.1298</b> | <b>2.0445</b> | <b>10.1743</b> | <b>4.4688</b>  | <b>1.8809</b> | <b>6.3497</b> | <b>0.0000</b> | <b>3,685,656<sub>9</sub></b> | <b>3,685,656<sub>9</sub></b> | <b>1.1920</b> |     | <b>3,715,457<sub>3</sub></b> |

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

**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        |
| <b>Total</b> | <b>0.0830</b> | <b>0.0540</b> | <b>0.6118</b> | <b>1.8800e-003</b> | <b>0.2012</b> | <b>1.4900e-003</b> | <b>0.2027</b> | <b>0.0534</b>  | <b>1.3700e-003</b> | <b>0.0547</b> |          | <b>186.8672</b> | <b>186.8672</b> | <b>5.0300e-003</b> |     | <b>186.9929</b> |

**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 |               |                |                |               | 8.7696        | 0.0000        | 8.7696         | 3.6111         | 0.0000        | 3.6111        |          |                   | 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        |
| <b>Total</b>  | <b>4.1912</b> | <b>46.3998</b> | <b>30.8785</b> | <b>0.0620</b> | <b>8.7696</b> | <b>1.9853</b> | <b>10.7549</b> | <b>3.6111</b>  | <b>1.8265</b> | <b>5.4376</b> |          | <b>6,007.0434</b> | <b>6,007.0434</b> | <b>1.9428</b> |     | <b>6,055.6134</b> |

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**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      | 0.2169        | 10.3896        | 1.8208        | 0.0131        | 0.0950        | 9.1000e-003   | 0.1041        | 0.0262         | 8.7000e-003   | 0.0349        |          | 1,418.482 <sub>7</sub>       | 1,418.482 <sub>7</sub>       | 0.2245        |     | 1,424.093 <sub>8</sub>       |
| 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                     |
| <b>Total</b> | <b>0.3091</b> | <b>10.4496</b> | <b>2.5005</b> | <b>0.0152</b> | <b>0.3186</b> | <b>0.0108</b> | <b>0.3294</b> | <b>0.0855</b>  | <b>0.0102</b> | <b>0.0958</b> |          | <b>1,626.112<sub>9</sub></b> | <b>1,626.112<sub>9</sub></b> | <b>0.2300</b> |     | <b>1,631.863<sub>7</sub></b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2                    | Total CO2                    | CH4           | N2O | CO2e                         |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------------|------------------------------|---------------|-----|------------------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                              |                              |               |     |                              |
| Fugitive Dust |               |                |                |               | 3.9463        | 0.0000        | 3.9463        | 1.6250         | 0.0000        | 1.6250        |               |                              | 0.0000                       |               |     | 0.0000                       |
| Off-Road      | 4.1912        | 46.3998        | 30.8785        | 0.0620        |               | 1.9853        | 1.9853        |                | 1.8265        | 1.8265        | 0.0000        | 6,007.043 <sub>4</sub>       | 6,007.043 <sub>4</sub>       | 1.9428        |     | 6,055.613 <sub>4</sub>       |
| <b>Total</b>  | <b>4.1912</b> | <b>46.3998</b> | <b>30.8785</b> | <b>0.0620</b> | <b>3.9463</b> | <b>1.9853</b> | <b>5.9317</b> | <b>1.6250</b>  | <b>1.8265</b> | <b>3.4515</b> | <b>0.0000</b> | <b>6,007.043<sub>4</sub></b> | <b>6,007.043<sub>4</sub></b> | <b>1.9428</b> |     | <b>6,055.613<sub>4</sub></b> |

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**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  | 0.2169 | 10.3896 | 1.8208 | 0.0131      | 0.0950        | 9.1000e-003  | 0.1041     | 0.0262         | 8.7000e-003   | 0.0349      |          | 1,418.482 <sub>7</sub> | 1,418.482 <sub>7</sub> | 0.2245      |     | 1,424.093 <sub>8</sub> |
| 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    | 0.3091 | 10.4496 | 2.5005 | 0.0152      | 0.3186        | 0.0108       | 0.3294     | 0.0855         | 0.0102        | 0.0958      |          | 1,626.112 <sub>9</sub> | 1,626.112 <sub>9</sub> | 0.2300      |     | 1,631.863 <sub>7</sub> |

**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      |          | 2,553.363 <sub>9</sub> | 2,553.363 <sub>9</sub> | 0.6160 |     | 2,568.764 <sub>3</sub> |
| Total    | 1.9009 | 17.4321 | 16.5752 | 0.0269 |               | 0.9586       | 0.9586     |                | 0.9013        | 0.9013      |          | 2,553.363 <sub>9</sub> | 2,553.363 <sub>9</sub> | 0.6160 |     | 2,568.764 <sub>3</sub> |

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**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   | 0.7360 | 23.7899 | 6.4363  | 0.0613 | 1.5933        | 0.0502       | 1.6435     | 0.4587         | 0.0480        | 0.5067      |          | 6,558.007<br>2  | 6,558.007<br>2  | 0.4455 |     | 6,569.145<br>3  |
| Worker   | 2.9423 | 1.9126  | 21.6835 | 0.0665 | 7.1313        | 0.0528       | 7.1841     | 1.8913         | 0.0486        | 1.9399      |          | 6,623.404<br>4  | 6,623.404<br>4  | 0.1781 |     | 6,627.857<br>8  |
| Total    | 3.6782 | 25.7025 | 28.1198 | 0.1278 | 8.7246        | 0.1030       | 8.8276     | 2.3499         | 0.0966        | 2.4466      |          | 13,181.41<br>15 | 13,181.41<br>15 | 0.6237 |     | 13,197.00<br>31 |

**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   | 2,553.363<br>9 | 2,553.363<br>9 | 0.6160 |     | 2,568.764<br>3 |
| Total    | 1.9009 | 17.4321 | 16.5752 | 0.0269 |               | 0.9586       | 0.9586     |                | 0.9013        | 0.9013      | 0.0000   | 2,553.363<br>9 | 2,553.363<br>9 | 0.6160 |     | 2,568.764<br>3 |

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**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   | 0.7360 | 23.7899 | 6.4363  | 0.0613 | 1.5933        | 0.0502       | 1.6435     | 0.4587         | 0.0480        | 0.5067      |          | 6,558.007<br>2  | 6,558.007<br>2  | 0.4455 |     | 6,569.145<br>3  |
| Worker   | 2.9423 | 1.9126  | 21.6835 | 0.0665 | 7.1313        | 0.0528       | 7.1841     | 1.8913         | 0.0486        | 1.9399      |          | 6,623.404<br>4  | 6,623.404<br>4  | 0.1781 |     | 6,627.857<br>8  |
| Total    | 3.6782 | 25.7025 | 28.1198 | 0.1278 | 8.7246        | 0.1030       | 8.8276     | 2.3499         | 0.0966        | 2.4466      |          | 13,181.41<br>15 | 13,181.41<br>15 | 0.6237 |     | 13,197.00<br>31 |

**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      |          | 2,554.333<br>6 | 2,554.333<br>6 | 0.6120 |     | 2,569.632<br>2 |
| Total    | 1.7062 | 15.6156 | 16.3634 | 0.0269 |               | 0.8090       | 0.8090     |                | 0.7612        | 0.7612      |          | 2,554.333<br>6 | 2,554.333<br>6 | 0.6120 |     | 2,569.632<br>2 |

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**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   | 0.6909 | 22.5803 | 6.0961  | 0.0607 | 1.5933        | 0.0437       | 1.6370     | 0.4587         | 0.0418        | 0.5005      |          | 6,499.450<br>5  | 6,499.450<br>5  | 0.4299 |     | 6,510.197<br>7  |
| Worker   | 2.7673 | 1.7274  | 20.0165 | 0.0641 | 7.1313        | 0.0513       | 7.1826     | 1.8913         | 0.0472        | 1.9385      |          | 6,386.245<br>0  | 6,386.245<br>0  | 0.1609 |     | 6,390.267<br>5  |
| Total    | 3.4581 | 24.3078 | 26.1126 | 0.1248 | 8.7246        | 0.0950       | 8.8196     | 2.3499         | 0.0890        | 2.4390      |          | 12,885.69<br>55 | 12,885.69<br>55 | 0.5908 |     | 12,900.46<br>52 |

**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   | 2,554.333<br>6 | 2,554.333<br>6 | 0.6120 |     | 2,569.632<br>2 |
| Total    | 1.7062 | 15.6156 | 16.3634 | 0.0269 |               | 0.8090       | 0.8090     |                | 0.7612        | 0.7612      | 0.0000   | 2,554.333<br>6 | 2,554.333<br>6 | 0.6120 |     | 2,569.632<br>2 |

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**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   | 0.6909 | 22.5803 | 6.0961  | 0.0607 | 1.5933        | 0.0437       | 1.6370     | 0.4587         | 0.0418        | 0.5005      |          | 6,499.4505  | 6,499.4505  | 0.4299 |     | 6,510.1977  |
| Worker   | 2.7673 | 1.7274  | 20.0165 | 0.0641 | 7.1313        | 0.0513       | 7.1826     | 1.8913         | 0.0472        | 1.9385      |          | 6,386.2450  | 6,386.2450  | 0.1609 |     | 6,390.2675  |
| Total    | 3.4581 | 24.3078 | 26.1126 | 0.1248 | 8.7246        | 0.0950       | 8.8196     | 2.3499         | 0.0890        | 2.4390      |          | 12,885.6955 | 12,885.6955 | 0.5908 |     | 12,900.4652 |

**3.5 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 | 52.6589 |        |        |             |               | 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           | 52.8634 | 1.4085 | 1.8136 | 2.9700e-003 |               | 0.0817       | 0.0817     |                | 0.0817        | 0.0817      |          | 281.4481  | 281.4481  | 0.0183 |     | 281.9062 |



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**3.5 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      |          | 1,281.252 <sub>9</sub> | 1,281.252 <sub>9</sub> | 0.0323 |     | 1,282.059 <sub>9</sub> |
| Total    | 0.5552 | 0.3466 | 4.0159 | 0.0129 | 1.4307        | 0.0103       | 1.4410     | 0.3794         | 9.4700e-003   | 0.3889      |          | 1,281.252 <sub>9</sub> | 1,281.252 <sub>9</sub> | 0.0323 |     | 1,282.059 <sub>9</sub> |

**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 | 52.6589 |        |        |             |               | 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           | 52.8634 | 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 |

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**3.5 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      |          | 1,281.252 <sub>9</sub> | 1,281.252 <sub>9</sub> | 0.0323 |     | 1,282.059 <sub>9</sub> |
| Total    | 0.5552 | 0.3466 | 4.0159 | 0.0129 | 1.4307        | 0.0103       | 1.4410     | 0.3794         | 9.4700e-003   | 0.3889      |          | 1,281.252 <sub>9</sub> | 1,281.252 <sub>9</sub> | 0.0323 |     | 1,282.059 <sub>9</sub> |

**3.6 Paving - 2022****Unmitigated Construction On-Site**

|          | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2              | Total CO2              | CH4    | N2O | CO2e                   |
|----------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------------------|------------------------|--------|-----|------------------------|
| Category | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |                        |                        |        |     |                        |
| Off-Road | 1.1028 | 11.1249 | 14.5805 | 0.0228 |               | 0.5679       | 0.5679     |                | 0.5225        | 0.5225      |          | 2,207.660 <sub>3</sub> | 2,207.660 <sub>3</sub> | 0.7140 |     | 2,225.510 <sub>4</sub> |
| 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      |          | 2,207.660 <sub>3</sub> | 2,207.660 <sub>3</sub> | 0.7140 |     | 2,225.510 <sub>4</sub> |

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**3.6 Paving - 2022****Unmitigated Construction Off-Site**

| Category     | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
|              | 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        |
| <b>Total</b> | <b>0.0651</b> | <b>0.0406</b> | <b>0.4706</b> | <b>1.5100e-003</b> | <b>0.1677</b> | <b>1.2100e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1100e-003</b> | <b>0.0456</b> |          | <b>150.1468</b> | <b>150.1468</b> | <b>3.7800e-003</b> |     | <b>150.2414</b> |

