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# **Knox Business Park**

## **MOBILE SOURCE HEALTH RISK ASSESSMENT**

### **COUNTY OF RIVERSIDE**

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## **LIST OF ABBREVIATED TERMS**

|         |   |
|---------|---|
| (1)     | Reference   |
| µg      | Microgram   |
| AERMOD  | Atmospheric Dispersion Modeling System            |
| APS     | Auxiliary Power System                            |
| AQMD    | Air Quality Management District                   |
| ARB     | Air Resources Board                               |
| CEQA    | California Environmental Quality Act              |
| CPF     | Cancer Potency Factor                             |
| DPM     | Diesel Particulate Matter                         |
| EMFAC   | Emission Factor Model                             |
| EPA     | Environmental Protection Agency                   |
| HHD     | Heavy Heavy-Duty                                  |
| HI      | Hazard Index                                      |
| HRA     | Health Risk Assessment                            |
| LHD     | Light Heavy-Duty                                  |
| MATES   | Multiple Air Toxics Exposure Study                |
| MEIR    | Maximally Exposed Individual Receptor             |
| MEISC   | Maximally Exposed Individual School Child         |
| MEIW    | Maximally Exposed Individual Worker               |
| MHD     | Medium Heavy-Duty                                 |
| NAD     | North American Datum                              |
| OEHHA   | Office of Environmental Health Hazard             |
| PCE     | Passenger Car Equivalent                          |
| PM10    | Particulate Matter 10 microns in diameter or less |
| Project | Knox Business Park                                |
| REL     | Reference Exposure Level                          |
| RM      | Recommended Measures                              |
| SCAQMD  | South Coast Air Quality Management District       |
| SRA     | Source Receptor Area                              |
| TAC     | Toxic Air Contaminant                             |
| TIA     | Traffic Impact Analysis                           |
| URF     | Unit Risk Factor                                  |
| UTM     | Universal Transverse Mercator                     |
| VMT     | Vehicle Miles Traveled                            |

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## EXECUTIVE SUMMARY

This report evaluated the potential mobile source health risk impacts to sensitive receptors (residents and schools) and adjacent workers associated with the development of the proposed Project, more specifically, health risk impacts as a result of exposure to diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project mobile source health risks.

The results of the health risk assessment of lifetime cancer risk from Project-generated DPM emissions are provided in Table ES-1 below for the Project.

### Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located approximately 191 feet south of the Project site. At maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 6.19 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.004, which would not exceed the applicable threshold of 1.0. Exhibit 2-C illustrates the nearest modeled residential receptors and the MEIR.

### Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located east, immediately adjacent to the Project site. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 0.91 in one million which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.003, which would not exceed the applicable threshold of 1.0. Exhibit 2-D illustrates the nearest modeled worker receptors and the MEIW.

### School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions is located at Thomas Rivera Middle School located approximately 1 mile (5,280 feet) southwest of the Project site. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact at this location is 0.01 in one million which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.00007 which would not exceed the applicable threshold of 1.0. Exhibit 2-D illustrates the nearest modeled school receptors and the MEISC.

The results of the analysis also indicate that the project will not result in a significant cumulative health risk. Section 2.7 contains a detailed cumulative analysis for the Project.

TABLE ES-1: SUMMARY OF CANCER RISKS

| Time Period                     | Location                           | Maximum Lifetime Cancer Risk (Risk per Million) | Significance Threshold (Risk per Million) | Exceeds Significance Threshold |
|---------------------------------|------------------------------------|---|---|--------------------------------|
| 70 Year Exposure (2017 to 2086) | Maximum Exposed Sensitive Receptor | 6.19  | 10  | NO                             |
| 40 Year Exposure (2017 to 2056) | Maximum Exposed Worker Receptor    | 0.91  | 10  | NO                             |
| 9 Year Exposure (2017 to 2025)  | Maximum Exposed School Child       | 0.01  | 10  | NO                             |



# 1 INTRODUCTION

The purpose of this Health Risk Assessment (HRA) is to evaluate Project-related impacts to sensitive receptors (residential, schools) and adjacent workers as a result of heavy-duty diesel trucks accessing the site.

The South Coast Air Quality Management District (SCAQMD) typically issues a comment letter on the Notice of Preparation of a CEQA Document. Per the SCAQMD's typical comment letter, if a proposed Project is expected to generate/attract diesel trucks, which emit diesel particulate matter (DPM), preparation of a HRA is necessary. This document serves to meet the SCAQMD's request for preparation of a HRA. The mobile source HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1) and is comprised of all relevant and appropriate procedures presented by the U.S. EPA, California Environmental Protection Agency and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to DPM exposure. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulative impact.

The AQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (2). In this report the AQMD clearly states (Page D-3):

*"...the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for toxic air contaminant (TAC) emissions. The project specific (project increment) significance threshold is  $HI > 1.0$  while the cumulative (facility-wide) is  $HI > 3.0$ . It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.*

*Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant."*

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

## **1.1 SITE LOCATION**

The proposed Knox Business Park site is located south of Oleander Avenue and on either side of Decker Road in unincorporated County of Riverside, as shown on Exhibit 1-A. The Project site is mostly vacant with one vacant structure within the southern portion of the site. Nearby existing residential land uses are located west and south of the Project site. An existing high-cube warehouse/distribution land use is located northeast of the Project site along Oleander Avenue.

## **1.2 PROJECT DESCRIPTION**

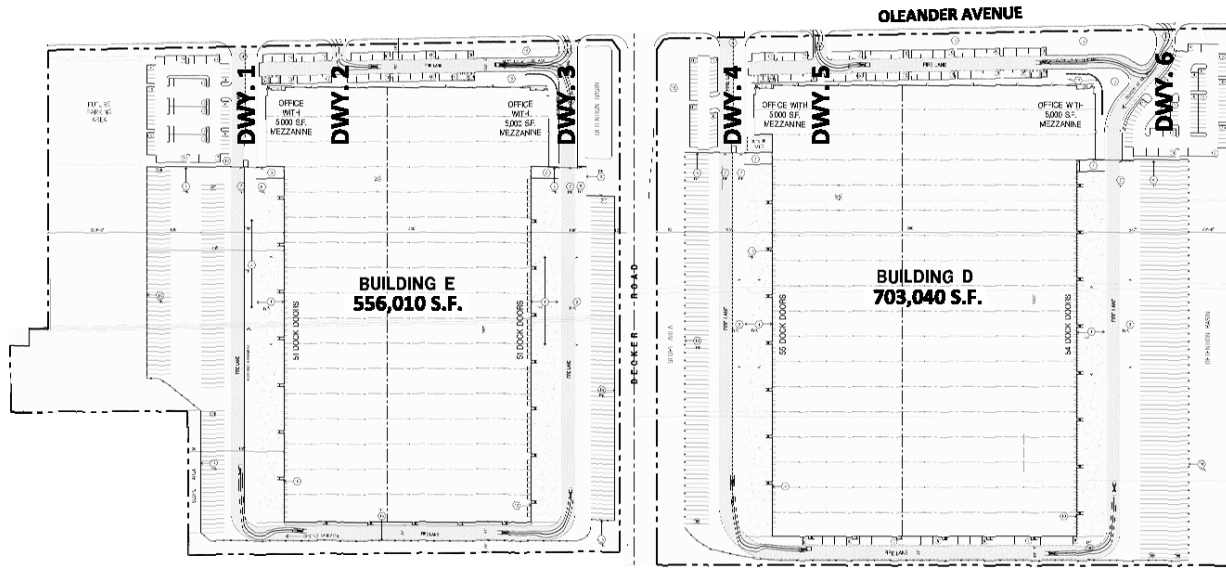
The Project is proposed to consist of approximately 1,259,050 square feet of high-cube warehouse/distribution center uses divided over two buildings: Building D (703,040 square feet) and Building E (556,010 square feet), as shown on Exhibit 1-B. At the time this HRA was prepared, the future tenants of the proposed Project were unknown. This analysis assumes the Project would be operational 24 hours per day, seven days per week, which is a conservative assumption that may overstate the diesel particulate matter emissions. This analysis does not account for emissions and impacts associated with tenants that require cold storage (refrigeration). The Project is anticipated to be constructed and occupied by Year 2017.

As part of the Project's design, all on-site outdoor cargo handling equipment (CHE) (i.e. yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) will be powered by diesel fueled engines that comply with the California Air Resources Board (CARB)/U.S. EPA Tier IV Engine standards for off-road vehicles or better (defined as less than or equal to 0.015 g/bhp-hr for PM10) and all on-site indoor forklifts shall be powered by electricity, compressed natural gas, or propane.

EXHIBIT 1-A: LOCATION MAP



EXHIBIT 1-B: PRELIMINARY SITE PLAN



## 2 BACKGROUND

### 2.1 REGULATORY SETTING

CARB estimates that the average Californian is exposed to 1.2-1.8 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) of DPM, this exposure results in an average cancer risk of 360-540 in one million for the average Californian exposed to DPM (3).

As noted above, this HRA is based on SCAQMD guidelines to produce conservative estimates of risk posed by exposure to DPM. The conservative nature of this analysis is due primarily to the following factors:

The CARB-adopted diesel exhaust unit risk factor (URF) of 300 in one million per  $\mu\text{g}/\text{m}^3$  is based upon Scientific Review Panel's review of the report *Proposed Identification of Diesel Exhaust as a Toxic Air Contaminant* prepared by CARB. CARB's basis for determining diesel exhaust a toxic air contaminant is based on epidemiological studies as outlined in the Scientific Review Panel's assessment. The risk estimates assume sensitive receptors will be subject to DPM for 24 hours a day, 350 days a year. As a conservative measure, the SCAQMD does not recognize indoor adjustments for residents. However, the typical person spends the majority of their time indoors versus remaining outdoors for 24 hours a day, 350 days a year.<sup>1</sup>

The exposure to DPM is assumed to be constant for the given period analyzed (i.e., 70 years). It should be noted however that emissions from DPM are expected to substantially decrease in the future with the implementation of standard regulatory requirements and technological advancement to reduce DPM.

The emissions derived assume that every truck accessing the project site will idle for 15 minutes, this is an overestimation of actual idling times and thus conservative.<sup>2</sup>

### 2.2 EMISSIONS ESTIMATION

Vehicle DPM emissions were estimated using emission factors for particulate matter less than  $10\mu\text{m}$  in diameter ( $\text{PM}_{10}$ ) generated with the 2014 version of the Emission FACTor model (EMFAC) developed by the ARB. EMFAC 2014 is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in

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<sup>1</sup> In May, 1991 the California Air Resources Board (CARB) Research Division in association with the University of California, Berkeley published research findings entitled: *Activity Patterns of California Residents*. The findings of that study indicate that on average, adults and adolescents in California spent almost 15 hours per day inside their homes, and six hours in other indoor locations, for a total of 21 hours (87% of the day). About 2 hours per day were spent in transit, and just over 1 hour per day was spent in outdoor locations.

<sup>2</sup> Although the Project is required to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (personal communication, phone call, with James Koizumi, May 6, 2009), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (4). The most recent version of this model, EMFAC 2014, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

The most important improvement in EMFAC 2014 is the integration of the new data and methods to estimate emissions from diesel trucks and buses. EMFAC 2014 uses the same diesel truck and bus vehicle populations, miles traveled and other emissions-related factors developed for the Truck and Bus Rule approved by the Air Resources Board in 2010. The model includes the emissions benefits of the truck and bus rule and the previously adopted rules for other on-road diesel equipment. Finally, the impacts of the recession on emissions that were quantified as part of the truck and bus rulemaking are included.

Several distinct emission processes are included in EMFAC 2014. Emission factors calculated using EMFAC 2014 are expressed in units of grams per vehicle miles traveled (g/VMT) or grams per idle-hour (g/idle-hr), depending on the emission process. The emission processes and corresponding emission factor units associated with diesel particulate exhaust for this Project are presented below.

For this Project, annual average PM<sub>10</sub> emission factors were generated by running EMFAC 2014 in EMFAC Mode for vehicles in the SCAQMD jurisdiction. The EMFAC Mode generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

- Idling – on-site loading/unloading and truck gate
- 5 miles per hour – on-site vehicle movement including driving and maneuvering
- 25 miles per hour – off-site vehicle movement including driving and maneuvering.