**Mitigated Construction On-Site**

| Category     | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2                    | Total CO2                    | CH4           | N2O | CO2e                         |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------------|------------------------------|---------------|-----|------------------------------|
|              | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                              |                              |               |     |                              |
| Off-Road     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |               | 0.5679        | 0.5679        |                | 0.5225        | 0.5225        | 0.0000        | 2,207.660 <sub>3</sub>       | 2,207.660 <sub>3</sub>       | 0.7140        |     | 2,225.510 <sub>4</sub>       |
| Paving       | 3.0567        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                              | 0.0000                       |               |     | 0.0000                       |
| <b>Total</b> | <b>4.1595</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |               | <b>0.5679</b> | <b>0.5679</b> |                | <b>0.5225</b> | <b>0.5225</b> | <b>0.0000</b> | <b>2,207.660<sub>3</sub></b> | <b>2,207.660<sub>3</sub></b> | <b>0.7140</b> |     | <b>2,225.510<sub>4</sub></b> |

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**3.6 Paving - 2022****Mitigated Construction Off-Site**

|          | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e     |
|----------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|----------|
| Category | lb/day |        |        |             |               |              |            |                |               |             | lb/day   |           |           |             |     |          |
| Hauling  | 0.0000 | 0.0000 | 0.0000 | 0.0000      | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000      |     | 0.0000   |
| Vendor   | 0.0000 | 0.0000 | 0.0000 | 0.0000      | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000      |     | 0.0000   |
| Worker   | 0.0651 | 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 |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

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

|             | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O | CO2e      |
|-------------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|-----------|
| Category    | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |           |           |        |     |           |
| Mitigated   | 1.6330 | 36.5461 | 16.7124 | 0.2452 | 9.4194        | 0.1530       | 9.5723     | 2.6828         | 0.1462        | 2.8290      |          | 26,092.14 | 26,092.14 | 1.0267 |     | 26,117.81 |
|             |        |         |         |        |               |              |            |                |               |             |          | 62        | 62        |        |     | 37        |
| Unmitigated | 1.6330 | 36.5461 | 16.7124 | 0.2452 | 9.4194        | 0.1530       | 9.5723     | 2.6828         | 0.1462        | 2.8290      |          | 26,092.14 | 26,092.14 | 1.0267 |     | 26,117.81 |
|             |        |         |         |        |               |              |            |                |               |             |          | 62        | 62        |        |     | 37        |

## 4.2 Trip Summary Information

| Land Use                         | Average Daily Trip Rate |          |        | Unmitigated |  | Mitigated  |  |
|----------------------------------|-------------------------|----------|--------|-------------|--|------------|--|
|                                  | 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

| Land Use                    | Miles      |            |             |            | Trip %     |             |         |          | Trip Purpose % |  |  |
|-----------------------------|------------|------------|-------------|------------|------------|-------------|---------|----------|----------------|--|--|
|                             | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by        |  |  |
| 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

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| 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 |        |        |             |               |              |            |                |               |             |          |           |           |             |             |          |
| 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 |

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**5.2 Energy by Land Use - NaturalGas****Unmitigated**

| Land Use                         | 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            |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
|                                  | kBTU/yr        |               |               |               |                    |               |               |               |                |               |               |          |                 |                 |                    |                    |                 |
| 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        |
| <b>Total</b>                     |                | <b>0.0362</b> | <b>0.3289</b> | <b>0.2762</b> | <b>1.9700e-003</b> |               | <b>0.0250</b> | <b>0.0250</b> |                | <b>0.0250</b> | <b>0.0250</b> |          | <b>394.6150</b> | <b>394.6150</b> | <b>7.5600e-003</b> | <b>7.2300e-003</b> | <b>396.9600</b> |

**Mitigated**

| Land Use                         | 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            |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
|                                  | kBTU/yr        |               |               |               |                    |               |               |               |                |               |               |          |                 |                 |                    |                    |                 |
| 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        |
| <b>Total</b>                     |                | <b>0.0362</b> | <b>0.3289</b> | <b>0.2762</b> | <b>1.9700e-003</b> |               | <b>0.0250</b> | <b>0.0250</b> |                | <b>0.0250</b> | <b>0.0250</b> |          | <b>394.6150</b> | <b>394.6150</b> | <b>7.5600e-003</b> | <b>7.2300e-003</b> | <b>396.9600</b> |

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**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 |



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**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        |
| <b>Total</b>          | <b>13.8727</b> | <b>5.8000e-004</b> | <b>0.0637</b> | <b>0.0000</b> |               | <b>2.3000e-004</b> | <b>2.3000e-004</b> |                | <b>2.3000e-004</b> | <b>2.3000e-004</b> |          | <b>0.1366</b> | <b>0.1366</b> | <b>3.6000e-004</b> |     | <b>0.1455</b> |

**Mitigated**

|                       | ROG            | NOx                | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2     | Total CO2     | CH4                | N2O | CO2e          |
|-----------------------|----------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory           | lb/day         |                    |               |               |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |     |               |
| Architectural Coating | 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        |
| <b>Total</b>          | <b>13.8727</b> | <b>5.8000e-004</b> | <b>0.0637</b> | <b>0.0000</b> |               | <b>2.3000e-004</b> | <b>2.3000e-004</b> |                | <b>2.3000e-004</b> | <b>2.3000e-004</b> |          | <b>0.1366</b> | <b>0.1366</b> | <b>3.6000e-004</b> |     | <b>0.1455</b> |

**7.0 Water Detail**

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

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**7.1 Mitigation Measures Water**

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**8.0 Waste Detail****8.1 Mitigation Measures Waste**

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**9.0 Operational Offroad**

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

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**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

---

**11.0 Vegetation**

---

AP-42 - Parcel C Parking Lot Dust Emissions

$E = k \times (s/12)^a \times (W/3)^b \div (M/0.2)^c$

E = emission factor (lbs/VMT)  
s = surface material silt content (%) 6.4 %  
W = mean vehicle weight (tons) 2 tons  
M = surface material moisture content (%) 0.5 %

| Empirical Constant | PM2.5 | PM10 |
|--------------------|-------|------|
| k                  | 0.38  | 2.6  |
| a                  | 0.8   | 0.8  |
| b                  | 0.4   | 0.4  |
| c                  | 0.3   | 0.3  |

E10 = 1.02 lbs/VMT  
E2.5 = 0.15 lbs/VMT

# Trips 53  
Distance 0.16  
VMT 8.48  
PM10 9  
PM2.5 1

Total Uncontrolled (lbs)  
PM10 9  
PM2.5 1

SOURCE: U.S. EPA Emission Factor Documentation for AP-42, Section 13.2.2, Unpaved Roads, Final Report. September 1998.

**ATTACHMENT 2**  
**EMFAC2017 and AERMOD Data**



## **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
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\*\* 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 |



|                   |        |                               |
|-------------------|--------|-------------------------------|
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| LOCATION L0001730 | VOLUME | 471559.006 3753171.187 488.00 |
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| 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 |
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| 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 |
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| LOCATION L0001748 | VOLUME | 471554.150 3753323.030 486.79 |
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| LOCATION L0001750 | VOLUME | 471553.611 3753339.901 486.22 |
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| 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 |
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| 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 |
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| 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 |
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| LOCATION L0001791 | VOLUME | 471379.152 3753323.498 485.81 |
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| LOCATION L0001794 | VOLUME | 471379.152 3753298.178 487.48 |
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| 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 |

[illegible]

[illegible]



|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| 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 |



\*\* 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

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\*\*\* MODELOPTs: RegDEFAULT 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: 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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     |             |
| 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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) | (METERS) | 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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) | (METERS) |        |                     | 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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)            | (METERS) | 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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) | (METERS) | 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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                 |
| -----    |                   |             |          |            |          |          |               |                    |
| 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 | 37533329.1 | 486.0    | 3.63     | 3.93          | 3.38 NO            |
| L0001893 | 0                 | 0.11423E-02 | 471402.4 | 37533320.7 | 487.2    | 3.63     | 3.93          | 3.38 NO            |
| L0001894 | 0                 | 0.11423E-02 | 471402.4 | 37533312.2 | 487.8    | 3.63     | 3.93          | 3.38 NO            |
| L0001895 | 0                 | 0.11423E-02 | 471402.4 | 37533303.8 | 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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            |
| ID     | CATS.             | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | (METERS)      |

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|          |   |             |          |           |       |      |      |      |    |
|----------|---|-------------|----------|-----------|-------|------|------|------|----|
| 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  
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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  
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L0001954 0 0.11330E-02 471195.5 3753209.2 488.6 3.63 3.93 3.38 NO  
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L0001957 0 0.11330E-02 471220.9 3753209.4 488.6 3.63 3.93 3.38 NO

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID SOURCE IDs

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

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

|                                                                                         |  |
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| 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 ,  
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\*\*\* MODELOPTs: RegDEFAULT 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,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD  | X-COORD (METERS) |           |           |           |           |           |           |           |           |
|----------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| (METERS) | 470324.27        | 470374.27 | 470424.27 | 470474.27 | 470524.27 | 470574.27 | 470624.27 | 470674.27 | 470724.27 |

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|            |        |        |        |        |        |        |        |        |        |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |

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\*\*\* MODELOPTs: RegDEFAULT 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 |

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\*\*\* MODELOPTs: RegDEFAULT 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 |

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|            |        |        |        |        |        |        |        |        |        |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |

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\*\*\* MODELOPTs: RegDEFAULT 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

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|            |        |        |        |        |        |        |        |        |        |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |

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

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD                                                               | X-COORD (METERS) |           |           |           |
|-----------------------------------------------------------------------|------------------|-----------|-----------|-----------|
| (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    |
| *** AERMOD - VERSION 16216r *** C:\AERMOD\9309\CO\CO.isc *** 11/22/19 |                  |           |           |           |
| *** AERMET - VERSION 16216 *** *** 08:34:15                           |                  |           |           |           |
| PAGE 17                                                               |                  |           |           |           |
| *** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*                       |                  |           |           |           |

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

\* HILL HEIGHT SCALES IN METERS \*

| Y-COORD    | X-COORD (METERS) |           |           |           |           |           |           |           |           |
|------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| (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    | X-COORD (METERS) |           |           |           |           |           |           |           |           |
|------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| (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  
\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\CO\CO.isc \*\*\* 11/22/19  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 08:34:15

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES 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 | 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 |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES 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 | 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 |

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\*\*\* MODELOPTs:  RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES IN METERS \*

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

|            |  |        |        |        |        |
|------------|--|--------|--------|--------|--------|
| 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 |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* 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); |                        |        |        |       |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL 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) |
| -----    |                           |          |
| 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    |

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

### First 24 hours of scalar data

.....

### First hour of profile data

|    |    |    |    |      |   |     |      |       |      |        |        |
|----|----|----|----|------|---|-----|------|-------|------|--------|--------|
| 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)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

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

\*\*

Y-COORD | X-COORD (METERS)  
(METERS) | 470324.27 470374.27 470424.27 470474.27 470524.27

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|           |                     |                     |                     |                     |                     |
|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 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 (15030202)  | 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)  |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\CO\CO.isc

\*\*\* 11/22/19

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 08:34:15

\*\*\* MODELOPTs: RegDEFAULT 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)  | 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) |

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

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\*\*\* MODELOPTs: RegDEFAULT 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) | 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)  |

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\*\*\* MODELOPTs: RegDEFAULT 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 |

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3754223.1 | 5.12140 (15110301) 5.18290 (14072905) 5.24018 (15092824) 5.16332 (16093023) 5.11109 (15102823)
3754173.1 | 5.23225 (15110301) 5.49145 (14072905) 5.53623 (15091705) 5.31125 (16100205) 5.31148 (14120404)
3754123.1 | 5.45058 (14040501) 5.60507 (14042505) 5.85009 (16093023) 5.51816 (16100205) 5.50216 (16090205)
3754073.1 | 5.57921 (14040501) 5.73397 (15092824) 5.90144 (16093023) 5.63384 (15102823) 5.56334 (16090205)
3754023.1 | 5.80546 (14040501) 5.95084 (15092824) 5.94797 (16093023) 5.82495 (14120404) 5.73699 (14121619)
3753973.1 | 6.20174 (14040501) 6.30603 (15092824) 6.25408 (16093023) 6.20470 (14120404) 6.08864 (14101122)
3753923.1 | 6.68705 (14060604) 6.74366 (15092824) 6.65049 (16100205) 6.60343 (16090205) 6.47281 (14050505)
3753873.1 | 7.27538 (14072905) 7.29121 (16093023) 7.22004 (15102823) 7.12459 (14121619) 7.01581 (15082804)
3753823.1 | 7.98239 (14072905) 8.02870 (16093023) 7.96944 (14120404) 7.79363 (15032023) 7.79651 (16040524)
3753773.1 | 8.89998 (14072905) 8.90966 (16093023) 8.76938 (16090205) 8.58789 (15082804) 8.41125 (14081206)
3753723.1 | 10.11016 (14072905) 9.89063 (15020901) 9.75844 (14101122) 9.47738 (16040524) 9.13708 (14032105)
3753673.1 | 11.52225 (14072905) 11.41615 (14120404) 11.22413 (15082804) 10.66074 (14081206) 10.07061 (15082006)
3753623.1 | 13.53414 (14072905) 13.57985 (14120404) 13.18929 (16040524) 12.36953 (14083104) 11.25359 (15072806)
3753573.1 | 17.81505 (15092824) 17.00691 (16081724) 17.07342 (14081206) 15.10673 (15072806) 12.85523 (15091003)
3753523.1 | 22.43628 (15092824) 21.76626 (15071406) 20.40103 (14081603) 18.73997 (15091003) 15.43674 (14030602)
3753473.1 | 32.43692 (16100205) 26.30829 (15082006) 23.06812 (16022721) 19.66359 (14083101) 18.18620 (15081005)
3753423.1 | 43.46656 (14081206) 32.38319 (16010324) 27.63830 (15081005) 22.89783 (14101022) 20.63974 (14122920)
3753373.1 | 49.28210 (14071306) 36.97099 (15051301) 30.40088 (15091404) 24.72617 (15091404) 22.09057 (14021008)
3753323.1 | 52.39710 (14021008) 39.42457 (14021008) 31.50521 (14021008) 26.41240 (14053124) 22.44657 (16062702)
3753273.1 | 53.58991 (15101807) 39.52912 (15101807) 31.34194 (15101807) 26.26266 (14090605) 22.66656 (14073104)
3753223.1 | 51.73971 (15101807) 38.24954 (16081501) 30.40520 (16082405) 25.34077 (16041324) 21.77510 (16041324)
3753173.1 | 46.12726 (15042102) 34.12479 (14080406) 27.36521 (14080406) 22.92487 (14052604) 20.00355 (16061724)
3753123.1 | 43.06181 (16011604) 28.37828 (16011524) 23.26247 (15060704) 19.68715 (15011018) 17.38077 (14062505)
3753073.1 | 33.04971 (15122121) 24.65436 (16040721) 20.22494 (15110305) 17.81901 (14102623) 15.53374 (15071124)
3753023.1 | 24.94171 (16011518) 21.04815 (16010919) 18.10468 (14073103) 16.17551 (15110305) 14.71541 (14102623)
3752973.1 | 19.91307 (16102122) 17.93136 (16011604) 15.92904 (16040721) 14.45959 (14120101) 13.40806 (15110305)
3752923.1 | 17.76555 (14082004) 15.70216 (14072602) 14.95156 (14013022) 16.64454 (15093021) 15.40598 (15113017)
3752873.1 | 18.32706 (14030524) 14.09267 (14122017) 13.57380 (15081705) 15.47335 (15091124) 14.38685 (14081001)
3752823.1 | 16.24742 (14030524) 12.98963 (14122017) 12.47463 (15081705) 14.26023 (15082404) 13.50999 (16061602)
3752773.1 | 14.55823 (14030524) 13.99384 (15083104) 13.57732 (14120618) 13.21761 (16032023) 12.64119 (15091124)
3752723.1 | 13.33048 (15022022) 12.98577 (16082502) 12.81164 (15092201) 12.20680 (16032023) 11.93122 (15082404)
3752673.1 | 12.37050 (15022022) 12.23231 (16011002) 12.04283 (14030221) 11.69303 (15100522) 11.39366 (15082403)
3752623.1 | 11.27298 (15022022) 11.29707 (16011002) 11.07278 (14101805) 10.84832 (15100522) 10.59057 (16032023)
3752573.1 | 9.68312 (15022022) 10.13948 (16011002) 10.48227 (16120606) 10.05038 (15100522) 9.69372 (15100522)
3752523.1 | 8.38675 (14012622) 8.69255 (16011002) 9.72353 (15083104) 9.36935 (14030221) 9.32342 (15100522)
3752473.1 | 6.89668 (16071101) 7.63661 (14012622) 8.28715 (15030202) 8.03137 (14030221) 8.31466 (15100522)
3752423.1 | 6.08076 (16071101) 6.52136 (14012622) 7.49984 (15030202) 6.34495 (15030202) 6.96802 (15100522)
3752373.1 | 5.52966 (16071101) 5.42375 (14012622) 4.69464 (15030202) 5.26586 (15030202) 5.50384 (15100522)
3752323.1 | 4.63923 (16071101) 4.51439 (14012622) 3.28386 (14012622) 3.70375 (15030202) 3.30404 (15100522)
3752273.1 | 4.10717 (16071101) 4.11102 (14012622) 2.84858 (16032807) 2.77811 (15030202) 3.06235 (16011823)

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*** AERMOD - VERSION 1621r *** C:\AERMOD\9309\CO\CO.isc *** 11/22/19

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

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

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*** 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 ,

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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)  | 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)

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\*\*\* MODELOPTs: RegDEFAULT 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) | 472074.27 472124.27 472174.27 472224.27 472274.27

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|           |                     |                     |                    |                    |                    |
|-----------|---------------------|---------------------|--------------------|--------------------|--------------------|
| 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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) |             |             |                     |

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\*\*\* MODELOPTs: RegDEFAULT 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)                                        | 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) |
| *** AERMOD - VERSION 16216r ***                 | *** C:\AERMOD\9309\CO\CO.isc |                    |                    | ***                | 11/22/19           |
| *** AERMET - VERSION 16216 ***                  | ***                          |                    |                    | ***                | 08:34:15           |
| PAGE 36                                         |                              |                    |                    |                    |                    |
| *** 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)  | 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) |

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

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

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\*\*\* MODELOPTs: RegDEFAULT 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) | 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) |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\CO\CO.isc \*\*\* 11/22/19  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 08:34:15

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\*\*\* 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) | 4711074.27       | 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)  |

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

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

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\*\*\* MODELOPTs: RegDEFAULT 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)  |
| *** AERMOD - VERSION 16216r *** | *** C:\AERMOD\9309\CO\CO.isc |                     |                     | ***                 | 11/22/19            |
| *** AERMET - VERSION 16216 ***  | ***                          |                     | ***                 | 08:34:15            |                     |

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\*\*\* MODELOPTs: RegDEFAULT 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) | 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)  |

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\*\*\* 11/22/19

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 08:34:15

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\*\*\* MODELOPTs: RegDEFAULT 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)  | 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)  | 7.72232 (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: RegDEFAULT 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)  | 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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) |             |             |                    |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

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

| GROUP ID | DATE | AVERAGE CONC (YYMMDDHH) | NETWORK | RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) | 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

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE SUMMARY OF HIGHEST 8-HR RESULTS \*\*\*

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

| GROUP ID | AVERAGE CONC (YYMMDDHH) | DATE | NETWORK | RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) | 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

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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 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

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### 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<sub>x</sub>)**

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**
*****

**

** 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 |

[illegible]

[illegible]

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| 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 |





\*\* 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

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\*\*\* MODELOPTs: RegDEFAULT 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: 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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     |      |
| 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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       |
| ID                   | CATS.             | (METERS)     | (METERS) | (METERS) | (METERS) | (METERS)            | (METERS) |

-----

|          |   |             |          |           |       |      |      |      |    |
|----------|---|-------------|----------|-----------|-------|------|------|------|----|
| 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 |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL 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)            | (METERS) | 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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) | (METERS) | 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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                 |
| 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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            |

|          |   |             |          |           |       |      |      |      |    |
|----------|---|-------------|----------|-----------|-------|------|------|------|----|
| 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 |

|          |   |             |          |           |       |      |      |      |    |
|----------|---|-------------|----------|-----------|-------|------|------|------|----|
| 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 |

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\*\*\* 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 ,  
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\*\*\* MODELOPTs: RegDEFAULT 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 ,  
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\*\*\* MODELOPTs: RegDEFAULT 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,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD    | X-COORD (METERS) |           |           |           |           |           |           |           |           |  |
|------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| (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 |

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\*\*\* 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 |

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|            |        |        |        |        |        |        |        |        |        |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |

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\*\*\* MODELOPTs: RegDEFAULT 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 |

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\*\*\* MODELOPTs: RegDEFAULT 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    |
| *** AERMOD - VERSION 16216r *** C:\AERMOD\9309\NOx\NOx.isc *** 12/03/19 |                  |           |           |           |           |              |           |           |           |
| *** AERMET - VERSION 16216 ***                                          |                  |           |           |           |           | *** 09:42:33 |           |           |           |

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

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD    | X-COORD (METERS) |           |           |           |
|------------|------------------|-----------|-----------|-----------|
| (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: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES IN METERS \*

| Y-COORD    | X-COORD (METERS) |           |           |           |           |           |           |           |           |
|------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| (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  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES 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 | 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 |
| *** AERMOD - VERSION 16216r *** C:\AERMOD\9309\NOx\NOx.isc |        |        |        |        |        |        |        | *** 12/03/19 |        |
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES 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 | 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 |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES 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 | 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 |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES IN METERS \*

|          |                  |           |           |           |
|----------|------------------|-----------|-----------|-----------|
| Y-COORD  | X-COORD (METERS) |           |           |           |
| (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 |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* 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); |                        |        |        |       |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL 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 ID | -- RECEPTOR LOCATION -- |             | DISTANCE (METERS) |
|-----------|-------------------------|-------------|-------------------|
|           | XR (METERS)             | YR (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 |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* METEOROLOGICAL DAYS SELECTED FOR PROCESSING \*\*\*

(1=YES; 0=NO)

1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 111111

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,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

Surface file: N:\AIR\_GHG\_NOISE\_Technical\001\_AIR\Meteorological\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)

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\*\*\* MODELOPTs: RegDEFAULT 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)   | 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   |

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\*\*\* MODELOPTs: RegDEFAULT 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 \*\*

X-COORD | Y-COORD (METERS) |  
(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 |

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\*\*\* MODELOPTs: RegDEFAULT 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 |

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\*\*\* MODELOPTs: RegDEFAULT 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) | 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 | 0.111715 | 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 |

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\*\*\* MODELOPTs: RegDEFAULT 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) | 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 |

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\*\*\* 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 |              |             |         |
| *** AERMOD - VERSION 16216r *** C:\AERMOD\9309\NOx\NOx.isc |             |         | *** 12/03/19 |             |         |
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\*\*\* 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)  | 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)  |

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\*\*\* 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)  |

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\*\*\* MODELOPTs: RegDEFAULT 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)  |

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\*\*\* 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)  | 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)  |

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\*\*\* 12/03/19

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 09:42:33

\*\*\* 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)  | 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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 |