The average PM<sub>10</sub> emission factors for each type of vehicle were calculated based on the annual average emission factors from different model years for various exposure periods associated with assumptions for evaluating exposure to different receptor populations (e.g., sensitive, offsite worker and resident, respectively):

1. 70-year exposure: 2017 through 2086 (Residential Exposure Scenario)
2. 40-year exposure: 2017 through 2056 (Worker Exposure Scenario)
3. 9-yr exposure: 2017 through 2025 (School Child Exposure Scenario)

Calculated emission factors for each of these scenarios are shown in Table 2-1. The emission factors for model years beyond 2050 were assumed to be the same as emission factors in 2050 due to the fact that EMFAC 2014 only contains emission factors for the model year from 2000 through 2050. This is a conservative measure as it assumes no fleet turnover or cleaner technology with lower emissions could be incorporated after 2050.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM<sub>10</sub> emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (4):

$$\text{Emissions}_{\text{SpeedA}} \text{ (g/s)} = \text{EF}_{\text{RunExhaust}} \text{ (g/VMT)} * \text{Distance (VMT/trip)} * \text{Number of Trips (trips/day)} / \text{seconds per day}$$

Where:

$\text{Emissions}_{\text{SpeedA}}$  (g/s): Vehicle emissions at a given speed A;

$\text{EF}_{\text{RunExhaust}}$  (g/VMT): EMFAC running exhaust PM<sub>10</sub> emission factor at speed A;

Distance (VMT/trip): Total distance traveled per trip.

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM<sub>10</sub> emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM<sub>10</sub> emission factor (g/idle-hr) from EMFAC and the total truck trip over the total idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (4):

$$\text{Emissions}_{\text{Idle}} \text{ (g/s)} = \text{EF}_{\text{Idle}} \text{ (g/hr)} * \text{Number of Trips (trips/day)} * \text{Idling Time (min/trip)} * \frac{60 \text{ minutes}}{\text{per hour}} / \text{seconds per day}$$

Where:

$\text{Emissions}_{\text{Idle}}$  (g/s): Vehicle emissions during idling;

$\text{EF}_{\text{Idle}}$ (g/s): EMFAC idle exhaust PM<sub>10</sub> emission factor.

**TABLE 2-1: WEIGHTED AVERAGE DPM EMISSIONS FACTORS**

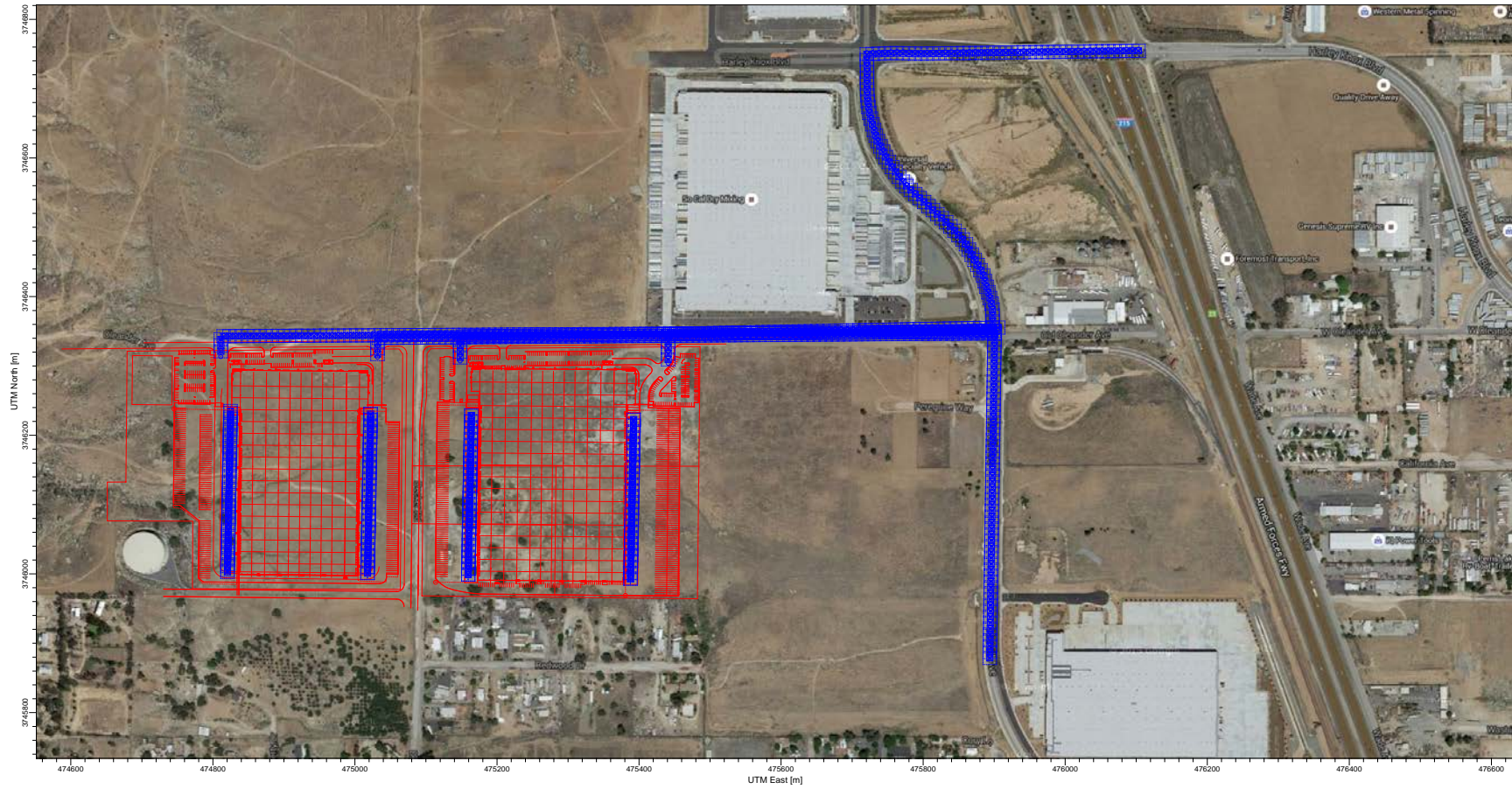
| <b>2017-2086 – 70 Year Residential Exposure Scenario</b> |                     |
|--|---------------------|
| Speed  | Weighted Average    |
| 0 (idling)   | 0.10281 (g/idle-hr) |
| 5  | 0.01815 (g/s)       |
| 25   | 0.00943 (g/s)       |
| <b>2017-2056 – 40 Year Worker Exposure Scenario</b>      |                     |
| Speed  | Weighted Average    |
| 0 (idling)   | 0.1227 (g/idle-hr)  |
| 5  | 0.02399 (g/s)       |
| 25   | 0.01171 (g/s)       |
| <b>2017-2025 – 9 Year School Child Exposure Scenario</b> |                     |
| Speed  | Weighted Average    |
| 0 (idling)   | 0.20197 (g/idle-hr) |
| 5  | 0.06007 (g/s)       |
| 25   | 0.02642 (g/s)       |

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report, but are included in Appendix “5.1”. The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as illustrated on Tables 2-2 through 2-4. The modeled emission sources are illustrated on Exhibit 2-A. The modeled truck travel routes included in the HRA are based on the truck trip distributions (inbound and outbound) available from the Project’s Traffic Impact Analysis (TIA) (5). The modeled truck route is consistent with the trip distribution patterns identified in the Project’s traffic study is supported by substantial evidence and was modeled to determine the potential impacts to sensitive receptors along the primary truck routes. The modeling domain is limited to the Project’s primary truck route and includes off-site sources in the study area for approximately  $\frac{1}{4}$  mile to  $\frac{3}{4}$  mile. This modeling domain is consistent with and more conservative than using only a  $\frac{1}{4}$  mile modeling domain which is supported by substantial evidence since several studies have shown that the greatest potential risks occur within a  $\frac{1}{4}$  mile of the primary source of emissions (in the case of the Project this is the on-site idling, travel, and on-site equipment), additional detail on the justification for the modeling domain can be found in Section 2.8 of this report.

On-site truck idling was estimated to occur as trucks enter and travel through the facility. Although the Project is required to comply with CARB’s idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (6), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc. As such, this analysis estimated truck idling at 15 minutes, consistent with SCAQMD’s recommendation.



### EXHIBIT 2-A: MODELED EMISSION SOURCES



Trip characteristics available from the report, Knox Business Park Traffic Impact Analysis (Urban Crossroads) 2015 were utilized in this analysis (7). Project operational (vehicular) impacts are dependent on both overall daily vehicle trip generation and the effect of the Project on peak hour traffic volumes and traffic operations. Project-related operational air quality impacts derive predominantly from mobile sources (vehicles). It should be noted that the Project's traffic study presents the total Project vehicle trips in terms of Passenger Car Equivalents (PCEs) and actual vehicles in an effort to recognize and acknowledge the effects of heavy vehicles at the study area intersections. Notwithstanding, for purposes of the air quality study, the PCE trips were not used. Rather, to more accurately estimate and model vehicular-source emissions, the estimated number of actual vehicles, by vehicle classification (e.g., passenger cars (including light trucks), heavy trucks) were used in the analysis. The vehicle fleet mix, in terms of actual vehicles, as derived from the traffic study for the Project is comprised of approximately 61.90% passenger cars and approximately 38.10% total trucks. For analysis purposes 22.03% of all trucks are assumed to be Light-Heavy-Duty (LHD), 17.66% of all trucks are assumed to be Medium-Heavy-Duty (MHD), and 60.31% of all trucks are assumed to be Heavy-Heavy-Duty (HHD) (8).

The trip generation rates are based upon data collected by the ITE for high-cube warehouse/distribution center (ITE Land Use Code 152) in their published *Trip Generation* manual, 9th Edition, 2012. The ITE *Trip Generation* manual includes data regarding the types of vehicles that are generated (passenger cars and trucks), but provides no guidance on vehicle mix (different sizes of trucks). While trucks, as a percentage of total traffic, has been based on the ITE *Trip Generation* manual, data regarding the vehicle mix has been obtained from a separate report; the South Coast Air Quality Management District's (SCAQMD) recent Warehouse Truck Trip Study (9). The SCAQMD is currently recommending the use of the ITE Trip Generation manual in conjunction with their truck mix by axle- type to better quantify trip rates associated with local warehouse and distribution projects, as truck emission represent more than 90 percent of air quality impacts from these projects. This recommended procedure has been utilized for the purposes of this analysis in effort to be consistent with other technical studies prepared for the Project.

#### **ON-SITE EQUIPMENT**

It is common for an industrial warehouse project to require cargo handling equipment to move empty containers and empty chassis to and from the various pieces of cargo handling equipment that receive and distribute containers. The most common type of cargo handling equipment is the yard truck which is designed for moving cargo containers. Yard trucks are also known as yard goats, utility tractors (UTRs), hustlers, yard hostlers, and yard tractors. Yard trucks have a horsepower (hp) range of approximately 175 hp to 200 hp. Based on the latest available information from SCAQMD (10); high-cube warehouse projects typically have 3.6 yard trucks per million square feet of building space. For this particular Project, on-site modeled operational equipment includes five 200 hp yard tractors operating at 4 hours a day for 365 days of the year<sup>3</sup>. In addition to the use of yard trucks operating at the Project site, forklifts are a common piece of equipment used in warehouse operations. The Project includes five 89 hp yard forklifts operating

<sup>3</sup> 4 hour daily on-site operation of the yard trucks is based on the Port of Long Beach Air Emissions Inventory document (July 2013)

at 4 hours a day for 365 days of the year. However for purposes of the HRA forklifts are not included in the health risk calculations since there is no diesel exhaust associated with the forklifts as they are assumed to be non-diesel consistent with industry standards.

As part of the Project's design, all on-site outdoor cargo handling equipment (CHE) (including yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) will be powered by diesel fueled diesel engines that comply with the California Air Resources Board (CARB)/U.S. EPA Tier IV Engine standards for off-road vehicles or better (defined as less than or equal to 0.015 g/bhp-hr for PM10) and all on-site indoor forklifts shall be powered by electricity, compressed natural gas, or propane. As such, outdoor CHE is included in the DPM risk calculations presented herein.

### 2.3 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1). SCAQMD recommends using the Environmental Protection Agency's (U.S. EPA's) AERMOD model. For purposes of this analysis, the model was used to calculate annual average particulate concentrations associated with site operations.

The model offers additional flexibility by allowing the user to assign an initial release height and vertical dispersion parameters for mobile sources representative of a roadway. For this HRA, the roadways were modeled as adjacent volume sources. According to the AERMOD user's guide, the initial horizontal standard deviation ( $\sigma_y$ ) of individual volume sources should be estimated as the distance between adjacent volume sources divided by 2.15. In a similar manner, the AERMOD user guide specifies that the source initial vertical standard deviation ( $\sigma_z$ ) for a surface-based source should be estimated as the height of the source divided by a factor of 2.15 (11). The release height of 4 meters and the vertical ( $\sigma_z$ ) dispersion parameter of 1.86 meters for the diesel trucks in the AERMOD model, consistent with the methodology used in the Diesel Particulate Matter Exposure Assessment Study for the Ports of Los Angeles and Long Beach prepared by CARB in April 2006 (12).