-----

|           |                     |                     |                     |                     |                     |
|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 3754223.1 | 4.65531 (14040501)  | 4.71013 (14072905)  | 4.75026 (15091705)  | 4.68097 (16093023)  | 4.64255 (15102823)  |
| 3754173.1 | 4.76116 (14040501)  | 4.98156 (14072905)  | 5.02230 (16093023)  | 4.82442 (16100205)  | 4.82258 (14120404)  |
| 3754123.1 | 4.95215 (14040501)  | 5.08692 (14042505)  | 5.31689 (16093023)  | 4.99909 (16100205)  | 4.99061 (16090205)  |
| 3754073.1 | 5.05978 (14040501)  | 5.20638 (15092824)  | 5.34925 (16093023)  | 5.10936 (15102823)  | 5.03086 (16090205)  |
| 3754023.1 | 5.25368 (14040501)  | 5.38877 (15092824)  | 5.37526 (16093023)  | 5.27594 (14120404)  | 5.18373 (14121619)  |
| 3753973.1 | 5.60248 (14060604)  | 5.69357 (15092824)  | 5.65226 (16100205)  | 5.59926 (14120404)  | 5.48917 (14101122)  |
| 3753923.1 | 6.05249 (14072905)  | 6.06945 (15092824)  | 5.99214 (16100205)  | 5.94485 (16090205)  | 5.82745 (14050505)  |
| 3753873.1 | 6.57154 (14072905)  | 6.58401 (16093023)  | 6.51615 (14120404)  | 6.40133 (14121619)  | 6.29631 (15082804)  |
| 3753823.1 | 7.18631 (14072905)  | 7.21860 (16093023)  | 7.15887 (14120404)  | 6.98775 (15032023)  | 6.97930 (16040524)  |
| 3753773.1 | 7.98534 (14072905)  | 7.97662 (16093023)  | 7.85048 (16090205)  | 7.67842 (15082804)  | 7.50862 (14081206)  |
| 3753723.1 | 9.03752 (14072905)  | 8.83508 (15020901)  | 8.71665 (14101122)  | 8.43937 (16040524)  | 8.11333 (14032105)  |
| 3753673.1 | 10.25837 (14072905) | 10.20177 (14120404) | 9.99463 (15082804)  | 9.46356 (14081206)  | 8.89933 (15082006)  |
| 3753623.1 | 12.00073 (14072905) | 12.06487 (14120404) | 11.68206 (16040524) | 10.88914 (14083104) | 9.90206 (15072806)  |
| 3753573.1 | 15.75138 (15092824) | 15.05952 (16081724) | 15.05750 (14081206) | 13.23692 (15072806) | 11.23722 (15091003) |
| 3753523.1 | 19.74622 (15092824) | 19.14865 (15071406) | 17.79093 (15082006) | 16.26810 (15091003) | 13.48763 (16010324) |
| 3753473.1 | 28.49320 (16100205) | 22.83577 (15082006) | 19.92089 (16022721) | 17.19039 (14083101) | 15.86287 (15081005) |
| 3753423.1 | 37.92881 (14081206) | 28.07727 (14071306) | 23.92081 (15081005) | 19.88479 (14101022) | 17.95810 (14122920) |
| 3753373.1 | 42.52791 (14071306) | 31.91046 (15051301) | 26.28460 (15091404) | 21.40990 (15091404) | 19.16292 (14021008) |
| 3753323.1 | 45.10435 (14021008) | 34.04225 (14021008) | 27.25650 (14021008) | 22.85364 (14053124) | 19.43864 (16062702) |
| 3753273.1 | 46.11347 (15101807) | 34.09475 (15101807) | 27.08528 (15101807) | 22.76059 (14090605) | 19.59972 (14073104) |
| 3753223.1 | 44.86269 (15101807) | 33.08067 (16081501) | 26.30531 (16082405) | 21.91219 (16082405) | 18.84017 (16041324) |
| 3753173.1 | 40.55582 (15042102) | 29.39867 (14080406) | 23.50556 (14080406) | 19.78665 (16090101) | 17.35279 (16061724) |
| 3753123.1 | 38.29566 (15081705) | 24.52979 (16011524) | 19.92788 (15060704) | 16.87513 (15011018) | 15.03037 (14080406) |
| 3753073.1 | 29.68269 (15122121) | 21.62363 (16040721) | 17.51517 (15110305) | 15.34152 (14102623) | 13.34792 (15071124) |

|           |                     |                     |                     |                     |                     |
|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 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)  |

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\*\*\* 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)  |

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\*\*\* MODELOPTs: RegDEFAULT 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) | 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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) |
|-------------|-------------|-----------------|-------------|-------------|-----------------|

-----

|           |            |                     |           |            |                     |
|-----------|------------|---------------------|-----------|------------|---------------------|
| 471760.95 | 3752929.03 | 13.86977 (14080704) | 471633.36 | 3752929.03 | 13.69481 (15102820) |
| 471511.91 | 3752927.81 | 19.50571 (15022204) | 471378.18 | 3752924.12 | 19.71568 (16013023) |
| 471275.13 | 3752927.81 | 17.94830 (16101404) | 471448.11 | 3752870.15 | 15.66090 (15103120) |
| 471385.54 | 3752872.60 | 18.64377 (15022204) | 471324.20 | 3752870.15 | 17.30081 (14071304) |
| 471277.58 | 3752876.28 | 16.55988 (16111523) | 471162.26 | 3752926.58 | 15.61344 (14101101) |
| 471026.09 | 3752922.90 | 13.24368 (16060402) | 471233.42 | 3752873.83 | 16.04410 (16040804) |
| 471104.60 | 3752868.92 | 13.68412 (14101101) | 471000.32 | 3752872.60 | 12.39653 (16082303) |
| 470962.29 | 3752909.40 | 12.41507 (16060402) | 470866.60 | 3752908.18 | 12.53083 (14103106) |
| 470788.09 | 3752908.18 | 13.45061 (15082406) |           |            |                     |

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\*\*\* MODELOPTs: RegDEFAULT 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)  | 470324.27          | 470374.27          | 470424.27          | 470474.27          | 470524.27          |
| -----     |                    |                    |                    |                    |                    |
| 3754223.1 | 0.57291 (15030924) | 0.58089 (15030924) | 0.57846 (15030924) | 0.56549 (15030924) | 0.54444 (15030924) |
| 3754173.1 | 0.61157 (15030924) | 0.62514 (15030924) | 0.62709 (15030924) | 0.61987 (15030924) | 0.59537 (15030924) |
| 3754123.1 | 0.62014 (15030924) | 0.64433 (15030924) | 0.65630 (15030924) | 0.65508 (15030924) | 0.63249 (15030924) |
| 3754073.1 | 0.61591 (15030924) | 0.63281 (15030924) | 0.65368 (15030924) | 0.68105 (15030924) | 0.72481 (15030924) |
| 3754023.1 | 0.65433 (15092924) | 0.63975 (15092924) | 0.67666 (15030924) | 0.73101 (15030924) | 0.76137 (15030924) |
| 3753973.1 | 0.73097 (15092924) | 0.73880 (15092924) | 0.76797 (15092924) | 0.76752 (15092924) | 0.77710 (15030924) |
| 3753923.1 | 0.79561 (15092924) | 0.83225 (15092924) | 0.97494 (15092924) | 0.89360 (15092924) | 0.89764 (15092924) |
| 3753873.1 | 0.84404 (15092924) | 0.90422 (15092924) | 1.07826 (15092924) | 1.11074 (15092924) | 1.10675 (15092924) |
| 3753823.1 | 0.87339 (15092924) | 1.05503 (15092924) | 1.10487 (15092924) | 1.15991 (15092924) | 1.23770 (15092924) |
| 3753773.1 | 0.88506 (15092924) | 1.06471 (15092924) | 1.07737 (15092924) | 1.14703 (15092924) | 1.25872 (15092924) |
| 3753723.1 | 0.96992 (15092924) | 1.06206 (15092924) | 1.07526 (15092924) | 1.14207 (15092924) | 1.24241 (15092924) |
| 3753673.1 | 1.01372 (15092924) | 1.07665 (15092924) | 1.11450 (15092924) | 1.14581 (15092924) | 1.22735 (15092924) |
| 3753623.1 | 1.09216m(14041424) | 1.08206m(14041424) | 1.15135 (15092924) | 1.21523 (15092924) | 1.24978 (15092924) |
| 3753573.1 | 1.20841m(14041424) | 1.17484m(14041424) | 1.18555m(14041424) | 1.25217 (15092924) | 1.34175 (15092924) |
| 3753523.1 | 1.29428m(14041424) | 1.30769m(14041424) | 1.30029m(14041424) | 1.31132m(14041424) | 1.34323 (15092924) |
| 3753473.1 | 1.28442m(14041424) | 1.36914m(14041424) | 1.39950m(14041424) | 1.44273m(14041424) | 1.45143m(14041424) |
| 3753423.1 | 1.14499 (16040224) | 1.20865m(14041424) | 1.34024m(14041424) | 1.44043m(14041424) | 1.53973m(14041424) |
| 3753373.1 | 1.21336 (14072424) | 1.27023 (14072424) | 1.30086 (14072424) | 1.29338 (14072424) | 1.33693m(14041424) |
| 3753323.1 | 1.11398 (14072424) | 1.20142 (14072424) | 1.29786 (14072424) | 1.35782 (14072424) | 1.46354 (14072424) |
| 3753273.1 | 1.13462 (14121424) | 1.17470 (14121424) | 1.19689 (14121424) | 1.18199 (14121424) | 1.21181 (14121424) |
| 3753223.1 | 1.29262 (14121424) | 1.33427 (14121424) | 1.33737 (14121424) | 1.14669 (14121424) | 1.21264 (14121424) |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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) |

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\*\*\* 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          |
| -----     |                    |                    |                    |                    |                    |
| 3754223.1 | 0.55604 (15011124) | 0.58357 (15011124) | 0.56435 (15011124) | 0.54410 (14102024) | 0.52578 (14102024) |
| 3754173.1 | 0.55859 (15100224) | 0.59773 (15011124) | 0.61234 (15011124) | 0.60036 (15011124) | 0.58846 (14102024) |
| 3754123.1 | 0.61787 (15100224) | 0.60668 (15011124) | 0.64383 (15011124) | 0.64790 (15011124) | 0.68000 (14102024) |

|           |                    |                    |                    |                     |                     |
|-----------|--------------------|--------------------|--------------------|---------------------|---------------------|
| 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)  |

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\*\*\* MODELOPTs: RegDEFAULT 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)  | 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)  |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\NOx\NOx.isc \*\*\* 12/03/19

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 09:42:33

\*\*\* MODELOPTs: RegDEFAULT 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)  | 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) |

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\*\*\* 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) | 471574.27        | 471624.27 | 471674.27 | 471724.27 | 471774.27 |

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|           |                     |                     |                    |                    |                    |
|-----------|---------------------|---------------------|--------------------|--------------------|--------------------|
| 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) |

\*\*\* AERMOD - VERSION 16216r \*\*\*      \*\*\* C:\AERMOD\9309\NOx\NOx.isc      \*\*\*      12/03/19

\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*      \*\*\*      09:42:33

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\*\*\* MODELOPTs: RegDEFAULT 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) | 471824.27        | 471874.27 | 471924.27 | 471974.27 | 472024.27 |

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|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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 |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 3754223.1 | 0.52859 (16083024) | 0.53801 (16083024) | 0.52241 (16083024) | 0.48044 (16083024) | 0.42814 (16083024) |
| 3754173.1 | 0.56966 (16083024) | 0.56090 (16083024) | 0.52193 (16083024) | 0.46624 (16083024) | 0.40977 (15022024) |
| 3754123.1 | 0.59842 (16083024) | 0.56797 (16083024) | 0.51213 (16083024) | 0.43760 (16083024) | 0.41749 (15022024) |
| 3754073.1 | 0.61741 (16083024) | 0.56459 (16083024) | 0.48411 (16083024) | 0.43631 (15022024) | 0.39731 (15022024) |
| 3754023.1 | 0.61804 (16083024) | 0.54018 (16083024) | 0.47550 (15022024) | 0.42657 (15022024) | 0.37744 (15031924) |
| 3753973.1 | 0.59736 (16083024) | 0.52495 (15022024) | 0.48367 (15022024) | 0.42027 (15031924) | 0.42329 (15031924) |
| 3753923.1 | 0.56358 (15022024) | 0.50929 (15022024) | 0.48381 (15031924) | 0.44904 (15031924) | 0.44830 (15031924) |
| 3753873.1 | 0.54031 (15022024) | 0.51035 (15031924) | 0.50616 (15031924) | 0.47637 (15031924) | 0.45801 (15031924) |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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) |           |            |                     |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 3 YEARS \*\*\*

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

NETWORK

| GROUP ID | AVERAGE CONC                                                                    | 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

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

DATE NETWORK

| GROUP ID | AVERAGE CONC (YYMMDDHH) | RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID |
|----------|-------------------------|--------------------------------------------------------|
|----------|-------------------------|--------------------------------------------------------|

-----

ALL HIGH 1ST HIGH VALUE IS 62.74156 ON 16121108: AT ( 471524.27, 3753223.10, 487.20, 487.20, 0.00) GC UCART1

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\NOx\NOx.isc \*\*\* 12/03/19

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

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

| GROUP ID | AVERAGE CONC (YYMMDDHH) | DATE | NETWORK | RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) | OF TYPE GRID-ID |
|----------|-------------------------|------|---------|----------------------------------------|-----------------|
|----------|-------------------------|------|---------|----------------------------------------|-----------------|

-----

ALL HIGH 1ST HIGH VALUE IS 26.13380 ON 14020624: AT ( 471524.27, 3753273.10, 487.20, 487.20, 0.00) GC UCART1

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\NOx\NOx.isc \*\*\* 12/03/19

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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 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

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### 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<sub>10</sub>**

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** 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  
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|                   |        |                               |
|-------------------|--------|-------------------------------|
| 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

[illegible]

[illegible]

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| 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 |



\*\* 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

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\*\* 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

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\*\*\*\*\*

\*\* 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 \*\*\*

\*\*\*\*\*

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\*\*\* MODELOPTs: RegDEFAULT 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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     |      |
| 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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) | (METERS) |        | 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 |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL 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)            | (METERS) | 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 |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL 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) | (METERS)            | 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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            |      |    |
| ID       | CATS.             | (METERS)    | (METERS) | (METERS)  | (METERS) | (METERS) | (METERS)      |      |    |
|          |                   |             |          |           |          |          |               |      |    |
| 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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          |    |
| -----                |                   |                                              |          |              |          |          |          |             |    |
| 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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            |      |    |
| ID       | CATS.             | (METERS)    | (METERS) | (METERS)  | (METERS) | (METERS) | (METERS)      |      |    |
|          |                   |             |          |           |          |          |               |      |    |
| 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 |

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\*\*\* 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 ,  
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\*\*\* MODELOPTs: RegDEFAULT 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 ,  
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\*\*\* MODELOPTs: RegDEFAULT 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,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD    | X-COORD (METERS) |           |           |           |           |           |           |           |           |
|------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| (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 |

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\*\*\* MODELOPTs: RegDEFAULT 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 |

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|            |        |        |        |        |        |        |        |        |        |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |

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\*\*\* MODELOPTs: RegDEFAULT 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

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|            |        |        |        |        |        |        |        |        |        |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |

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\*\*\* MODELOPTs: RegDEFAULT 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       |
| *** AERMOD - VERSION 16216r *** C:\AERMOD\9309\PM10\PM10.isc |                  |           |           |           |           |           |           |           | *** 11/26/19 |
| *** AERMET - VERSION 16216 ***                               |                  |           |           |           |           | ***       | 08:30:06  |           |              |

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

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD    | X-COORD (METERS) |           |           |           |
|------------|------------------|-----------|-----------|-----------|
| (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    | X-COORD (METERS) |           |           |           |           |           |           |           |           |
|------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| (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  
\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM10\PM10.isc \*\*\* 11/26/19  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 08:30:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES 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 | 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   |
| *** AERMOD - VERSION 16216r *** C:\AERMOD\9309\PM10\PM10.isc |        |        |        |        |        |        |        | ***      | 11/26/19 |
| *** AERMET - VERSION 16216 ***                               |        |        |        |        |        |        | ***    | 08:30:06 |          |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES 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 | 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   |
| *** AERMOD - VERSION 16216r *** C:\AERMOD\9309\PM10\PM10.isc |        |        |        |        |        |        |          | ***    | 11/26/19 |
| *** AERMET - VERSION 16216 ***                               |        |        |        |        |        | ***    | 08:30:06 |        |          |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES 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 | 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 |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES IN METERS \*

|          |                  |           |           |           |
|----------|------------------|-----------|-----------|-----------|
| Y-COORD  | X-COORD (METERS) |           |           |           |
| (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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* 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); |                        |        |        |       |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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) |
| -----    |                           |             |          |
| 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 |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* METEOROLOGICAL DAYS SELECTED FOR PROCESSING \*\*\*

(1=YES; 0=NO)

```
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
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1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
```

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,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

Surface file: N:\AIR\_GHG\_NOISE\_Technical\001\_AIR\Meteorological\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)

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\*\*\* MODELOPTs: RegDEFAULT 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<sub>10</sub> IN MICROGRAMS/M\*\*3 \*\*

| Y-COORD    | X-COORD (METERS) |           |           |           |           |           |           |           |           |
|------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| (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   |

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\*\*\* 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 \*\*

X-COORD (METERS)  
(METERS) | 470774.27 470824.27 470874.27 470924.27 470974.27 471024.27 471074.27 471124.27 471174.27

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|            |         |         |         |         |         |         |         |         |         |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 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 |

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\*\*\* MODELOPTs: RegDEFAULT 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  | X-COORD (METERS) |           |           |           |           |           |           |           |           |
| (METERS) | 471224.27        | 471274.27 | 471324.27 | 471374.27 | 471424.27 | 471474.27 | 471524.27 | 471574.27 | 471624.27 |

-----

|            |         |         |         |         |         |         |         |         |         |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3754223.10 | 0.00014 | 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 |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM10\PM10.isc \*\*\* 11/26/19

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 08:30:06

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\*\*\* MODELOPTs: RegDEFAULT 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  | X-COORD (METERS) |           |           |           |           |           |           |           |           |
| (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 |

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\*\*\* MODELOPTs: RegDEFAULT 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  | X-COORD (METERS) |           |           |           |
| (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 |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM10\PM10.isc \*\*\* 11/26/19

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\*\*\* 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 |             |             |         |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM10\PM10.isc \*\*\* 11/26/19

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\*\*\* 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)  | 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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 |
| -----    |                  |           |           |           |           |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 3754223.1 | 0.00519 (15020620) | 0.00511 (15020620) | 0.00521 (15092002) | 0.00526 (14092923) | 0.00540 (16011223) |
| 3754173.1 | 0.00526 (16031307) | 0.00535 (15020620) | 0.00551 (15020620) | 0.00553 (15092002) | 0.00557 (14092923) |
| 3754123.1 | 0.00548 (16031307) | 0.00562 (16031307) | 0.00576 (16031307) | 0.00585 (15020620) | 0.00577 (15092002) |
| 3754073.1 | 0.00608 (16031307) | 0.00586 (16031307) | 0.00616 (16031307) | 0.00602 (16031307) | 0.00613 (15020620) |
| 3754023.1 | 0.00635 (16031307) | 0.00637 (16031307) | 0.00616 (16031307) | 0.00629 (16031307) | 0.00666 (16031307) |
| 3753973.1 | 0.00671 (16031307) | 0.00661 (16031307) | 0.00645 (16031307) | 0.00661 (16031307) | 0.00695 (16031307) |
| 3753923.1 | 0.00700 (16031307) | 0.00695 (16031307) | 0.00690 (16031307) | 0.00698 (16031307) | 0.00716 (16031307) |
| 3753873.1 | 0.00734 (16050106) | 0.00744 (16031307) | 0.00732 (16031307) | 0.00736 (16031307) | 0.00737 (16031307) |
| 3753823.1 | 0.00953 (16052306) | 0.00784 (16050106) | 0.00789 (16031307) | 0.00783 (16031307) | 0.00760 (16031307) |
| 3753773.1 | 0.00881 (16032107) | 0.00836 (16050106) | 0.00844 (16031307) | 0.00846 (16031307) | 0.00828 (15020620) |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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 (14101402) | 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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) |

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\*\*\* 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)  | 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) |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM10\PM10.isc \*\*\* 11/26/19

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 08:30:06

\*\*\* MODELOPTs: RegDEFAULT 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)  | 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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 |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 3754223.1 | 0.00749 (14040501) | 0.00755 (15092824) | 0.00763 (16093023) | 0.00746 (16100205) | 0.00742 (14120404) |
| 3754173.1 | 0.00762 (14060604) | 0.00799 (15092824) | 0.00807 (16093023) | 0.00763 (16100205) | 0.00762 (16090205) |
| 3754123.1 | 0.00791 (14072905) | 0.00813 (15092824) | 0.00843 (16093023) | 0.00789 (15102823) | 0.00783 (16090205) |
| 3754073.1 | 0.00807 (14072905) | 0.00822 (15092824) | 0.00837 (15020901) | 0.00807 (14120404) | 0.00780 (16081724) |
| 3754023.1 | 0.00835 (14072905) | 0.00841 (16093023) | 0.00837 (16100205) | 0.00822 (14120404) | 0.00802 (14101122) |
| 3753973.1 | 0.00885 (14072905) | 0.00889 (16093023) | 0.00875 (16100205) | 0.00862 (16090205) | 0.00838 (15032023) |
| 3753923.1 | 0.00947 (15092824) | 0.00947 (16093023) | 0.00927 (14120404) | 0.00899 (16081724) | 0.00884 (15082804) |
| 3753873.1 | 0.01018 (15092824) | 0.01009 (16093023) | 0.00996 (14120404) | 0.00962 (14101122) | 0.00936 (16040524) |
| 3753823.1 | 0.01098 (15092824) | 0.01086 (15020901) | 0.01071 (16090205) | 0.01035 (15082804) | 0.01026 (14081206) |
| 3753773.1 | 0.01202 (16081802) | 0.01184 (14120404) | 0.01149 (16081724) | 0.01113 (15082804) | 0.01078 (14081206) |
| 3753723.1 | 0.01337 (16081802) | 0.01304 (14120404) | 0.01261 (14060502) | 0.01201 (14081206) | 0.01130 (15080324) |
| 3753673.1 | 0.01477 (16081802) | 0.01475 (14120404) | 0.01414 (15082804) | 0.01314 (14081206) | 0.01208 (15072806) |
| 3753623.1 | 0.01675 (16081802) | 0.01691 (16090205) | 0.01602 (14081206) | 0.01444 (15080324) | 0.01324 (16022721) |
| 3753573.1 | 0.02140 (16081802) | 0.02062 (16081724) | 0.02008 (14081206) | 0.01774 (14030602) | 0.01535 (16010324) |
| 3753523.1 | 0.02615 (16081802) | 0.02515 (15082804) | 0.02331 (16010324) | 0.02166 (14083101) | 0.01815 (14101102) |
| 3753473.1 | 0.03742 (14021903) | 0.02922 (14071306) | 0.02644 (14071306) | 0.02216 (15081005) | 0.02005 (14101022) |
| 3753423.1 | 0.04760 (15011108) | 0.03465 (14071306) | 0.02865 (14101022) | 0.02399 (14122920) | 0.02179 (14122920) |
| 3753373.1 | 0.04916 (15011108) | 0.03668 (14122920) | 0.03045 (15091404) | 0.02513 (14021008) | 0.02275 (14021008) |
| 3753323.1 | 0.05189 (15073006) | 0.03906 (14021008) | 0.03172 (14021008) | 0.02675 (14021008) | 0.02302 (14053124) |
| 3753273.1 | 0.05353 (15073006) | 0.03947 (15010917) | 0.03168 (15010917) | 0.02683 (14090605) | 0.02358 (14090605) |
| 3753223.1 | 0.05315 (15101807) | 0.03931 (15101807) | 0.03142 (14062202) | 0.02671 (14062202) | 0.02345 (14062202) |
| 3753173.1 | 0.05481 (15081705) | 0.03642 (15092204) | 0.03008 (16041324) | 0.02598 (16041324) | 0.02308 (16041324) |
| 3753123.1 | 0.05652 (14021008) | 0.03712 (15092204) | 0.03008 (15080302) | 0.02572 (15080302) | 0.02250 (15080302) |
| 3753073.1 | 0.04505 (14080324) | 0.03566 (14080406) | 0.02911 (14080406) | 0.02507 (14052604) | 0.02161 (14052604) |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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) |

\*\*\* AERMOD - VERSION 16216r \*\*\*    \*\*\* C:\AERMOD\9309\PM10\PM10.isc    \*\*\*    11/26/19

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\*\*\* MODELOPTs: RegDEFAULT 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 |

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|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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) |

\*\*\* AERMOD - VERSION 16216r \*\*\*    \*\*\* C:\AERMOD\9309\PM10\PM10.isc    \*\*\*    11/26/19  
\*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\*    08:30:06

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\*\*\* MODELOPTs: RegDEFAULT 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

|             |             |                 |             |             |                 |
|-------------|-------------|-----------------|-------------|-------------|-----------------|
| X-COORD (M) | Y-COORD (M) | CONC (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC (YYMMDDHH) |
|-------------|-------------|-----------------|-------------|-------------|-----------------|