**TABLE 2-2: DPM EMISSIONS FROM PROJECT TRUCKS (RESIDENTIAL EXPOSURE 70 YEAR AVERAGE)**

| Source                                   | Trucks Per Day  | VMT <sup>a</sup><br>(miles/day) | Truck Emission Rate <sup>b</sup><br>(grams/mile) | Truck Emission Rate <sup>b</sup><br>(grams/idle-hour) | Daily Truck Emissions <sup>c</sup><br>(grams/day) | Modeled Emission Rates<br>(g/second) |
|--|---|---------------------------------|--|---|---|--------------------------------------|
| On-Site Idling - Building E (West Side)  | 89  |                                 |  | 0.1028  | 2.29  | 2.648E-05                            |
| On-Site Idling - Building E (East Side)  | 89  |                                 |  | 0.1028  | 2.29  | 2.648E-05                            |
| On-Site Idling - Building D (West Side)  | 113   |                                 |  | 0.1028  | 2.89  | 3.347E-05                            |
| On-Site Idling - Building D (East Side)  | 113   |                                 |  | 0.1028  | 2.89  | 3.347E-05                            |
| On-Site Travel - Building E (West Side)  | 178   | 26.48                           | 0.0182   |   | 0.48  | 5.563E-06                            |
| On-Site Travel - Building E (East Side)  | 178   | 26.48                           | 0.0182   |   | 0.48  | 5.563E-06                            |
| On-Site Travel - Building D (West Side)  | 225   | 33.47                           | 0.0182   |   | 0.61  | 7.032E-06                            |
| On-Site Travel - Building D (East Side)  | 225   | 33.47                           | 0.0182   |   | 0.61  | 7.032E-06                            |
| Driveway 1 to Harvill Building E (25%)   | 178   | 122.81                          | 0.0094   |   | 1.16  | 1.340E-05                            |
| Driveway 3 to Harvill Building E (25%)   | 178   | 99.44                           | 0.0094   |   | 0.94  | 1.085E-05                            |
| Driveway 4 to Harvill Building D (25%)   | 225   | 110.56                          | 0.0094   |   | 1.04  | 1.206E-05                            |
| Driveway 6 to Harvill Building D (25%)   | 225   | 71.43                           | 0.0094   |   | 0.67  | 7.792E-06                            |
| South on Harvill (5%)                    | 40  | 11.87                           | 0.0094   |   | 0.11  | 1.295E-06                            |
| Harvill to Harley Knox/215 Freeway (95%) | 766   | 401.89                          | 0.0094   |   | 3.79  | 4.384E-05                            |
| a  | Vehicle miles traveled are for modeled truck route only.  |                                 |  |   |   |                                      |
| b  | Emission rates determined using EMFAC 2014. Idle emission rates are expressed in grams per idle hour rather than grams per mile.  |                                 |  |   |   |                                      |
| c  | This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes. |                                 |  |   |   |                                      |

**TABLE 2-3: DPM EMISSIONS FROM PROJECT TRUCKS (WORKER EXPOSURE 40 YEAR AVERAGE)**

| Source                                   | Trips Per Day   | VMT <sup>a</sup><br>(miles/day) | Truck Emission Rate <sup>b</sup><br>(grams/mile) | Truck Emission Rate <sup>b</sup><br>(grams/idle-hour) | Daily Truck Emissions <sup>c</sup><br>(grams/day) | Modeled Emission Rates<br>(g/second) |
|--|---|---------------------------------|--|---|---|--------------------------------------|
| On-Site Idling - Building E (West Side)  | 89  |                                 |  | 0.1223  | 2.72  | 3.149E-05                            |
| On-Site Idling - Building E (East Side)  | 89  |                                 |  | 0.1223  | 2.72  | 3.149E-05                            |
| On-Site Idling - Building D (West Side)  | 113   |                                 |  | 0.1223  | 3.44  | 3.980E-05                            |
| On-Site Idling - Building D (East Side)  | 113   |                                 |  | 0.1223  | 3.44  | 3.980E-05                            |
| On-Site Travel - Building E (West Side)  | 178   | 26.48                           | 0.0240   |   | 0.64  | 7.351E-06                            |
| On-Site Travel - Building E (East Side)  | 178   | 26.48                           | 0.0240   |   | 0.64  | 7.351E-06                            |
| On-Site Travel - Building D (West Side)  | 225   | 33.47                           | 0.0240   |   | 0.80  | 9.292E-06                            |
| On-Site Travel - Building D (East Side)  | 225   | 33.47                           | 0.0240   |   | 0.80  | 9.292E-06                            |
| Driveway 1 to Harvill Building E (25%)   | 178   | 122.81                          | 0.0117   |   | 1.44  | 1.664E-05                            |
| Driveway 3 to Harvill Building E (25%)   | 178   | 99.44                           | 0.0117   |   | 1.16  | 1.348E-05                            |
| Driveway 4 to Harvill Building D (25%)   | 225   | 110.56                          | 0.0117   |   | 1.29  | 1.498E-05                            |
| Driveway 6 to Harvill Building D (25%)   | 225   | 71.43                           | 0.0117   |   | 0.84  | 9.679E-06                            |
| South on Harvill (5%)                    | 40  | 11.87                           | 0.0117   |   | 0.14  | 1.609E-06                            |
| Harvill to Harley Knox/215 Freeway (95%) | 766   | 401.89                          | 0.0117   |   | 4.71  | 5.446E-05                            |
| a  | Vehicle miles traveled are for modeled truck route only.  |                                 |  |   |   |                                      |
| b  | Emission rates determined using EMFAC 2014. Idle emission rates are expressed in grams per idle hour rather than grams per mile.  |                                 |  |   |   |                                      |
| c  | This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes. |                                 |  |   |   |                                      |

**TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (SCHOOL CHILD EXPOSURE 9 YEAR AVERAGE)**

| Source                                   | Trips Per Day   | VMT <sup>a</sup><br>(miles/day) | Truck Emission Rate <sup>b</sup><br>(grams/mile) | Truck Emission Rate <sup>b</sup><br>(grams/idle-hour) | Daily Truck Emissions <sup>c</sup><br>(grams/day) | Modeled Emission Rates<br>(g/second) |
|--|---|---------------------------------|--|---|---|--------------------------------------|
| On-Site Idling - Building E (West Side)  | 89  |                                 |  | 0.2020  | 4.49  | 5.201E-05                            |
| On-Site Idling - Building E (East Side)  | 89  |                                 |  | 0.2020  | 4.49  | 5.201E-05                            |
| On-Site Idling - Building D (West Side)  | 113   |                                 |  | 0.2020  | 5.68  | 6.575E-05                            |
| On-Site Idling - Building D (East Side)  | 113   |                                 |  | 0.2020  | 5.68  | 6.575E-05                            |
| On-Site Travel - Building E (West Side)  | 178   | 26.48                           | 0.0601   |   | 1.59  | 1.841E-05                            |
| On-Site Travel - Building E (East Side)  | 178   | 26.48                           | 0.0601   |   | 1.59  | 1.841E-05                            |
| On-Site Travel - Building D (West Side)  | 225   | 33.47                           | 0.0601   |   | 2.01  | 2.327E-05                            |
| On-Site Travel - Building D (East Side)  | 225   | 33.47                           | 0.0601   |   | 2.01  | 2.327E-05                            |
| Driveway 1 to Harvill Building E (25%)   | 178   | 122.81                          | 0.0264   |   | 3.24  | 3.756E-05                            |
| Driveway 3 to Harvill Building E (25%)   | 178   | 99.44                           | 0.0264   |   | 2.63  | 3.041E-05                            |
| Driveway 4 to Harvill Building D (25%)   | 225   | 110.56                          | 0.0264   |   | 2.92  | 3.381E-05                            |
| Driveway 6 to Harvill Building D (25%)   | 225   | 71.43                           | 0.0264   |   | 1.89  | 2.184E-05                            |
| South on Harvill (5%)                    | 40  | 11.87                           | 0.0264   |   | 0.31  | 3.630E-06                            |
| Harvill to Harley Knox/215 Freeway (95%) | 766   | 401.89                          | 0.0264   |   | 10.62   | 1.229E-04                            |
| a  | Vehicle miles traveled are for modeled truck route only.  |                                 |  |   |   |                                      |
| b  | Emission rates determined using EMFAC 2014. Idle emission rates are expressed in grams per idle hour rather than grams per mile.  |                                 |  |   |   |                                      |
| c  | This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes. |                                 |  |   |   |                                      |

SCAQMD required model parameters are presented in Table 2-5 (11). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Perris monitoring station (SRA 24) located approximately 5 miles southeast of the Project site was used to represent local weather conditions and prevailing winds (13).

**TABLE 2-5: AERMOD MODEL PARAMETERS**

|                                      |   |
|--------------------------------------|---|
| Dispersion Coefficient (Urban/Rural) | Urban                                   |
| Terrain (Flat/Elevated)              | Elevated (Regulatory Default)           |
| Averaging Time                       | 1 year (5-year Meteorological Data Set) |
| Receptor Height                      | 0 meters (Regulatory Default)           |

Universal Transverse Mercator (UTM) coordinates for North American Datum (NAD) 27 were used to locate the project boundaries, each volume source location, and receptor locations in the project vicinity. The AERMOD dispersion model summary output files for the proposed facility are presented in Appendix "5.1".

Modeled sensitive receptors were placed at discrete residential and non-residential locations for the applicable residential and non-residential scenarios. Additionally, based on recommendations from SCAMD staff, a receptor grid with 100 meter spacing was placed at residential, worker, and school locations in order to ensure that the maximum impacts are properly analyzed.

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the OEHHA guidance document entitled Air Toxic Hot Spots Program Risk Assessment Guidelines Technical Support Document for Exposure Assessment and Stochastic Analysis (14) and guidance from SCAQMD. Table 2-6 summarizes the Exposure Parameters for Residents, Offsite Worker, and School Children. Appendix "5.2" includes the detailed emissions and risk calculation outputs. (15)

**TABLE 2-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK**

| Exposure Parameter           | Units     | Residential | Worker | School Child <sup>a</sup> |
|------------------------------|-----------|-------------|--------|---------------------------|
| Exposure Frequency           | days/year | 350         | 245    | 180                       |
| Exposure Duration            | years     | 70          | 40     | 9                         |
| Inhalation Rate <sup>b</sup> | L/kg-day  | 302         | 149    | 581                       |
| Exposure Duration            | Years     | 70          | 40     | 9                         |
| Exposure Time                | hours/day | 24          | 12     | 10                        |

<sup>a</sup> To represent the unique characteristics of the school-based population, the assessment employed the U.S. Environmental Protection Agency's guidance to develop viable dose estimates based on reasonable maximum exposures (RME). RME's are defined as the "highest exposure that is reasonably expected to occur" for a given receptor population. As a result, lifetime risk values for the student population were adjusted to account for an exposure duration of 180 days per year for nine (9) years. The 9 year exposure duration is also consistent with OEHHA Recommendations and consistent with the exposure duration utilized in school-based risk assessments for various schools within the Los Angeles County Unified School District (LAUSD) that have been accepted by the SCAQMD.

<sup>b</sup> The residential breathing rate of 302 L/kg-day represents the 80<sup>th</sup> percentile breathing rate per ARB and consistent with SCAQMD Risk Assessment Procedures for Rules 1401 and 212, the worker breathing rate of 149 L/kg-day is also consistent with SCAQMD Risk

Assessment Procedures for Rules 1401 and 212, the school child breathing rate of 581 L/kg-day represents the high end 95<sup>th</sup> percentile breathing rate.

Universal Transverse Mercator (UTM) coordinates for North American Datum (NAD) 27 were used to locate the project boundaries, each volume source location, and receptor locations in the project vicinity. The AERMOD dispersion model summary output files for the proposed facility are presented in Appendix “5.1”.

## 2.4 CARCINOGENIC CHEMICAL RISK

The SCAQMD CEQA Air Quality Handbook (1993) states that emissions of toxic air contaminants (TACs) are considered significant if a HRA shows an increased risk of greater than ten in one million. Based on guidance from the SCAQMD in the document Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1), for purposes of this analysis, ten (10) in one million is used as the cancer risk threshold for the proposed Project.

Excess Health risks associated with exposure to carcinogenic compounds can be defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. Under a deterministic approach (i.e., point estimate methodology), the cancer risk probability is determined by multiplying the chemical’s annual concentration by its unit risk factor (URF). The URF is a measure of the carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It represents an upper bound estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ( $\mu\text{g}/\text{m}^3$ ) over a 70 year lifetime. The URFs utilized in the assessment and corresponding cancer potency factor were obtained from the Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values (16).