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|           |            |                    |           |            |                    |
|-----------|------------|--------------------|-----------|------------|--------------------|
| 471760.95 | 3752929.03 | 0.01754 (14072702) | 471633.36 | 3752929.03 | 0.02036 (14062805) |
| 471511.91 | 3752927.81 | 0.02731 (14081601) | 471378.18 | 3752924.12 | 0.05516 (15061604) |
| 471275.13 | 3752927.81 | 0.03139 (15071805) | 471448.11 | 3752870.15 | 0.02703 (16082502) |
| 471385.54 | 3752872.60 | 0.04430 (14120607) | 471324.20 | 3752870.15 | 0.03677 (14071304) |
| 471277.58 | 3752876.28 | 0.03287 (16062606) | 471162.26 | 3752926.58 | 0.02041 (15081302) |
| 471026.09 | 3752922.90 | 0.01831 (16062606) | 471233.42 | 3752873.83 | 0.02832 (16062606) |
| 471104.60 | 3752868.92 | 0.01947 (14103106) | 471000.32 | 3752872.60 | 0.01607 (16011922) |
| 470962.29 | 3752909.40 | 0.01977 (16062606) | 470866.60 | 3752908.18 | 0.02164 (16082303) |
| 470788.09 | 3752908.18 | 0.02257 (16060402) |           |            |                    |

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\*\*\* MODELOPTs: RegDEFAULT 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) | 470324.27        | 470374.27 | 470424.27 | 470474.27 | 470524.27 |

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|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 3754223.1 | 0.00092 (15030924) | 0.00092 (15030924) | 0.00091 (15030924) | 0.00088 (15030924) | 0.00085 (15100224) |
| 3754173.1 | 0.00100 (15030924) | 0.00100 (15030924) | 0.00099 (15030924) | 0.00096 (15030924) | 0.00092 (15030924) |
| 3754123.1 | 0.00105 (15030924) | 0.00106 (15030924) | 0.00105 (15030924) | 0.00103 (15030924) | 0.00098 (15030924) |
| 3754073.1 | 0.00107 (15030924) | 0.00107 (15030924) | 0.00107 (15030924) | 0.00109 (15030924) | 0.00113 (15030924) |
| 3754023.1 | 0.00107 (15030924) | 0.00109 (15030924) | 0.00114 (15030924) | 0.00119 (15030924) | 0.00122 (15030924) |
| 3753973.1 | 0.00114 (15092924) | 0.00118 (15092924) | 0.00126 (15092924) | 0.00128 (15092924) | 0.00130 (15092924) |
| 3753923.1 | 0.00123 (15092924) | 0.00131 (15092924) | 0.00151 (15092924) | 0.00146 (15092924) | 0.00149 (15092924) |
| 3753873.1 | 0.00130 (15092924) | 0.00139 (15092924) | 0.00158 (15092924) | 0.00167 (15092924) | 0.00173 (15092924) |
| 3753823.1 | 0.00138 (15092924) | 0.00156 (15092924) | 0.00158 (15092924) | 0.00170 (15030924) | 0.00182 (15092924) |
| 3753773.1 | 0.00147 (15092924) | 0.00165 (15092924) | 0.00159 (15092924) | 0.00172 (15030924) | 0.00185 (15030924) |
| 3753723.1 | 0.00169 (15092924) | 0.00181 (15092924) | 0.00174 (15092924) | 0.00176 (15092924) | 0.00185 (15092924) |
| 3753673.1 | 0.00202 (15092924) | 0.00204 (15092924) | 0.00201 (15092924) | 0.00196 (15092924) | 0.00200 (15092924) |
| 3753623.1 | 0.00207 (15092924) | 0.00223 (15092924) | 0.00229 (15092924) | 0.00230 (15092924) | 0.00226 (15092924) |
| 3753573.1 | 0.00186 (15092924) | 0.00217 (15092924) | 0.00242 (15092924) | 0.00258 (15092924) | 0.00264 (15092924) |
| 3753523.1 | 0.00207m(14041424) | 0.00201 (16092324) | 0.00217 (15092924) | 0.00256 (15092924) | 0.00285 (15092924) |
| 3753473.1 | 0.00248m(14041424) | 0.00248m(14041424) | 0.00237m(14041424) | 0.00235 (16092324) | 0.00257 (15092924) |
| 3753423.1 | 0.00246m(14041424) | 0.00269m(14041424) | 0.00282m(14041424) | 0.00283m(14041424) | 0.00279m(14041424) |
| 3753373.1 | 0.00210 (14072424) | 0.00219 (16040224) | 0.00253m(14041424) | 0.00285m(14041424) | 0.00316m(14041424) |
| 3753323.1 | 0.00219 (14072424) | 0.00234 (14072424) | 0.00248 (14072424) | 0.00255 (14072424) | 0.00271 (16010224) |
| 3753273.1 | 0.00202 (14072424) | 0.00218 (14072424) | 0.00233 (14072424) | 0.00239 (14072424) | 0.00258 (14072424) |
| 3753223.1 | 0.00210 (14121424) | 0.00218 (14121424) | 0.00219 (14121424) | 0.00189 (14121424) | 0.00198 (14121424) |

|                                 |                                  |                    |                    |                    |                    |
|---------------------------------|----------------------------------|--------------------|--------------------|--------------------|--------------------|
| 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) |
| *** AERMOD - VERSION 16216r *** | *** C:\AERMOD\9309\PM10\PM10.isc |                    |                    |                    | *** 11/26/19       |
| *** AERMET - VERSION 16216 ***  | ***                              |                    |                    |                    | 08:30:06           |

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\*\*\* MODELOPTs: RegDEFAULT 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) |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM10\PM10.isc \*\*\* 11/26/19  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 08:30:06

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\*\*\* MODELOPTs: RegDEFAULT 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 |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 3754223.1 | 0.00092 (15011124) | 0.00094 (15011124) | 0.00089 (15011124) | 0.00086 (14102024) | 0.00082 (14102024) |
| 3754173.1 | 0.00093 (15011124) | 0.00097 (15011124) | 0.00098 (15011124) | 0.00094 (14102024) | 0.00092 (14102024) |
| 3754123.1 | 0.00095 (14102024) | 0.00100 (15011124) | 0.00103 (15011124) | 0.00102 (15011124) | 0.00107 (14102024) |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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) |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM10\PM10.isc \*\*\* 11/26/19

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 08:30:06

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\*\*\* MODELOPTs: RegDEFAULT 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 PM10 IN MICROGRAMS/M\*\*3

\*\*

| Y-COORD   | X-COORD (METERS)   |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| (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) |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM10\PM10.isc \*\*\* 11/26/19

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 08:30:06

\*\*\* MODELOPTs: RegDEFAULT 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<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

| Y-COORD   | X-COORD (METERS)   |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| (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) |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM10\PM10.isc \*\*\* 11/26/19

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 08:30:06

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\*\*\* 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 |

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|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 3754223.1 | 0.00107 (14040424) | 0.00097 (14040424) | 0.00083 (14040424) | 0.00080 (15031924) | 0.00086 (15031924) |
| 3754173.1 | 0.00110 (14040424) | 0.00102 (14040424) | 0.00086 (14040424) | 0.00086 (15031924) | 0.00092 (15031924) |
| 3754123.1 | 0.00114 (14040424) | 0.00103 (14040424) | 0.00089 (14040424) | 0.00093 (15031924) | 0.00099 (15031924) |
| 3754073.1 | 0.00116 (14040424) | 0.00104 (14040424) | 0.00092 (15031924) | 0.00099 (15031924) | 0.00104 (15031924) |
| 3754023.1 | 0.00119 (14040424) | 0.00106 (14040424) | 0.00098 (15031924) | 0.00106 (15031924) | 0.00111 (15031924) |
| 3753973.1 | 0.00127 (14040424) | 0.00111 (14040424) | 0.00109 (15031924) | 0.00117 (15031924) | 0.00120 (15031924) |
| 3753923.1 | 0.00136 (14040424) | 0.00117 (14040424) | 0.00121 (15031924) | 0.00129 (15031924) | 0.00131 (15031924) |
| 3753873.1 | 0.00147 (14040424) | 0.00129 (14032124) | 0.00138 (15031924) | 0.00145 (15031924) | 0.00144 (15031924) |
| 3753823.1 | 0.00162 (14040424) | 0.00146 (15031924) | 0.00159 (15031924) | 0.00164 (15031924) | 0.00164 (15031924) |
| 3753773.1 | 0.00182 (14040424) | 0.00173 (15031924) | 0.00184 (15031924) | 0.00187 (15031924) | 0.00180 (15031924) |
| 3753723.1 | 0.00208 (14040424) | 0.00206 (15031924) | 0.00219 (15031924) | 0.00213 (15031924) | 0.00199 (15031924) |
| 3753673.1 | 0.00242 (14102724) | 0.00255 (15031924) | 0.00268 (15031924) | 0.00251 (15031924) | 0.00220 (15031924) |
| 3753623.1 | 0.00292 (15031924) | 0.00327 (15031924) | 0.00333 (15031924) | 0.00301 (15031924) | 0.00248 (15031924) |
| 3753573.1 | 0.00414 (15031924) | 0.00452 (15031924) | 0.00451 (15031924) | 0.00370 (15031924) | 0.00284 (15031924) |
| 3753523.1 | 0.00579 (15031924) | 0.00624 (15031924) | 0.00548 (15031924) | 0.00444 (15031924) | 0.00325 (15031924) |
| 3753473.1 | 0.00957 (15031924) | 0.00783 (15031924) | 0.00602 (15031924) | 0.00439 (15031924) | 0.00370 (15072824) |
| 3753423.1 | 0.01581m(16031824) | 0.00948 (14092124) | 0.00695 (14092124) | 0.00552 (15072824) | 0.00479 (15072824) |
| 3753373.1 | 0.01863b(16120624) | 0.01076 (14100924) | 0.00837 (14100924) | 0.00661 (14100924) | 0.00561 (14100924) |
| 3753323.1 | 0.02068b(16120624) | 0.01192 (14100924) | 0.00932 (14100924) | 0.00760 (14100924) | 0.00626 (14100924) |
| 3753273.1 | 0.02234b(16120624) | 0.01354b(16120624) | 0.00948 (15101824) | 0.00794 (15101824) | 0.00689 (15101824) |
| 3753223.1 | 0.02365b(16120624) | 0.01469b(16120624) | 0.01049b(16120624) | 0.00825 (15101824) | 0.00714 (15101824) |
| 3753173.1 | 0.02398b(16120624) | 0.01511b(16120624) | 0.01062b(16120624) | 0.00810 (15101824) | 0.00701 (15101824) |
| 3753123.1 | 0.02235b(16120624) | 0.01401b(16120624) | 0.01020b(16120624) | 0.00792b(16120624) | 0.00670 (16071324) |
| 3753073.1 | 0.01612b(16120624) | 0.01268b(16120624) | 0.00959b(16120624) | 0.00772b(16120624) | 0.00646 (16071324) |
| 3753023.1 | 0.01122b(16120624) | 0.01009b(16120624) | 0.00864b(16120624) | 0.00726b(16120624) | 0.00615b(16120624) |
| 3752973.1 | 0.00872b(16120624) | 0.00805b(16120624) | 0.00730b(16120624) | 0.00645b(16120624) | 0.00567b(16120624) |

|                                                                  |                    |                    |                    |                    |                    |
|------------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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) |
| *** AERMOD - VERSION 16216r *** *** C:\AERMOD\9309\PM10\PM10.isc |                    |                    |                    | *** 11/26/19       |                    |
| *** AERMET - VERSION 16216 *** ***                               |                    |                    |                    | *** 08:30:06       |                    |

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\*\*\* MODELOPTs: RegDEFAULT 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) | 471824.27        | 471874.27 | 471924.27 | 471974.27 | 472024.27 |

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|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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 |

-----

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 3754223.1 | 0.00085 (16083024) | 0.00086 (16083024) | 0.00083 (16083024) | 0.00076 (16083024) | 0.00069 (16083024) |
| 3754173.1 | 0.00091 (16083024) | 0.00088 (16083024) | 0.00083 (16083024) | 0.00074 (16083024) | 0.00065 (16083024) |
| 3754123.1 | 0.00094 (16083024) | 0.00089 (16083024) | 0.00081 (16083024) | 0.00070 (16083024) | 0.00065 (15022024) |
| 3754073.1 | 0.00096 (16083024) | 0.00089 (16083024) | 0.00077 (16083024) | 0.00068 (15022024) | 0.00062 (15022024) |
| 3754023.1 | 0.00096 (16083024) | 0.00085 (16083024) | 0.00074 (15022024) | 0.00066 (15022024) | 0.00062 (15031924) |
| 3753973.1 | 0.00093 (16083024) | 0.00081 (15022024) | 0.00076 (15031924) | 0.00069 (15031924) | 0.00069 (15031924) |
| 3753923.1 | 0.00087 (16083024) | 0.00082 (15031924) | 0.00079 (15031924) | 0.00073 (15031924) | 0.00073 (15031924) |
| 3753873.1 | 0.00089 (15031924) | 0.00084 (15031924) | 0.00082 (15031924) | 0.00077 (15031924) | 0.00074 (15031924) |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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)  
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\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 08:30:06  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 3 YEARS \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

.....