Guidance from CARB and the California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA) recommends a refinement to the standard point estimate approach when alternate human body weights and breathing rates are utilized to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose. Once determined, contaminant dose is multiplied by the cancer potency factor (CPF) in units of inverse dose expressed in milligrams per kilogram per day ( $\text{mg}/\text{kg}/\text{day}$ )-1 to derive the cancer risk estimate. Therefore, to assess exposures, the following dose algorithm was utilized.

$$\text{DOSE}_{\text{air}} = (\text{C}_{\text{air}} \times [\text{BR}/\text{BW}] \times A \times \text{EF}) \times (1 \times 10^{-6})$$

Where:

|                     |   |  |
|---------------------|---|--|
| DOSE <sub>air</sub> | = | chronic daily intake (mg/kg/day)                                 |
| C <sub>air</sub>    | = | concentration of contaminant in air ( $\mu\text{g}/\text{m}^3$ ) |
| [BR/BW]<br>BW-day)  | = | daily breathing rate normalized to body weight (L/kg             |



|                    |   |  |
|--------------------|---|--|
| A                  | = | inhalation absorption factor           |
| EF                 | = | exposure frequency (days/365 days)     |
| BW                 | = | body weight (kg)                       |
| $1 \times 10^{-6}$ | = | conversion factors (ug to mg, L to m3) |

$$\text{RISK}_{\text{air}} = \text{DOSE}_{\text{air}} \times \text{CPF} \times \text{ED}/\text{AT}$$

Where:

|                     |   |   |
|---------------------|---|---|
| DOSE <sub>air</sub> | = | chronic daily intake (mg/kg/day)            |
| CPF                 | = | cancer potency factor                       |
| ED                  | = | number of years within particular age group |
| AT                  | = | averaging time                              |

## 2.5 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic reference exposure level (REL) for DPM was established by OEHHA as  $5 \mu\text{g}/\text{m}^3$  (OEHHA Toxicity Criteria Database, <http://www.oehha.org/risk/chemicaldb/index.asp>).

The non-cancer hazard index was calculated (consistent with SCAQMD methodology) as follows:

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

$$\text{HI}_{\text{DPM}} = \text{C}_{\text{DPM}}/\text{REL}_{\text{DPM}}$$

Where:

|                    |   |   |
|--------------------|---|---|
| HI <sub>DPM</sub>  | = | Hazard Index; an expression of the potential for non-cancer health effects.                                       |
| C <sub>DPM</sub>   | = | Annual average DPM concentration ( $\mu\text{g}/\text{m}^3$ ).  |
| REL <sub>DPM</sub> | = | Reference exposure level (REL) for DPM; the DPM concentration at which no adverse health effects are anticipated. |

For purposes of this analysis the hazard index for the respiratory endpoint totaled less than one for all receptors in the project vicinity, and thus is less than significant.

## 2.6 POTENTIAL PROJECT-RELATED DPM SOURCE CANCER AND NON-CANCER RISKS<sup>4</sup>

### Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located approximately 191 feet south of the Project site. At MEIR, the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 6.19 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.004, which would not exceed the applicable threshold of 1.0. Exhibit 2-C illustrates the nearest modeled residential receptors and the MEIR.

### Worker Exposure Scenario:

It should be noted that SCAQMD guidance does not require assessment of the potential health risk to on-site workers; additionally assessment of health risk to on-site workers is not required by OEHHA HRA guidelines. As such, for purposes of this analysis, risk to on-site workers has not been evaluated.

Potential risk to on-site workers is not required to be addressed through the typical health risk assessment process employed by SCAQMD and OEHHA. Further, the California Air Pollution Control Officers Association (CAPCOA) in their 2009 report titled: Health Risk Assessments for Proposed Land Use Projects, indicates that on-site receptors should only be included in health risk assessments if they are persons not employed by the project and if they would remain on-site for long periods of time (e.g., a caretaker residence that would reside there for most of the day and could be there for 24 hours per day for an extended period of time). Persons not employed by the project would not remain on-site for any significant period. Therefore, a health risk assessment for on-site workers is not required or recommended.

The following excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

*“If a facility must also comply with RCRA/CERCLA HRA requirements, health effects to on-site workers may also need to be addressed. The DTSC’s Remedial Project Manager should be consulted on this issue. In some cases it may be appropriate to evaluate risks to on-site receptors. The district should be consulted about special cases for which evaluation of on-site receptors is appropriate, such as facilities frequented by the public or where people may reside (e.g., military facilities).”*

<sup>4</sup> SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

*“On-site workers are protected by CAL OSHA and do not have to be evaluated under the Hot Spots program, unless the worker also lives on the facility site, or property. Occasionally, facilities like prisons, military bases, and universities have worker housing within the facility. In these situations the evaluation of on-site cancer risks, and/or acute and chronic non-cancer hazard indices is appropriate under the Hot Spots program.”*

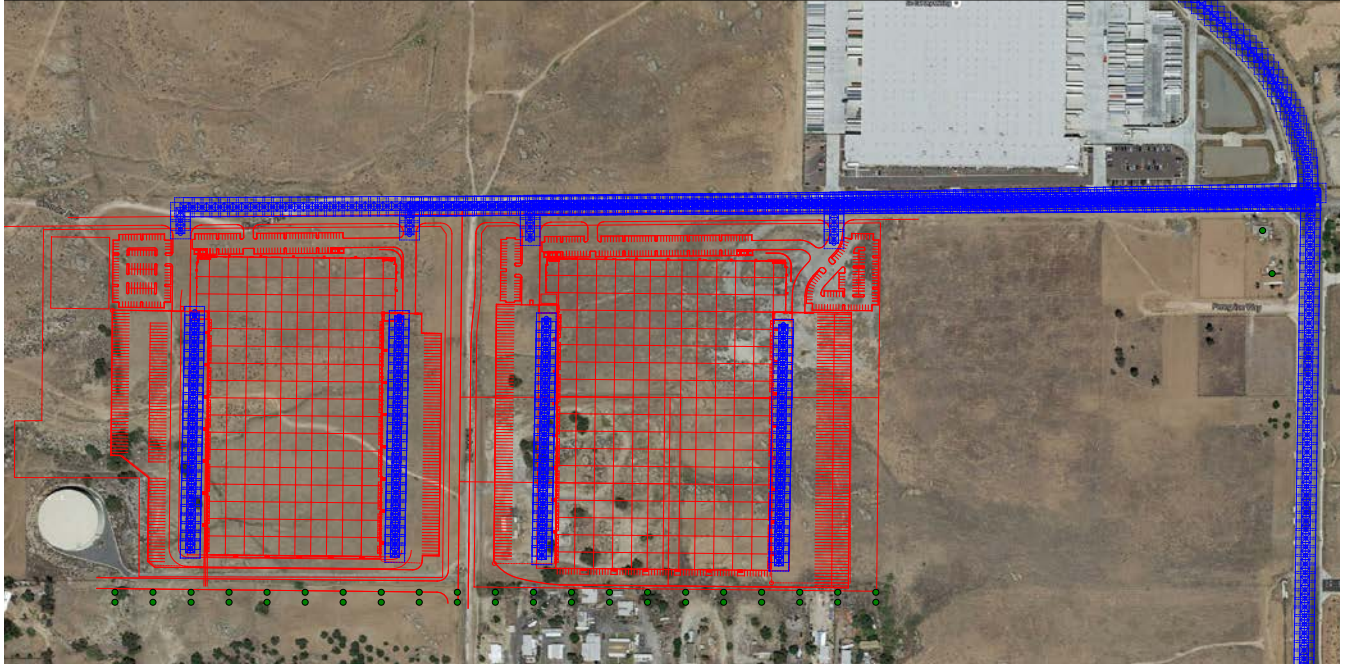
Since none of the previous scenarios apply to the project, risk to on-site workers has not been evaluated in this analysis.


The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located east, immediately adjacent to the Project site. At the MEIW, the maximum incremental cancer risk impact at this location is 0.91 in one million which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.003, which would not exceed the applicable threshold of 1.0. Exhibit 2-D illustrates the nearest modeled worker receptors and the MEIW.


School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions is located at Thomas Rivera Middle School located approximately 1 mile (5,280 feet) southwest of the Project site. At the MEISC, the maximum incremental cancer risk impact at this location is 0.01 in one million which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.00007 which would not exceed the applicable threshold of 1.0. Exhibit 2-D illustrates the nearest modeled school receptors and the MEISC.

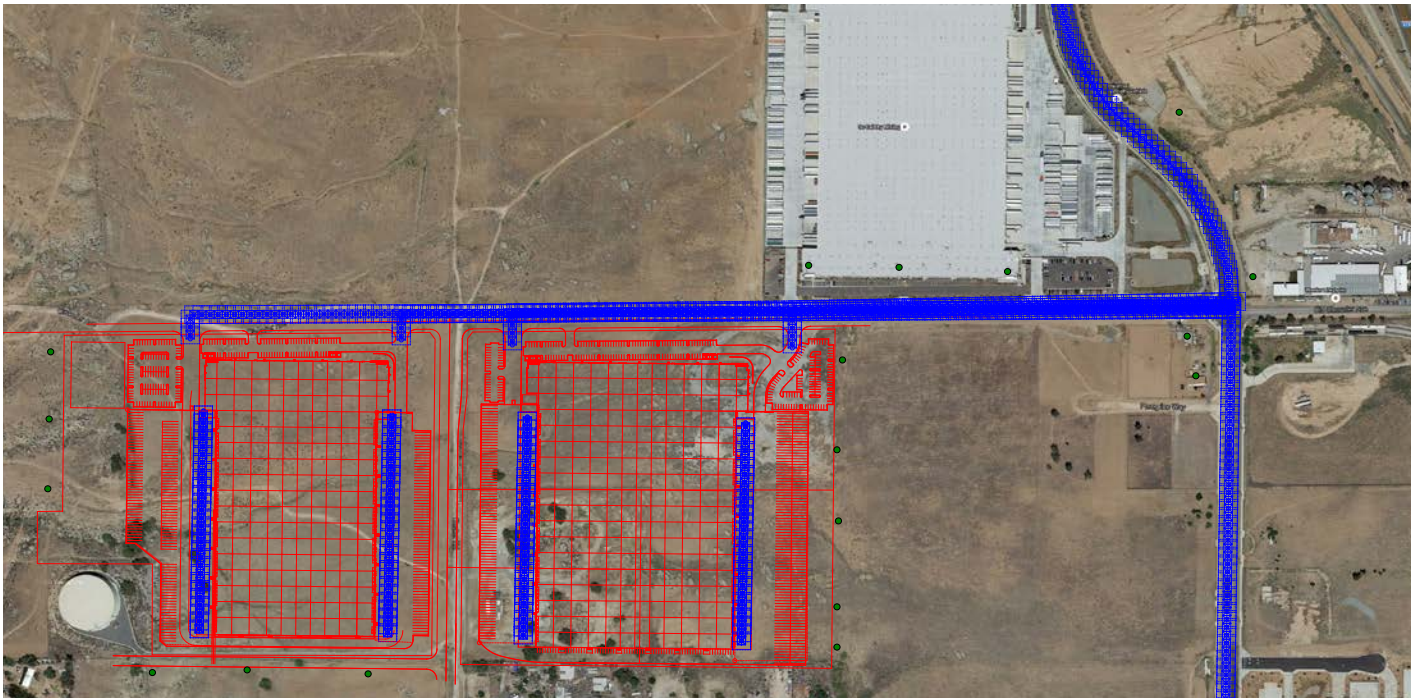
**EXHIBIT 2-B: NEAREST MODELED RESIDENTIAL RECEPTORS**




 = Modeled Receptor Location

 = Modeled Idling and Travel Route

**EXHIBIT 2-C: NEAREST MODELED WORKER RECEPTORS**



 = Modeled Receptor Location


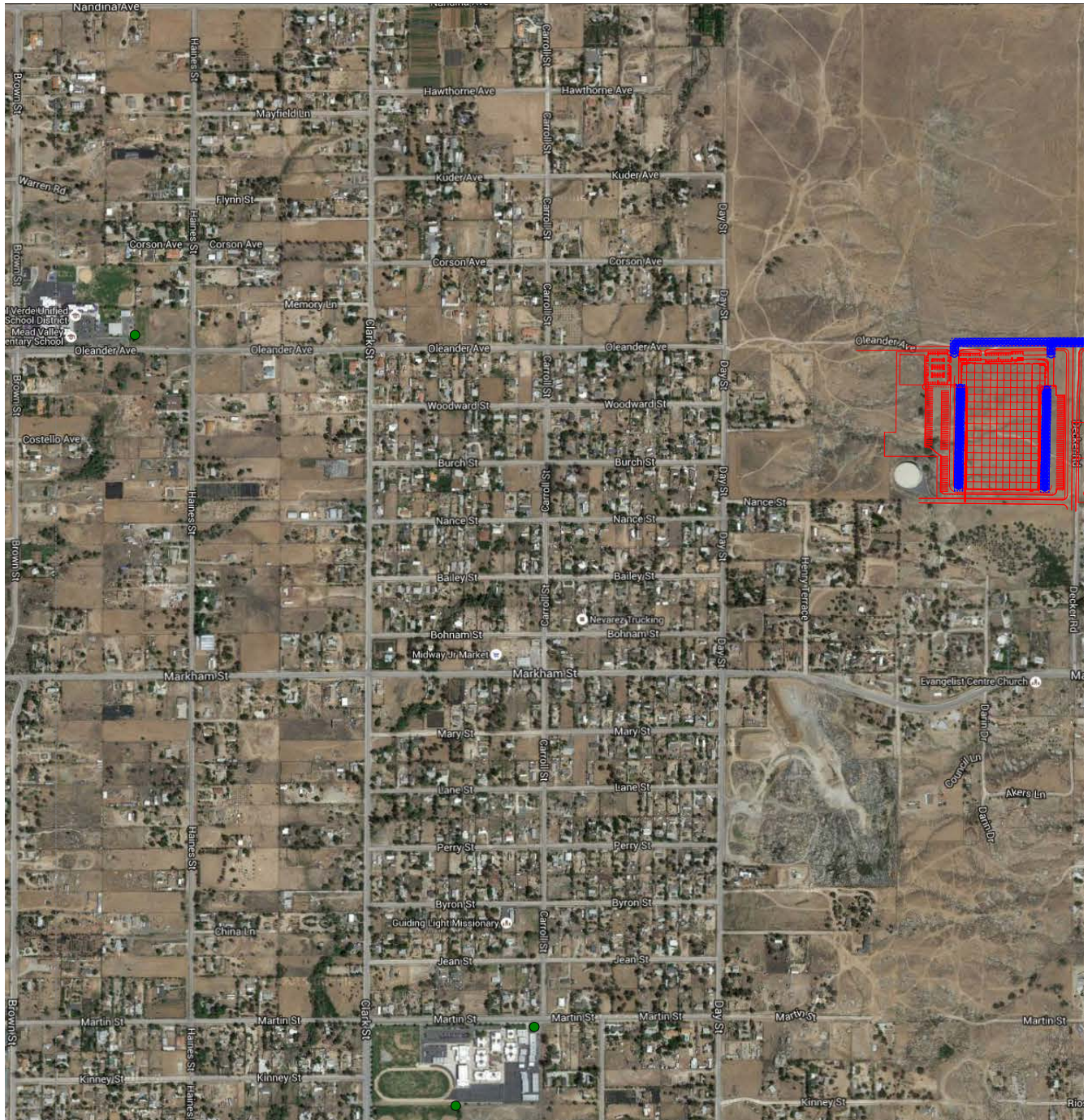


 = Modeled Idling and Travel Route

EXHIBIT 2-D: NEAREST MODELED SCHOOL CHILD RECEPTORS



 = Modeled Receptor Location

 = Modeled Idling and Travel Route

## 2.7 CEQA REQUIREMENTS FOR ADDRESSING CUMULATIVE IMPACTS

As a first step in determining a cumulative threshold for cumulative toxic air contaminant impacts, the applicable provisions of CEQA were reviewed. Excerpts from CEQA and the CEQA Guidelines regarding cumulative impacts are provided below.

In defining what may constitute a significant effect on the environment, CEQA 21083(b)(2) lists the following conditions for cumulative impacts:

*The possible effects of a project are individually limited but cumulatively considerable. As used in this paragraph, "cumulatively considerable" means that the incremental effects of an individual project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.*

CEQA Guidelines 15064(h) provides guidance for determining the significance of environmental effects caused by the project. The following subsections provide guidance specifically addressed at cumulative impacts.

- (1) When assessing whether a cumulative effect requires an EIR, the lead agency shall consider whether the cumulative impact is significant and whether the effects of the project are cumulatively considerable. An EIR must be prepared if the cumulative impact may be significant and the project's incremental effect, though individually limited, is cumulatively considerable. "Cumulatively considerable" means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.*
- (2) A lead agency may determine in an initial study that a project's contribution to a significant cumulative impact will be rendered less than cumulatively considerable and thus is not significant. When a project might contribute to a significant cumulative impact, but the contribution will be rendered less than cumulatively considerable through mitigation measures set forth in a mitigated negative declaration, the initial study shall briefly indicate and explain how the contribution has been rendered less than cumulatively considerable.*
- (3) A lead agency may determine that a project's incremental contribution to a cumulative effect is not cumulatively considerable if the project will comply with the requirements in a previously approved plan or mitigation program (including, but not limited to, water quality control plan, air quality attainment or maintenance plan, integrated waste management plan, habitat conservation plan, natural community conservation plan, plans or regulations for the reduction of greenhouse gas emissions) that provides specific requirements that will avoid or substantially lessen the cumulative problem within the geographic area in which the project is located. Such plans or programs must be specified in law or adopted by the public agency with jurisdiction over the affected resources through a public review process to implement, interpret, or make specific the law enforced or administered by the public agency. When relying on a plan, regulation or program, the lead agency should explain how implementing the particular requirements in the plan,*

*regulation or program ensure that the project's incremental contribution to the cumulative effect is not cumulatively considerable. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable notwithstanding that the project complies with the specified plan or mitigation program addressing the cumulative problem, an EIR must be prepared for the project.*

- (4) The mere existence of significant cumulative impacts caused by other projects alone shall not constitute substantial evidence that the proposed project's incremental effects are cumulatively considerable.*

CEQA Guidelines 15130 provides guidance for discussing cumulative impact in an EIR. The following excerpts apply:

- (a) An EIR shall discuss cumulative impacts of a project when the project's incremental effect is cumulatively considerable, as defined in section 15065 (a)(3). Where a lead agency is examining a project with an incremental effect that is not "cumulatively considerable," a lead agency need not consider that effect significant, but shall briefly describe its basis for concluding that the incremental effect is not cumulatively considerable.*

- (1) As defined in Section 15355, a cumulative impact consists of an impact which is created as a result of the combination of the project evaluated in the EIR together with other projects causing related impacts. An EIR should not discuss impacts which do not result in part from the project evaluated in the EIR.*

- (2) When the combined cumulative impact associated with the project's incremental effect and the effects of other projects is not significant, the EIR shall briefly indicate why the cumulative impact is not significant and is not discussed in further detail in the EIR. A lead agency shall identify facts and analysis supporting the lead agency's conclusion that the cumulative impact is less than significant.*

- (b) The discussion of cumulative impacts shall reflect the severity of the impacts and their likelihood of occurrence, but the discussion need not provide as great detail as is provided for the effects attributable to the project alone. The discussion should be guided by standards of practicality and reasonableness, and should focus on the cumulative impact to which the identified other projects contribute rather than the attributes of other projects which do not contribute to the cumulative impact. The following elements are necessary to an adequate discussion of significant cumulative impacts:*

- (1) Either:*

- (A) A list of past, present, and probable future projects producing related or cumulative impacts, including, if necessary, those projects outside the control of the agency, or*



- (B) *A summary of projections contained in an adopted local, regional or statewide plan, or related planning document, that describes or evaluates conditions contributing to the cumulative effect...*
- (2) *When utilizing a list, as suggested in paragraph (1) of subdivision (b), factors to consider when determining whether to include a related project should include the nature of each environmental resource being examined, the location of the project and its type. Location may be important, for example, when water quality impacts are at issue since projects outside the watershed would probably not contribute to a cumulative effect. Project type may be important, for example, when the impact is specialized, such as a particular air pollutant or mode of traffic.*
- (3) *Lead agencies should define the geographic scope of the area affected by the cumulative effect and provide a reasonable explanation for the geographic limitation used.*
- (4) *A summary of the expected environmental effects to be produced by those projects with specific reference to additional information stating where that information is available; and*
- (5) *A reasonable analysis of the cumulative impacts of the relevant projects. An EIR shall examine reasonable, feasible options for mitigating or avoiding the project's contribution to any significant cumulative effects.*
- (c) *With some projects, the only feasible mitigation for cumulative impacts may involve the adoption of ordinances or regulations rather than the imposition of conditions on a project-by-project basis.*

For cumulative toxic air contaminant (or "TAC") assessment, a list approach should be used to identify past and probable future projects producing related impacts. This allows for discrete sources of TAC emissions contributing to the cumulative impact to be identified. The location and geographic scope of the analysis is important for TACs due to effects of distance from the source on exposure of sensitive receptors to these pollutants.

## **2.8 EXISTING CONDITIONS FOR TOXIC EMISSIONS**

There are no state or federal ambient air quality standards applicable to TAC emissions. Preparing a cumulative assessment for TACs is complicated by the fact that site-specific impacts can be far different from average impacts over a larger geographic area. Impacts from TAC emissions are highest closest to sources of TACs, but the sources are often spread over a large area. For example, emissions from diesel engines, the largest source of risk from TACs, are operated on roads, businesses, and construction sites throughout the air basin. Locations where large numbers of TAC sources are concentrated such as freeways, railyards, and ports may pose a higher level of risk to sensitive receptors near these facilities. Examination of the risk from TACs at national, state, regional, and local levels is useful for providing context, but site-specific evaluation is ultimately necessary to determine existing conditions for development projects.

## AMBIENT TAC IMPACTS PRESUMED CUMULATIVELY SIGNIFICANT

The SCAQMD has conducted an in-depth analysis of the toxic air contaminants and their resulting health risks for all of Southern California. This study, the *Multiple Air Toxics Exposure Study in the South Coast Air Basin, MATES IV*, shows that cancer risk has decreased more than 50% between MATES III (2005) and MATES IV (2012) (17).

MATES-IV is the most comprehensive dataset documenting the ambient air toxic levels and health risks associated with the South Coast Air Basin emissions. Therefore, MATES-IV study represents the baseline health risk for a cumulative analysis. MATES-IV estimates the average excess cancer risk level from exposure to TACs is less than 400 in one million basin-wide. These model estimates were based on monitoring data collected at ten fixed sites within the South Coast Air Basin. None of the fixed monitoring sites are within the local area of the Project site. However, MATES-IV has extrapolated the excess cancer risk levels throughout the basin by modeling the specific grids. MATES-IV modeling predicted an excess cancer risk of 538.56 in one million for the Project area. DPM is included in this cancer risk along with all other TAC sources. DPM accounts for 68% of the total risk shown in MATES-IV. Cumulative Project generated TACs are limited to DPM.

The AQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (2). In this report the AQMD clearly states (Page D-3):

*“...the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for toxic air contaminant (TAC) emissions. The project specific (project increment) significance threshold is  $HI > 1.0$  while the cumulative (facility-wide) is  $HI > 3.0$ . It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.*

*Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant.”*

## JUSTIFICATION OF THE GEOGRAPHIC SCOPE OF THE ANALYSIS

Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on ARB and South Coast District emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is estimated at approximately 1,000 feet from a distribution center (18).

The 1,000-foot evaluation distance is supported by research-based findings concerning TAC emission dispersion rates from roadways and large sources showing that emissions diminish substantially between 500 and 1,000 feet from emission sources.

For assessing the cumulative impacts of a new source of TAC emissions associated with a project in combination with existing sources and probable future sources, a project radius is necessary. Assessment of impacts from existing sources within 1,000 feet of the new source in combination with risks and hazards from the new source is recommended. Then, once the location of the maximally impacted receptor is identified for the project, cumulative impacts from other sources within the radius of the project (i.e., not the receptor) are assessed at that location. Assessments should sum individual hazards or risks to find the cumulative impact at the location of the maximally impacted receptor from the new source.

Lastly, the Waters Bill (AB 3205) (H&SC Section, 42301.6 through 42301.9) (19) addresses sources of hazardous air pollutants near schools. It requires new or modified sources of hazardous air emissions located within 1000 feet from the outer boundary of a school to give public notice to the parents or guardians of children enrolled in any school located within one-quarter mile of the source and to each address within a 1000 foot radius.

For purposes of this assessment, a one-quarter mile radius or 1,320 feet geographic scope is utilized for determining potential cumulative impacts. This radius is more robust than, and provides a more health protective scenario for evaluation than the 1,000 feet buffer identified above.