ALL 1ST HIGHEST VALUE IS 0.02157 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

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM10\PM10.isc \*\*\* 11/26/19

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

DATE

NETWORK

GROUP ID AVERAGE CONC (YYMMDDHH) RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

-----

ALL HIGH 1ST HIGH VALUE IS 0.11530 ON 14101007: AT ( 471024.27, 3753173.10, 494.40, 494.40, 0.00) GC UCART1

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM10\PM10.isc \*\*\* 11/26/19

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

| GROUP ID | AVERAGE CONC (YYMMDDHH) | DATE | NETWORK | RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) | OF TYPE GRID-ID |
|----------|-------------------------|------|---------|----------------------------------------|-----------------|
|----------|-------------------------|------|---------|----------------------------------------|-----------------|

-----

ALL HIGH 1ST HIGH VALUE IS 0.04433 ON 16012024: AT ( 471074.27, 3753173.10, 492.60, 492.60, 0.00) GC UCART1

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM10\PM10.isc \*\*\* 11/26/19

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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 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

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### 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<sub>2.5</sub>**

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** 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

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|                   |        |                               |
|-------------------|--------|-------------------------------|
| 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 |

[illegible]

[illegible]

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| 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 |



\*\* 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

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\*\* 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

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SRCGROUP ALL

SO FINISHED

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\*\* AERMOD Receptor Pathway

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RE STARTING

INCLUDED PM2.rou

RE FINISHED

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\*\* AERMOD Meteorology Pathway

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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

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\*\*\*\*\*

\*\* AERMOD Output Pathway

\*\*\*\*\*

\*\*

\*\*

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

RECTABLE 24 1ST

\*\* Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST 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 \*\*\*

\*\*\*\*\*

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\*\*\* MODELOPTs: RegDEFAULT 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\_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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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     |      |
| 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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) | (METERS) |        | 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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)            | (METERS) | 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 |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL 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) | (METERS) | 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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                 |
| -----                |                   |              |          |           |          |                     |          |                    |
| 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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     |             |

|          |   |             |          |           |       |      |      |      |    |
|----------|---|-------------|----------|-----------|-------|------|------|------|----|
| 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 |

|          |   |             |          |           |       |      |      |      |    |
|----------|---|-------------|----------|-----------|-------|------|------|------|----|
| 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 |

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\*\*\* 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 ,  
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\*\*\* 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 ,  
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\*\*\* MODELOPTs: RegDEFAULT 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,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD    | X-COORD (METERS) |           |           |           |           |           |           |           |           |
|------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| (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 |

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\*\*\* 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 |

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|            |        |        |        |        |        |        |        |        |        |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM2\PM2.isc \*\*\* 11/25/19

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\*\*\* MODELOPTs: RegDEFAULT 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

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|            |        |        |        |        |        |        |        |        |        |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |

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\*\*\* MODELOPTs: RegDEFAULT 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    |
| *** AERMOD - VERSION 16216r *** C:\AERMOD\9309\PM2\PM2.isc *** 11/25/19 |                  |           |           |           |           |              |           |           |           |
| *** AERMET - VERSION 16216 ***                                          |                  |           |           |           |           | *** 14:10:19 |           |           |           |

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

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD    | X-COORD (METERS) |           |           |           |
|------------|------------------|-----------|-----------|-----------|
| (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: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES IN METERS \*

| Y-COORD  | X-COORD (METERS) |           |           |           |           |           |           |           |           |
|----------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| (METERS) | 470324.27        | 470374.27 | 470424.27 | 470474.27 | 470524.27 | 470574.27 | 470624.27 | 470674.27 | 470724.27 |

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|            |        |        |        |        |        |        |        |        |        |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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  
\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM2\PM2.isc \*\*\* 11/25/19  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES 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 | 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 |
| *** AERMOD - VERSION 16216r *** C:\AERMOD\9309\PM2\PM2.isc |        |        |        |        |        |        |        | *** 11/25/19 |        |
| *** AERMET - VERSION 16216 ***                             |        |        |        |        |        |        |        | *** 14:10:19 |        |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES 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 | 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 |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES 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 | 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 |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

\* HILL HEIGHT SCALES IN METERS \*

|          |                  |           |           |           |
|----------|------------------|-----------|-----------|-----------|
| Y-COORD  | X-COORD (METERS) |           |           |           |
| (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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* 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); |                        |        |        |       |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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 ID | -- RECEPTOR LOCATION -- |             | DISTANCE (METERS) |
|-----------|-------------------------|-------------|-------------------|
|           | XR (METERS)             | YR (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 |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* METEOROLOGICAL DAYS SELECTED FOR PROCESSING \*\*\*

(1=YES; 0=NO)

```
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
```

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,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

Surface file: N:\AIR\_GHG\_NOISE\_Technical\001\_AIR\Meteorological\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)

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\*\*\* MODELOPTs: RegDEFAULT 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<sub>2.5</sub> IN MICROGRAMS/M\*\*3 \*\*

| Y-COORD    | X-COORD (METERS) |           |           |           |           |           |           |           |           |
|------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| (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   |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM2\PM2.isc \*\*\* 11/25/19

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\*\*\* MODELOPTs: RegDEFAULT 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 \*\*

X-COORD (METERS)  
(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 |

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\*\*\* MODELOPTs: RegDEFAULT 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  | X-COORD (METERS) |           |           |           |           |           |           |           |           |
| (METERS) | 471224.27        | 471274.27 | 471324.27 | 471374.27 | 471424.27 | 471474.27 | 471524.27 | 471574.27 | 471624.27 |

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|            |         |         |         |         |         |         |         |         |         |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 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 |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM2\PM2.isc \*\*\* 11/25/19

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\*\*\* MODELOPTs: RegDEFAULT 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  | X-COORD (METERS) |           |           |           |           |           |           |           |           |
| (METERS) | 471674.27        | 471724.27 | 471774.27 | 471824.27 | 471874.27 | 471924.27 | 471974.27 | 472024.27 | 472074.27 |

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|            |         |         |         |         |         |         |         |         |         |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 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 |

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\*\*\* MODELOPTs: RegDEFAULT 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  | X-COORD (METERS) |           |           |           |
| (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

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\*\*\* 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 , . . . ,

\*\*\* 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 |              |             |         |
| *** AERMOD - VERSION 16216r *** C:\AERMOD\9309\PM2\PM2.isc |             |         | *** 11/25/19 |             |         |
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\*\*\* 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)  | 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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) |

\*\*\* AERMOD - VERSION 16216r \*\*\* \*\*\* C:\AERMOD\9309\PM2\PM2.isc \*\*\* 11/25/19

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\*\*\* MODELOPTs: RegDEFAULT 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) |

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\*\*\* MODELOPTs: RegFAULT 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)  | 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) |

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\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 14:10:19

\*\*\* MODELOPTs: RegDEFAULT 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<sub>2.5</sub> IN MICROGRAMS/M\*\*3 \*\*

| Y-COORD   | X-COORD (METERS)   |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| (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) |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM2\PM2.isc \*\*\* 11/25/19

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 14:10:19

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\*\*\* MODELOPTs: RegDEFAULT 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 |

-----

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 3754223.1 | 0.00676 (14040501) | 0.00682 (15092824) | 0.00690 (16093023) | 0.00674 (16100205) | 0.00672 (14120404) |
| 3754173.1 | 0.00688 (14060604) | 0.00721 (15092824) | 0.00729 (16093023) | 0.00690 (16100205) | 0.00691 (16090205) |
| 3754123.1 | 0.00714 (14072905) | 0.00734 (15092824) | 0.00762 (16093023) | 0.00714 (14120404) | 0.00709 (16090205) |
| 3754073.1 | 0.00728 (14072905) | 0.00742 (15092824) | 0.00757 (15020901) | 0.00730 (14120404) | 0.00707 (16081724) |
| 3754023.1 | 0.00753 (14072905) | 0.00759 (16093023) | 0.00756 (16100205) | 0.00743 (14120404) | 0.00726 (14101122) |
| 3753973.1 | 0.00799 (14072905) | 0.00803 (16093023) | 0.00790 (16100205) | 0.00780 (16090205) | 0.00759 (14050505) |
| 3753923.1 | 0.00854 (15092824) | 0.00855 (16093023) | 0.00838 (14120404) | 0.00814 (16081724) | 0.00801 (15082804) |
| 3753873.1 | 0.00918 (15092824) | 0.00912 (16093023) | 0.00901 (14120404) | 0.00871 (14101122) | 0.00849 (16040524) |
| 3753823.1 | 0.00991 (15092824) | 0.00982 (15020901) | 0.00968 (16090205) | 0.00938 (15082804) | 0.00932 (14081206) |
| 3753773.1 | 0.01085 (16081802) | 0.01070 (14120404) | 0.01040 (16081724) | 0.01009 (15082804) | 0.00979 (14081206) |
| 3753723.1 | 0.01208 (16081802) | 0.01179 (14120404) | 0.01142 (14060502) | 0.01090 (14081206) | 0.01028 (15082006) |
| 3753673.1 | 0.01336 (16081802) | 0.01336 (14120404) | 0.01282 (15082804) | 0.01194 (14081206) | 0.01110 (15072806) |
| 3753623.1 | 0.01517 (16081802) | 0.01534 (16090205) | 0.01455 (14081206) | 0.01328 (15091003) | 0.01225 (16022721) |
| 3753573.1 | 0.01943 (15092824) | 0.01872 (16081724) | 0.01826 (14081206) | 0.01641 (14030602) | 0.01425 (16010324) |
| 3753523.1 | 0.02377 (16081802) | 0.02288 (15082804) | 0.02152 (16010324) | 0.02008 (14083101) | 0.01691 (14101102) |
| 3753473.1 | 0.03404 (14021903) | 0.02683 (14071306) | 0.02453 (14071306) | 0.02070 (15081005) | 0.01875 (14101022) |
| 3753423.1 | 0.04336 (15011108) | 0.03229 (14071306) | 0.02683 (14101022) | 0.02250 (14122920) | 0.02047 (14122920) |
| 3753373.1 | 0.04523 (14071306) | 0.03442 (14122920) | 0.02863 (15091404) | 0.02361 (14021008) | 0.02140 (14021008) |
| 3753323.1 | 0.04769 (15091224) | 0.03666 (14021008) | 0.02983 (14021008) | 0.02517 (14021008) | 0.02169 (14053124) |
| 3753273.1 | 0.04900 (15010917) | 0.03703 (15010917) | 0.02977 (15010917) | 0.02527 (14090605) | 0.02220 (14090605) |
| 3753223.1 | 0.04964 (15101807) | 0.03679 (15101807) | 0.02953 (14062202) | 0.02510 (14062202) | 0.02202 (14062202) |
| 3753173.1 | 0.04979 (15081705) | 0.03394 (15092204) | 0.02809 (16041324) | 0.02426 (16041324) | 0.02155 (16041324) |
| 3753123.1 | 0.04967 (14021008) | 0.03372 (15090523) | 0.02769 (15080302) | 0.02377 (15080302) | 0.02085 (15080302) |
| 3753073.1 | 0.04071 (14080324) | 0.03252 (14080406) | 0.02664 (14080406) | 0.02303 (14052604) | 0.01992 (14052604) |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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 |