#### **RELATED PROJECTS CONTRIBUTION TO CUMULATIVE TAC IMPACTS**

Consistent with Section 15130(b) of the CEQA Guidelines a list of past, present, and probable future projects producing related or cumulative impacts have been identified. In addition to the MATES-IV cumulative TAC-source cancer risk noted above, other new or proposed potential TAC-generating projects (related projects) in the Study Area could contribute to cumulative TAC impacts. These related projects, due to their recent and/or tentative nature, are not reflected in the cumulative TAC impacts identified in the MATES-IV study.

In consultation with the Lead Agency, related TAC-generating projects located within a one-quarter mile radius of the Project were identified and are reflected in this cumulative TAC analysis. The related projects listed below were selected based on their propensity to generate TACs that would contribute to, or interact with, TACs generated by the Project. As identified in the Project's traffic study, 95 percent of the inbound and outbound truck traffic associated with the Project travels to and from the Project site from the I-215 freeway.

Of the cumulative projects identified in the Project's traffic study, the following cumulative projects have the potential to emit TACs and are located within a quarter-mile of the Project site:

- RC-1: Majestic Freeway Business Center<sup>5</sup> (6,100,715 square feet high-cube warehouse).

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<sup>5</sup> There is no readily available information for the Majestic Freeway Business Center project, however given the size of the Project risks can be estimated to be approximately 30 in one million.

- RC-2: PP 20699 (Oleander Business Park)<sup>6</sup> (1,206,710 square feet high-cube warehouse).
- RC-22: Blanding Assemblage<sup>7</sup> (707,880 square feet high-cube warehouse)

The primary TAC-source emission associated with the cumulative projects would be DPM associated with any truck trips accessing the cumulative projects and traveling on roadways in the study area. As such, the estimated health risks from these cumulative projects has been totaled. The total maximum estimated cancer risk associated with the cumulative projects identified above is estimated to be 213.5 in one million.

It should be noted that stationary (loading dock) and mobile source emissions from these cumulative projects and from future development on currently undeveloped or underdeveloped parcels within a quarter-mile radius and projects beyond a quarter-mile radius that add mobile sources to the same roadway segments as the proposed Project's truck route, have the potential to contribute to the overall cumulative risk in the Project vicinity.

The cumulative health risk is significant because the existing conditions plus cumulative projects would generate greater than a 10 in one million cancer risk as illustrated on Table 2-7. Notwithstanding, the Project's contribution is less than cumulatively considerable because it is less than the 10 in one million incremental cancer risk threshold established by the SCAQMD. Lastly, it should be noted that although there will be ambient growth in the Project vicinity, any increase in emissions and consequently cancer risk from ambient growth would be offset by the expected decrease in future risk estimates due to the natural turnover of older fleets and equipment being replaced by more efficient, less polluting engines and regulatory actions being phased in. It should be noted that stationary (loading dock), mobile source emissions, and other TACs from these cumulative projects and from future development on currently undeveloped or underdeveloped parcels within a quarter-mile radius and projects beyond a quarter-mile radius that add mobile sources to the same roadway segments as the proposed Project's truck route, have the potential to contribute to the overall cumulative risk in the Project vicinity.

A summary of cumulative impacts for Residential, Worker, and School Child Exposure scenarios is as follows:

*Residential Exposure Scenario:*

The highest cumulative with Project cancer risk is 758.25 in one million. The Project's maximum incremental contribution to the cumulative health risk in the Project area is 6.19 in one million which is not above the 10 in one million incremental threshold set by SCAQMD, and is therefore less-than-significant. Accordingly, pursuant to SCAQMD cumulative impact criteria, the Project's Residential Exposure impacts would not be cumulatively considerable.

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<sup>6</sup> The Draft Environmental Impact Report for the PP 20699 (Oleander Business Park), dated December 26, 2007 (SCH 2005091095) identifies a maximum risk to be 180 in one million.

<sup>7</sup> There is no readily available information for the Blanding Assemblage project, however given the size of the Project risks can be estimated to be approximately 3.5 in one million.

Worker Exposure Scenario:

The highest cumulative with Project cancer risk after is 752.97 in one million. The Project’s maximum incremental contribution to the cumulative health risk in the Project area is 0.91 in one million which is not above the 10 in one million incremental threshold set by SCAQMD, and is therefore less-than-significant. Accordingly, pursuant to SCAQMD cumulative impact criteria, the Project’s Worker Exposure impacts would not be cumulatively considerable.

School Child Exposure Scenario:

The highest cumulative with Project cancer risk after is 752.07 in one million. The Project’s maximum incremental contribution to the cumulative health risk in the Project area is 0.01 in one million which is not above the 10 in one million incremental threshold set by SCAQMD, and is therefore less-than-significant. Accordingly, pursuant to SCAQMD cumulative impact criteria, the Project’s School Child Exposure impacts would not be cumulatively considerable.

**TABLE 2-7: CUMULATIVE CANCER RISK<sup>8</sup>**

|  | Cancer Risk as Maximum Sensitive Receptor (risk in one million) |              |                     |                       |
|--|---|--------------|---------------------|-----------------------|
|  | Existing  | Project Site | Cumulative Projects | Total Cumulative Risk |
| Maximum Impact to All Receptors Without Project                          | 538.56  |              | 213.5               | 752.06                |
| Maximum Impact to Nearest Residential With Project                       | 538.56  | 6.19         | 213.5               | 758.25                |
| Maximum Impact to Nearest Worker With Project                            | 538.56  | 0.91         | 213.5               | 752.97                |
| Maximum Impact to Nearest School With Project                            | 538.56  | 0.01         | 213.5               | 752.07                |
| Source: <b>MATES IV Carcinogenic Risk Interactive Map</b> (SCAQMD 2015). |   |              |                     |                       |

<sup>8</sup> Although cumulative impacts typically represent a General Plan Buildout Scenario, there is no such data available for what General Plan Buildout DPM emissions impacts would be. The background risk, however, would likely overstate, rather than understate future DPM impacts and is assumed to be inclusive of future growth. It should be noted that due to improved DPM emissions control technologies and increasingly stringent DPM emissions regulations, the cancer risk incidence in the seven (7) years between the Mates III and Mates IV studies declined by approximately 50% even as population and business growth occurred throughout the region. Similar future declines in area-wide DPM source emissions are anticipated pursuant to enactment of further emissions regulations, including but not limited to anticipated greenhouse gas (GHG) reduction and control measures to be implemented by the state (see also: emissions regulatory measures discussed within Knox Business Park Air Quality Impact Analysis (Urban Crossroads) 2015; and Knox Business Park Greenhouse Gas Impact Analysis (Urban Crossroads) 2015).

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### 3 FINDINGS & CONCLUSIONS

This report evaluated the potential mobile source health risk impacts to sensitive receptors (residents and schools) and adjacent workers associated with the development of the proposed Project, more specifically, health risk impacts as a result of exposure to diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project mobile source health risks.

The results of the health risk assessment of lifetime cancer risk from Project-generated DPM emissions are provided in Table 3-1 below for the Project.

#### Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located approximately 191 feet south of the Project site. At MEIR, the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 6.19 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.004, which would not exceed the applicable threshold of 1.0. Exhibit 2-C illustrates the nearest modeled residential receptors and the MEIR.

#### Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located east, immediately adjacent to the Project site. At the MEIW, the maximum incremental cancer risk impact at this location is 0.91 in one million which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.003, which would not exceed the applicable threshold of 1.0. Exhibit 2-D illustrates the nearest modeled worker receptors and the MEIW.

#### School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions is located at Thomas Rivera Middle School located approximately 1 mile (5,280 feet) southwest of the Project site. At the MEISC, the maximum incremental cancer risk impact at this location is 0.01 in one million which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.00007 which would not exceed the applicable threshold of 1.0. Exhibit 2-D illustrates the nearest modeled school receptors and the MEISC.

The results of the analysis also indicate that the project will not result in a significant cumulative health risk. Section 2.7 contains a detailed cumulative analysis for the Project.

**TABLE 3-1: SUMMARY OF CANCER RISKS**

| <b>Time Period</b>                 | <b>Location</b>                    | <b>Maximum Lifetime Cancer Risk<br/>(Risk per Million)</b> | <b>Significance Threshold<br/>(Risk per Million)</b> | <b>Exceeds Significance Threshold</b> |
|------------------------------------|------------------------------------|--|--|---------------------------------------|
| 70 Year Exposure<br>(2017 to 2086) | Maximum Exposed Sensitive Receptor | 6.19   | 10   | NO                                    |
| 40 Year Exposure<br>(2017 to 2056) | Maximum Exposed Worker Receptor    | 0.91   | 10   | NO                                    |
| 9 Year Exposure<br>(2017 to 2025)  | Maximum Exposed School Child       | 0.01   | 10   | NO                                    |



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## 5 CERTIFICATION

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed Knox Business Park Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 660-1994 ext. 217.

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### EDUCATION

Master of Science in Environmental Studies  
California State University, Fullerton • May, 2010

Bachelor of Arts in Environmental Analysis and Design  
University of California, Irvine • June, 2006

### PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners  
AWMA – Air and Waste Management Association  
ASTM – American Society for Testing and Materials

### PROFESSIONAL CERTIFICATIONS

Environmental Site Assessment – American Society for Testing and Materials • June, 2013  
Planned Communities and Urban Infill – Urban Land Institute • June, 2011  
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April, 2008  
Principles of Ambient Air Monitoring – California Air Resources Board • August, 2007  
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Air Dispersion Modeling – Lakes Environmental • June, 2006

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**APPENDIX 5.1:**  
**AERMOD MODEL INPUT/OUTPUT**

**AVERAGE EMISSION FACTOR  
SCAQMD 2017-2086**

| Speed | LHD1    | MHD     | HHD     |
|-------|---------|---------|---------|
| 0     | 0.44051 | 0.01585 | 0.00517 |
| 5     | 0.02912 | 0.01598 | 0.01479 |
| 25    | 0.01257 | 0.00792 | 0.00872 |

| Speed | Weighted Average Emissions |
|-------|----------------------------|
| 0     | 0.10281                    |
| 5     | 0.01815                    |
| 25    | 0.00943                    |

| Year | Speed  | LHD1    | MHD     | HHD         |
|------|--------|---------|---------|-------------|
| 2017 | 0 mph  | 0.80238 | 0.33444 | 0.066326077 |
|      | 5 mph  | 0.11667 | 0.27566 | 0.099180407 |
|      | 25 mph | 0.03833 | 0.10668 | 0.044321841 |
| 2018 | 0 mph  | 0.79722 | 0.27817 | 0.044570434 |
|      | 5 mph  | 0.11153 | 0.22197 | 0.060043409 |
|      | 25 mph | 0.03706 | 0.08859 | 0.030634806 |
| 2019 | 0 mph  | 0.78974 | 0.22765 | 0.038305427 |
|      | 5 mph  | 0.10622 | 0.16477 | 0.054504214 |
|      | 25 mph | 0.03572 | 0.07099 | 0.028300161 |
| 2020 | 0 mph  | 0.77955 | 0.13091 | 0.022508763 |
|      | 5 mph  | 0.1007  | 0.05733 | 0.041607954 |
|      | 25 mph | 0.03429 | 0.03983 | 0.023662018 |
| 2021 | 0 mph  | 0.76581 | 0.01592 | 0.018815229 |
|      | 5 mph  | 0.09503 | 0.0128  | 0.036249172 |
|      | 25 mph | 0.03278 | 0.00748 | 0.021383743 |
| 2022 | 0 mph  | 0.74834 | 0.01336 | 0.01484053  |
|      | 5 mph  | 0.08917 | 0.01164 | 0.032311715 |
|      | 25 mph | 0.03116 | 0.00683 | 0.019005407 |
| 2023 | 0 mph  | 0.7298  | 0.00536 | 0.009751114 |
|      | 5 mph  | 0.0833  | 0.00631 | 0.012803391 |
|      | 25 mph | 0.02952 | 0.00375 | 0.007623878 |
| 2024 | 0 mph  | 0.71025 | 0.00458 | 0.008709656 |
|      | 5 mph  | 0.07741 | 0.0063  | 0.012704459 |
|      | 25 mph | 0.02785 | 0.00381 | 0.007607986 |
| 2025 | 0 mph  | 0.69039 | 0.00396 | 0.007741953 |
|      | 5 mph  | 0.07163 | 0.00627 | 0.012554254 |
|      | 25 mph | 0.02619 | 0.00382 | 0.007556373 |
| 2026 | 0 mph  | 0.66954 | 0.00349 | 0.006950832 |
|      | 5 mph  | 0.06599 | 0.00624 | 0.012384383 |
|      | 25 mph | 0.02454 | 0.00382 | 0.007485729 |

|      |        |         |         |             |
|------|--------|---------|---------|-------------|
| 2027 | 0 mph  | 0.647   | 0.00313 | 0.006078038 |
|      | 5 mph  | 0.06059 | 0.00619 | 0.012193283 |
|      | 25 mph | 0.02293 | 0.0038  | 0.007402399 |
| 2028 | 0 mph  | 0.62464 | 0.00281 | 0.00555985  |
|      | 5 mph  | 0.05551 | 0.00616 | 0.012061678 |
|      | 25 mph | 0.0214  | 0.00379 | 0.007345113 |
| 2029 | 0 mph  | 0.60119 | 0.00255 | 0.005005429 |
|      | 5 mph  | 0.05067 | 0.00612 | 0.011905036 |
|      | 25 mph | 0.01992 | 0.00378 | 0.007270531 |
| 2030 | 0 mph  | 0.57831 | 0.00231 | 0.00447508  |
|      | 5 mph  | 0.04619 | 0.00608 | 0.011742445 |
|      | 25 mph | 0.01853 | 0.00377 | 0.007190514 |
| 2031 | 0 mph  | 0.55579 | 0.00214 | 0.00398068  |
|      | 5 mph  | 0.04207 | 0.00605 | 0.011595959 |
|      | 25 mph | 0.01723 | 0.00376 | 0.007118472 |
| 2032 | 0 mph  | 0.53657 | 0.00199 | 0.003689976 |
|      | 5 mph  | 0.03847 | 0.00601 | 0.011474401 |
|      | 25 mph | 0.01698 | 0.00374 | 0.007037172 |
| 2033 | 0 mph  | 0.518   | 0.00188 | 0.003395156 |
|      | 5 mph  | 0.03527 | 0.00598 | 0.011357635 |
|      | 25 mph | 0.01503 | 0.00373 | 0.006999086 |
| 2034 | 0 mph  | 0.50024 | 0.00179 | 0.003088982 |
|      | 5 mph  | 0.03242 | 0.00595 | 0.011239035 |
|      | 25 mph | 0.01409 | 0.00371 | 0.006940349 |
| 2035 | 0 mph  | 0.48319 | 0.00171 | 0.002824311 |
|      | 5 mph  | 0.02979 | 0.00592 | 0.011138358 |
|      | 25 mph | 0.01322 | 0.0037  | 0.006892119 |
| 2036 | 0 mph  | 0.46774 | 0.00165 | 0.002627241 |
|      | 5 mph  | 0.0275  | 0.00589 | 0.011064121 |
|      | 25 mph | 0.01245 | 0.00368 | 0.00686232  |
| 2037 | 0 mph  | 0.45295 | 0.0016  | 0.002475895 |
|      | 5 mph  | 0.02541 | 0.00586 | 0.011012599 |
|      | 25 mph | 0.01174 | 0.00366 | 0.006841237 |
| 2038 | 0 mph  | 0.43898 | 0.00156 | 0.002344769 |
|      | 5 mph  | 0.02354 | 0.00584 | 0.010979915 |
|      | 25 mph | 0.0111  | 0.00365 | 0.006829631 |
| 2039 | 0 mph  | 0.4265  | 0.00153 | 0.002235251 |
|      | 5 mph  | 0.02188 | 0.00582 | 0.010961271 |
|      | 25 mph | 0.01053 | 0.00364 | 0.006824697 |
| 2040 | 0 mph  | 0.41514 | 0.0015  | 0.002130339 |
|      | 5 mph  | 0.02046 | 0.0058  | 0.010947318 |
|      | 25 mph | 0.01004 | 0.00363 | 0.006823177 |
| 2041 | 0 mph  | 0.40495 | 0.00148 | 0.002037225 |
|      | 5 mph  | 0.01924 | 0.00579 | 0.010934086 |
|      | 25 mph | 0.00961 | 0.00363 | 0.006821976 |
| 2042 | 0 mph  | 0.39586 | 0.00145 | 0.001969833 |
|      | 5 mph  | 0.01821 | 0.00578 | 0.010928056 |
|      | 25 mph | 0.00925 | 0.00362 | 0.006823783 |
| 2043 | 0 mph  | 0.38797 | 0.00144 | 0.001912267 |
|      | 5 mph  | 0.01738 | 0.00577 | 0.010923925 |
|      | 25 mph | 0.00895 | 0.00362 | 0.006826753 |

|      |        |         |         |             |
|------|--------|---------|---------|-------------|
| 2044 | 0 mph  | 0.38033 | 0.00142 | 0.001848363 |
|      | 5 mph  | 0.01654 | 0.00577 | 0.010915981 |
|      | 25 mph | 0.00866 | 0.00362 | 0.006828726 |
| 2045 | 0 mph  | 0.37343 | 0.0014  | 0.001783717 |
|      | 5 mph  | 0.01579 | 0.00577 | 0.010905325 |
|      | 25 mph | 0.00841 | 0.00362 | 0.006829695 |
| 2046 | 0 mph  | 0.36677 | 0.00138 | 0.001725535 |
|      | 5 mph  | 0.01506 | 0.00577 | 0.010896323 |
|      | 25 mph | 0.00816 | 0.00362 | 0.006830451 |
| 2047 | 0 mph  | 0.36068 | 0.00138 | 0.001667877 |
|      | 5 mph  | 0.0144  | 0.00577 | 0.010884771 |
|      | 25 mph | 0.00794 | 0.00362 | 0.006830451 |
| 2048 | 0 mph  | 0.35478 | 0.00137 | 0.001628782 |
|      | 5 mph  | 0.01375 | 0.00577 | 0.010886244 |
|      | 25 mph | 0.00773 | 0.00362 | 0.006831119 |
| 2049 | 0 mph  | 0.34925 | 0.00137 | 0.001595328 |
|      | 5 mph  | 0.01316 | 0.00577 | 0.010889723 |
|      | 25 mph | 0.00753 | 0.00362 | 0.006832867 |
| 2050 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |
| 2051 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |
| 2052 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |
| 2053 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |
| 2054 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |
| 2055 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |
| 2056 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |
| 2057 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |
| 2058 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |
| 2059 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |
| 2060 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |





**AVERAGE EMISSION FACTOR  
SCAQMD 2017-2056**

| Speed | LHD1    | MHD     | HHD     |
|-------|---------|---------|---------|
| 0     | 0.5128  | 0.02671 | 0.00789 |
| 5     | 0.04148 | 0.02363 | 0.01771 |
| 25    | 0.01649 | 0.01114 | 0.01013 |

| Speed | Weighted Average Emissions |
|-------|----------------------------|
| 0     | 0.12227                    |
| 5     | 0.02399                    |
| 25    | 0.01171                    |

| Year | Speed  | LHD1    | MHD     | HHD         |
|------|--------|---------|---------|-------------|
| 2017 | 0 mph  | 0.80238 | 0.33444 | 0.066326077 |
|      | 5 mph  | 0.11667 | 0.27566 | 0.099180407 |
|      | 25 mph | 0.03833 | 0.10668 | 0.044321841 |
| 2018 | 0 mph  | 0.79722 | 0.27817 | 0.044570434 |
|      | 5 mph  | 0.11153 | 0.22197 | 0.060043409 |
|      | 25 mph | 0.03706 | 0.08859 | 0.030634806 |
| 2019 | 0 mph  | 0.78974 | 0.22765 | 0.038305427 |
|      | 5 mph  | 0.10622 | 0.16477 | 0.054504214 |
|      | 25 mph | 0.03572 | 0.07095 | 0.028300161 |
| 2020 | 0 mph  | 0.77955 | 0.13091 | 0.022508763 |
|      | 5 mph  | 0.1007  | 0.05733 | 0.041607954 |
|      | 25 mph | 0.03429 | 0.03983 | 0.023662018 |
| 2021 | 0 mph  | 0.76581 | 0.01592 | 0.018815229 |
|      | 5 mph  | 0.09503 | 0.0128  | 0.036249172 |
|      | 25 mph | 0.03278 | 0.00748 | 0.021383743 |
| 2022 | 0 mph  | 0.74834 | 0.01336 | 0.01484053  |
|      | 5 mph  | 0.08917 | 0.01164 | 0.032311715 |
|      | 25 mph | 0.03116 | 0.00683 | 0.019005407 |
| 2023 | 0 mph  | 0.7298  | 0.00536 | 0.009751114 |
|      | 5 mph  | 0.0833  | 0.00631 | 0.012803391 |
|      | 25 mph | 0.02952 | 0.00379 | 0.007623878 |
| 2024 | 0 mph  | 0.71025 | 0.00458 | 0.008709656 |
|      | 5 mph  | 0.07741 | 0.0063  | 0.012704459 |
|      | 25 mph | 0.02785 | 0.00381 | 0.007607986 |
| 2025 | 0 mph  | 0.69039 | 0.00396 | 0.007741953 |
|      | 5 mph  | 0.07163 | 0.00627 | 0.012554254 |
|      | 25 mph | 0.02619 | 0.00382 | 0.007556373 |
| 2026 | 0 mph  | 0.66954 | 0.00349 | 0.006950832 |
|      | 5 mph  | 0.06599 | 0.00624 | 0.012384383 |
|      | 25 mph | 0.02454 | 0.00382 | 0.007485729 |
| 2027 | 0 mph  | 0.647   | 0.00313 | 0.006078038 |
|      | 5 mph  | 0.06059 | 0.00619 | 0.012193283 |
|      | 25 mph | 0.02293 | 0.0038  | 0.007402399 |
| 2028 | 0 mph  | 0.62484 | 0.00281 | 0.005559885 |
|      | 5 mph  | 0.05551 | 0.00616 | 0.012061678 |
|      | 25 mph | 0.0214  | 0.00379 | 0.007345112 |
| 2029 | 0 mph  | 0.60118 | 0.00255 | 0.005005429 |
|      | 5 mph  | 0.05067 | 0.00612 | 0.011905036 |
|      | 25 mph | 0.01992 | 0.00378 | 0.007270531 |
| 2030 | 0 mph  | 0.57831 | 0.00231 | 0.00447508  |
|      | 5 mph  | 0.04619 | 0.00608 | 0.011742445 |
|      | 25 mph | 0.01853 | 0.00377 | 0.007190514 |
| 2031 | 0 mph  | 0.55579 | 0.00214 | 0.00398068  |
|      | 5 mph  | 0.04207 | 0.00605 | 0.011595959 |
|      | 25 mph | 0.01723 | 0.00376 | 0.007118472 |
| 2032 | 0 mph  | 0.53657 | 0.00199 | 0.003689976 |
|      | 5 mph  | 0.03847 | 0.00601 | 0.011474401 |
|      | 25 mph | 0.01608 | 0.00374 | 0.007057172 |
| 2033 | 0 mph  | 0.518   | 0.00188 | 0.003395156 |
|      | 5 mph  | 0.03527 | 0.00598 | 0.011357635 |
|      | 25 mph | 0.01503 | 0.00373 | 0.006999086 |
| 2034 | 0 mph  | 0.50024 | 0.00179 | 0.003088982 |
|      | 5 mph  | 0.03242 | 0.00595 | 0.011239035 |
|      | 25 mph | 0.01409 | 0.00371 | 0.006940349 |
| 2035 | 0 mph  | 0.48319 | 0.00171 | 0.002824311 |
|      | 5 mph  | 0.02979 | 0.00592 | 0.011138358 |
|      | 25 mph | 0.01322 | 0.0037  | 0.006892119 |
| 2036 | 0 mph  | 0.46774 | 0.00165 | 0.002627241 |
|      | 5 mph  | 0.0275  | 0.00589 | 0.011064121 |
|      | 25 mph | 0.01245 | 0.00368 | 0.00686232  |