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|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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) |

\*\*\* AERMOD - VERSION 16216r \*\*\*    \*\*\* C:\AERMOD\9309\PM2\PM2.isc    \*\*\*    11/25/19

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\*\*\* MODELOPTs: RegDEFAULT 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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 PM2.5 IN MICROGRAMS/M\*\*3 \*\*

|             |             |                 |             |             |                 |
|-------------|-------------|-----------------|-------------|-------------|-----------------|
| X-COORD (M) | Y-COORD (M) | CONC (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC (YYMMDDHH) |
|-------------|-------------|-----------------|-------------|-------------|-----------------|



-----

|           |            |                    |           |            |                    |
|-----------|------------|--------------------|-----------|------------|--------------------|
| 471760.95 | 3752929.03 | 0.01600 (14072702) | 471633.36 | 3752929.03 | 0.01880 (14062805) |
| 471511.91 | 3752927.81 | 0.02475 (14081601) | 471378.18 | 3752924.12 | 0.04881 (15061604) |
| 471275.13 | 3752927.81 | 0.02788 (15071805) | 471448.11 | 3752870.15 | 0.02420 (16082502) |
| 471385.54 | 3752872.60 | 0.03936 (14120607) | 471324.20 | 3752870.15 | 0.03283 (14071304) |
| 471277.58 | 3752876.28 | 0.02932 (16062606) | 471162.26 | 3752926.58 | 0.01822 (15081302) |
| 471026.09 | 3752922.90 | 0.01732 (16062606) | 471233.42 | 3752873.83 | 0.02546 (16062606) |
| 471104.60 | 3752868.92 | 0.01736 (14103106) | 471000.32 | 3752872.60 | 0.01560 (16011922) |
| 470962.29 | 3752909.40 | 0.01904 (16062606) | 470866.60 | 3752908.18 | 0.02057 (16082303) |
| 470788.09 | 3752908.18 | 0.02156 (16060402) |           |            |                    |

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\*\*\* MODELOPTs: RegDEFAULT 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) | 470324.27        | 470374.27 | 470424.27 | 470474.27 | 470524.27 |

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|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 3754223.1 | 0.00085 (15030924) | 0.00085 (15030924) | 0.00083 (15030924) | 0.00080 (15030924) | 0.00079 (15100224) |
| 3754173.1 | 0.00093 (15030924) | 0.00093 (15030924) | 0.00091 (15030924) | 0.00088 (15030924) | 0.00084 (15030924) |
| 3754123.1 | 0.00097 (15030924) | 0.00098 (15030924) | 0.00097 (15030924) | 0.00094 (15030924) | 0.00090 (15030924) |
| 3754073.1 | 0.00099 (15030924) | 0.00099 (15030924) | 0.00099 (15030924) | 0.00100 (15030924) | 0.00104 (15030924) |
| 3754023.1 | 0.00100 (15030924) | 0.00101 (15030924) | 0.00106 (15030924) | 0.00110 (15030924) | 0.00112 (15030924) |
| 3753973.1 | 0.00105 (15092924) | 0.00109 (15092924) | 0.00116 (15092924) | 0.00119 (15092924) | 0.00121 (15092924) |
| 3753923.1 | 0.00113 (15092924) | 0.00121 (15092924) | 0.00139 (15092924) | 0.00135 (15092924) | 0.00138 (15092924) |
| 3753873.1 | 0.00121 (15092924) | 0.00129 (15092924) | 0.00146 (15092924) | 0.00154 (15092924) | 0.00160 (15092924) |
| 3753823.1 | 0.00128 (15092924) | 0.00145 (15092924) | 0.00150 (15030924) | 0.00161 (15030924) | 0.00169 (15092924) |
| 3753773.1 | 0.00136 (15092924) | 0.00153 (15092924) | 0.00148 (15092924) | 0.00163 (15030924) | 0.00174 (15030924) |
| 3753723.1 | 0.00158 (15092924) | 0.00169 (15092924) | 0.00161 (15092924) | 0.00163 (15092924) | 0.00175 (15030924) |
| 3753673.1 | 0.00190 (15092924) | 0.00191 (15092924) | 0.00188 (15092924) | 0.00182 (15092924) | 0.00186 (15092924) |
| 3753623.1 | 0.00196 (15092924) | 0.00210 (15092924) | 0.00215 (15092924) | 0.00215 (15092924) | 0.00210 (15092924) |
| 3753573.1 | 0.00177 (15092924) | 0.00206 (15092924) | 0.00229 (15092924) | 0.00243 (15092924) | 0.00247 (15092924) |
| 3753523.1 | 0.00194m(14041424) | 0.00188 (16092324) | 0.00207 (15092924) | 0.00243 (15092924) | 0.00270 (15092924) |
| 3753473.1 | 0.00234m(14041424) | 0.00234m(14041424) | 0.00223m(14041424) | 0.00220 (16092324) | 0.00245 (15092924) |
| 3753423.1 | 0.00233m(14041424) | 0.00255m(14041424) | 0.00268m(14041424) | 0.00268m(14041424) | 0.00263m(14041424) |
| 3753373.1 | 0.00198 (14072424) | 0.00207 (16040224) | 0.00241m(14041424) | 0.00271m(14041424) | 0.00301m(14041424) |
| 3753323.1 | 0.00207 (14072424) | 0.00221 (14072424) | 0.00235 (14072424) | 0.00241 (14072424) | 0.00257 (16010224) |
| 3753273.1 | 0.00190 (14072424) | 0.00205 (14072424) | 0.00219 (14072424) | 0.00226 (14072424) | 0.00244 (14072424) |
| 3753223.1 | 0.00198 (14121424) | 0.00206 (14121424) | 0.00207 (14121424) | 0.00179 (14121424) | 0.00188 (14121424) |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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 |
| -----    |                  |           |           |           |           |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 3754223.1 | 0.00078 (15100224) | 0.00076 (15100224) | 0.00076 (15100224) | 0.00074 (14092324) | 0.00079 (15011124) |
| 3754173.1 | 0.00079 (15100224) | 0.00081 (15100224) | 0.00083 (15100224) | 0.00081 (15100224) | 0.00081 (15011124) |
| 3754123.1 | 0.00087 (15030924) | 0.00086 (15030924) | 0.00087 (15100224) | 0.00088 (15100224) | 0.00085 (14102024) |
| 3754073.1 | 0.00102 (15030924) | 0.00096 (15030924) | 0.00096 (15030924) | 0.00091 (15100224) | 0.00093 (14102024) |
| 3754023.1 | 0.00110 (15030924) | 0.00109 (15030924) | 0.00103 (15030924) | 0.00100 (15030924) | 0.00104 (14102024) |
| 3753973.1 | 0.00122 (15092924) | 0.00119 (15092924) | 0.00114 (15092924) | 0.00113 (15030924) | 0.00113 (15030924) |
| 3753923.1 | 0.00137 (15092924) | 0.00136 (15092924) | 0.00134 (15092924) | 0.00131 (15092924) | 0.00126 (15092924) |
| 3753873.1 | 0.00156 (15092924) | 0.00154 (15092924) | 0.00154 (15092924) | 0.00156 (15092924) | 0.00149 (15092924) |
| 3753823.1 | 0.00180 (15092924) | 0.00174 (15092924) | 0.00173 (15092924) | 0.00180 (15092924) | 0.00172 (15092924) |
| 3753773.1 | 0.00183 (15092924) | 0.00182 (15092924) | 0.00189 (15092924) | 0.00202 (15092924) | 0.00200 (15092924) |
| 3753723.1 | 0.00186 (15092924) | 0.00191 (15092924) | 0.00203 (15092924) | 0.00216 (15092924) | 0.00224 (15092924) |
| 3753673.1 | 0.00193 (15092924) | 0.00204 (15092924) | 0.00208 (15092924) | 0.00224 (15092924) | 0.00240 (15092924) |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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) |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM2\PM2.isc \*\*\* 11/25/19  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 14:10:19

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\*\*\* 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)  | 470824.27          | 470874.27          | 470924.27          | 470974.27          | 471024.27          |
| -----     |                    |                    |                    |                    |                    |
| 3754223.1 | 0.00084 (15011124) | 0.00086 (15011124) | 0.00082 (15011124) | 0.00078 (14102024) | 0.00075 (14102024) |
| 3754173.1 | 0.00085 (15011124) | 0.00089 (15011124) | 0.00089 (15011124) | 0.00086 (15011124) | 0.00084 (14102024) |
| 3754123.1 | 0.00088 (14102024) | 0.00092 (15011124) | 0.00095 (15011124) | 0.00093 (15011124) | 0.00097 (14102024) |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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) |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM2\PM2.isc \*\*\* 11/25/19

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 14:10:19

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\*\*\* MODELOPTs: RegDEFAULT 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)                                                                   | 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) |
| *** AERMOD - VERSION 16216r *** ** C:\AERMOD\9309\PM2\PM2.isc *** 11/25/19 |                    |                    |                    |                    |                    |
| *** AERMET - VERSION 16216 *** *** 14:10:19                                |                    |                    |                    |                    |                    |
| PAGE 45                                                                    |                    |                    |                    |                    |                    |
| *** MODELOPTs: RegDEFAULT 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<sub>2.5</sub> IN MICROGRAMS/M\*\*3 \*\*

| Y-COORD   | X-COORD (METERS)   |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| (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) |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM2\PM2.isc \*\*\* 11/25/19

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 14:10:19

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\*\*\* MODELOPTs: RegDEFAULT 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) |

\*\*\* AERMOD - VERSION 16216r \*\*\* \*\*\* C:\AERMOD\9309\PM2\PM2.isc \*\*\* 11/25/19

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\*\*\* MODELOPTs: RegDEFAULT 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) | 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) |

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM2\PM2.isc \*\*\* 11/25/19  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 14:10:19

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\*\*\* MODELOPTs: RegDEFAULT 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 |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 3754223.1 | 0.00079 (16083024) | 0.00079 (16083024) | 0.00076 (16083024) | 0.00070 (16083024) | 0.00063 (16083024) |
| 3754173.1 | 0.00083 (16083024) | 0.00081 (16083024) | 0.00075 (16083024) | 0.00068 (16083024) | 0.00060 (15022024) |
| 3754123.1 | 0.00086 (16083024) | 0.00081 (16083024) | 0.00074 (16083024) | 0.00064 (16083024) | 0.00060 (15022024) |
| 3754073.1 | 0.00088 (16083024) | 0.00081 (16083024) | 0.00070 (16083024) | 0.00062 (15022024) | 0.00057 (15022024) |
| 3754023.1 | 0.00088 (16083024) | 0.00078 (16083024) | 0.00068 (15022024) | 0.00060 (15022024) | 0.00058 (15031924) |
| 3753973.1 | 0.00085 (16083024) | 0.00074 (15022024) | 0.00070 (15031924) | 0.00064 (15031924) | 0.00064 (15031924) |
| 3753923.1 | 0.00080 (15031924) | 0.00075 (15031924) | 0.00073 (15031924) | 0.00067 (15031924) | 0.00067 (15031924) |
| 3753873.1 | 0.00082 (15031924) | 0.00077 (15031924) | 0.00076 (15031924) | 0.00071 (15031924) | 0.00069 (15031924) |

|           |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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) |

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\*\*\* MODELOPTs: RegDEFAULT 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)  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 3 YEARS \*\*\*

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID  
.....

ALL 1ST HIGHEST VALUE IS 0.02118 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3 \*\*

DATE

NETWORK

GROUP ID AVERAGE CONC (YYMMDDHH) RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

-----

ALL HIGH 1ST HIGH VALUE IS 0.11247 ON 14101007: AT ( 471024.27, 3753173.10, 494.40, 494.40, 0.00) GC UCART1

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3 \*\*

|          | DATE                    | NETWORK                                                |
|----------|-------------------------|--------------------------------------------------------|
| GROUP ID | AVERAGE CONC (YYMMDDHH) | RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID |

-----

ALL HIGH 1ST HIGH VALUE IS 0.04335 ON 16012024: AT ( 471074.27, 3753173.10, 492.60, 492.60, 0.00) GC UCART1

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

\*\*\* AERMOD - VERSION 16216r \*\*\* C:\AERMOD\9309\PM2\PM2.isc \*\*\* 11/25/19

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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 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

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### 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     |