|      |        |         |         |             |
|------|--------|---------|---------|-------------|
| 2037 | 0 mph  | 0.45295 | 0.0016  | 0.002475895 |
|      | 5 mph  | 0.02541 | 0.00586 | 0.011012599 |
|      | 25 mph | 0.01174 | 0.00366 | 0.006841237 |
| 2038 | 0 mph  | 0.43898 | 0.00156 | 0.002344769 |
|      | 5 mph  | 0.02354 | 0.00584 | 0.010979915 |
|      | 25 mph | 0.0111  | 0.00365 | 0.006829631 |
| 2039 | 0 mph  | 0.4285  | 0.00153 | 0.002235251 |
|      | 5 mph  | 0.02188 | 0.00582 | 0.010961271 |
|      | 25 mph | 0.01053 | 0.00364 | 0.006824697 |
| 2040 | 0 mph  | 0.41514 | 0.0015  | 0.002130339 |
|      | 5 mph  | 0.02046 | 0.0058  | 0.010947318 |
|      | 25 mph | 0.01004 | 0.00363 | 0.006823177 |
| 2041 | 0 mph  | 0.40495 | 0.00148 | 0.002037225 |
|      | 5 mph  | 0.01924 | 0.00579 | 0.010934086 |
|      | 25 mph | 0.00961 | 0.00363 | 0.006821976 |
| 2042 | 0 mph  | 0.39586 | 0.00145 | 0.001969833 |
|      | 5 mph  | 0.01821 | 0.00578 | 0.010928056 |
|      | 25 mph | 0.00925 | 0.00362 | 0.006823783 |
| 2043 | 0 mph  | 0.38787 | 0.00144 | 0.001912267 |
|      | 5 mph  | 0.01738 | 0.00577 | 0.010923925 |
|      | 25 mph | 0.00895 | 0.00362 | 0.006826753 |
| 2044 | 0 mph  | 0.38033 | 0.00142 | 0.001848363 |
|      | 5 mph  | 0.01654 | 0.00577 | 0.010915981 |
|      | 25 mph | 0.00866 | 0.00362 | 0.006828726 |
| 2045 | 0 mph  | 0.37343 | 0.0014  | 0.001783717 |
|      | 5 mph  | 0.01579 | 0.00577 | 0.010905325 |
|      | 25 mph | 0.00841 | 0.00362 | 0.006829696 |
| 2046 | 0 mph  | 0.36677 | 0.00139 | 0.001725535 |
|      | 5 mph  | 0.01506 | 0.00577 | 0.010896323 |
|      | 25 mph | 0.00816 | 0.00362 | 0.006830451 |
| 2047 | 0 mph  | 0.36068 | 0.00138 | 0.001667877 |
|      | 5 mph  | 0.0144  | 0.00577 | 0.010884771 |
|      | 25 mph | 0.00794 | 0.00362 | 0.006830451 |
| 2048 | 0 mph  | 0.35478 | 0.00137 | 0.001628782 |
|      | 5 mph  | 0.01375 | 0.00577 | 0.010886244 |
|      | 25 mph | 0.00773 | 0.00362 | 0.006831119 |
| 2049 | 0 mph  | 0.34925 | 0.00137 | 0.001595328 |
|      | 5 mph  | 0.01316 | 0.00577 | 0.010889723 |
|      | 25 mph | 0.00753 | 0.00362 | 0.006832867 |

|      |        |         |         |             |
|------|--------|---------|---------|-------------|
| 2050 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |
| 2051 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |
| 2052 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |
| 2053 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |
| 2054 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |
| 2055 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |
| 2056 | 0 mph  | 0.34411 | 0.00136 | 0.001556576 |
|      | 5 mph  | 0.01263 | 0.00577 | 0.010892846 |
|      | 25 mph | 0.00736 | 0.00362 | 0.006834309 |

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**AVERAGE EMISSION FACTOR  
SCAQMD 2017-2025**

| Speed | LHD1    | MHD     | HHD     |
|-------|---------|---------|---------|
| 0     | 0.75705 | 0.11271 | 0.02573 |
| 5     | 0.09463 | 0.08478 | 0.04022 |
| 25    | 0.03254 | 0.03687 | 0.02112 |

| Speed | Weighted Average Emissions |
|-------|----------------------------|
| 0     | 0.20197                    |
| 5     | 0.06007                    |
| 25    | 0.02642                    |

| Year | Speed  | LHD1    | MHD     | HHD         |
|------|--------|---------|---------|-------------|
| 2017 | 0 mph  | 0.80238 | 0.33444 | 0.066326077 |
|      | 5 mph  | 0.11667 | 0.27566 | 0.099180407 |
|      | 25 mph | 0.03833 | 0.10668 | 0.044321841 |
| 2018 | 0 mph  | 0.79722 | 0.27817 | 0.044570434 |
|      | 5 mph  | 0.11153 | 0.22197 | 0.060043409 |
|      | 25 mph | 0.03706 | 0.08859 | 0.030634806 |
| 2019 | 0 mph  | 0.78974 | 0.22765 | 0.038305427 |
|      | 5 mph  | 0.10622 | 0.16477 | 0.054504214 |
|      | 25 mph | 0.03572 | 0.07099 | 0.028300161 |
| 2020 | 0 mph  | 0.77955 | 0.13091 | 0.022508763 |
|      | 5 mph  | 0.1007  | 0.05733 | 0.041607954 |
|      | 25 mph | 0.03429 | 0.03983 | 0.023662018 |
| 2021 | 0 mph  | 0.76581 | 0.01592 | 0.018815229 |
|      | 5 mph  | 0.09503 | 0.0128  | 0.036249172 |
|      | 25 mph | 0.03278 | 0.00748 | 0.021383743 |
| 2022 | 0 mph  | 0.74834 | 0.01336 | 0.01484053  |
|      | 5 mph  | 0.08917 | 0.01164 | 0.032311715 |
|      | 25 mph | 0.03116 | 0.00683 | 0.019005407 |
| 2023 | 0 mph  | 0.7298  | 0.00536 | 0.009751114 |
|      | 5 mph  | 0.0833  | 0.00631 | 0.012803391 |
|      | 25 mph | 0.02952 | 0.00379 | 0.007623878 |
| 2024 | 0 mph  | 0.71025 | 0.00458 | 0.008709656 |
|      | 5 mph  | 0.07741 | 0.0063  | 0.012704459 |
|      | 25 mph | 0.02785 | 0.00381 | 0.007607986 |
| 2025 | 0 mph  | 0.69039 | 0.00396 | 0.007741953 |
|      | 5 mph  | 0.07163 | 0.00627 | 0.012554254 |
|      | 25 mph | 0.02619 | 0.00382 | 0.007556373 |

KnoxBPres

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\*\* AERMOD Input Produced by:  
\*\* AERMOD View Ver. 9.0.0  
\*\* Lakes Environmental Software Inc.  
\*\* Date: 10/6/2015  
\*\* File: C:\Lakes\AERMOD View\KnoxBP\KnoxBPres\KnoxBPres.ADI

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\*\* AERMOD Control Pathway  
\*\*\*\*\*

\*\*

\*\*

CO STARTING  
TITLEONE C:\Lakes\AERMOD View\KnoxBP\KnoxBPres\KnoxBPres.isc  
MODELOPT DFAULT CONC  
AVERTIME ANNUAL  
URBANOPT 2100516  
POLLUTID DPM  
RUNORNOT RUN  
ERRORFIL KnoxBPres.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 Idling Building E (West Side)  
\*\* PREFIX  
\*\* Length of Side = 8.50  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 0.00002648  
\*\* Vertical Dimension = 4.00  
\*\* SZINIT = 1.86  
\*\* Nodes = 2  
\*\* 474824.850, 3746236.554, 497.36, 4.00, 3.95  
\*\* 474820.373, 3745997.196, 500.21, 4.00, 3.95

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** -----
LOCATION L0004816      VOLUME  474824.771 3746232.304 496.81
LOCATION L0004817      VOLUME  474824.612 3746223.806 496.96
LOCATION L0004818      VOLUME  474824.453 3746215.307 497.11
LOCATION L0004819      VOLUME  474824.294 3746206.809 497.26
LOCATION L0004820      VOLUME  474824.135 3746198.310 497.40
LOCATION L0004821      VOLUME  474823.976 3746189.812 497.55
LOCATION L0004822      VOLUME  474823.817 3746181.313 498.12
LOCATION L0004823      VOLUME  474823.658 3746172.815 498.69
LOCATION L0004824      VOLUME  474823.499 3746164.316 499.26
LOCATION L0004825      VOLUME  474823.340 3746155.818 499.43
LOCATION L0004826      VOLUME  474823.181 3746147.319 499.19
LOCATION L0004827      VOLUME  474823.022 3746138.821 498.95
LOCATION L0004828      VOLUME  474822.863 3746130.322 498.72
LOCATION L0004829      VOLUME  474822.704 3746121.824 498.57
LOCATION L0004830      VOLUME  474822.545 3746113.325 498.42
LOCATION L0004831      VOLUME  474822.386 3746104.827 498.27
LOCATION L0004832      VOLUME  474822.227 3746096.328 498.18
LOCATION L0004833      VOLUME  474822.068 3746087.830 498.20
LOCATION L0004834      VOLUME  474821.909 3746079.331 498.21
LOCATION L0004835      VOLUME  474821.750 3746070.833 498.22
LOCATION L0004836      VOLUME  474821.591 3746062.334 498.48
LOCATION L0004837      VOLUME  474821.432 3746053.836 498.78
LOCATION L0004838      VOLUME  474821.273 3746045.337 499.07
LOCATION L0004839      VOLUME  474821.114 3746036.839 499.26
LOCATION L0004840      VOLUME  474820.955 3746028.340 499.27
LOCATION L0004841      VOLUME  474820.796 3746019.842 499.28
LOCATION L0004842      VOLUME  474820.637 3746011.343 499.29
LOCATION L0004843      VOLUME  474820.478 3746002.845 499.38

```

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

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC Idling Building E (East Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00002648

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475022.016, 3746232.412, 489.79, 4.00, 3.95

\*\* 475017.538, 3745993.054, 491.56, 4.00, 3.95

\*\* -----

```

LOCATION L0004844      VOLUME  475021.937 3746228.162 489.89
LOCATION L0004845      VOLUME  475021.778 3746219.664 489.87
LOCATION L0004846      VOLUME  475021.619 3746211.165 489.61
LOCATION L0004847      VOLUME  475021.460 3746202.667 489.35

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|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0004848 | VOLUME | 475021.301 | 3746194.168 | 489.09 |
| LOCATION | L0004849 | VOLUME | 475021.142 | 3746185.670 | 489.11 |
| LOCATION | L0004850 | VOLUME | 475020.983 | 3746177.171 | 489.39 |
| LOCATION | L0004851 | VOLUME | 475020.824 | 3746168.673 | 489.68 |
| LOCATION | L0004852 | VOLUME | 475020.665 | 3746160.174 | 489.97 |
| LOCATION | L0004853 | VOLUME | 475020.506 | 3746151.676 | 489.71 |
| LOCATION | L0004854 | VOLUME | 475020.347 | 3746143.177 | 489.43 |
| LOCATION | L0004855 | VOLUME | 475020.188 | 3746134.679 | 489.15 |
| LOCATION | L0004856 | VOLUME | 475020.029 | 3746126.180 | 489.13 |
| LOCATION | L0004857 | VOLUME | 475019.870 | 3746117.682 | 489.41 |
| LOCATION | L0004858 | VOLUME | 475019.711 | 3746109.183 | 489.70 |
| LOCATION | L0004859 | VOLUME | 475019.552 | 3746100.685 | 489.99 |
| LOCATION | L0004860 | VOLUME | 475019.393 | 3746092.186 | 490.02 |
| LOCATION | L0004861 | VOLUME | 475019.234 | 3746083.688 | 490.03 |
| LOCATION | L0004862 | VOLUME | 475019.075 | 3746075.189 | 490.03 |
| LOCATION | L0004863 | VOLUME | 475018.916 | 3746066.691 | 490.04 |
| LOCATION | L0004864 | VOLUME | 475018.757 | 3746058.192 | 490.06 |
| LOCATION | L0004865 | VOLUME | 475018.598 | 3746049.694 | 490.08 |
| LOCATION | L0004866 | VOLUME | 475018.439 | 3746041.195 | 490.10 |
| LOCATION | L0004867 | VOLUME | 475018.280 | 3746032.697 | 490.34 |
| LOCATION | L0004868 | VOLUME | 475018.121 | 3746024.198 | 490.62 |
| LOCATION | L0004869 | VOLUME | 475017.962 | 3746015.700 | 490.89 |
| LOCATION | L0004870 | VOLUME | 475017.803 | 3746007.201 | 491.08 |
| LOCATION | L0004871 | VOLUME | 475017.644 | 3745998.702 | 491.11 |

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Idling Building D (West Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00003347

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475163.781, 3746230.017, 485.24, 4.00, 3.95

\*\* 475159.303, 3745990.660, 487.81, 4.00, 3.95

\*\*

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0004872 | VOLUME | 475163.701 | 3746225.768 | 485.02 |
| LOCATION | L0004873 | VOLUME | 475163.542 | 3746217.269 | 485.14 |
| LOCATION | L0004874 | VOLUME | 475163.383 | 3746208.771 | 484.93 |
| LOCATION | L0004875 | VOLUME | 475163.224 | 3746200.272 | 484.72 |
| LOCATION | L0004876 | VOLUME | 475163.065 | 3746191.774 | 484.51 |
| LOCATION | L0004877 | VOLUME | 475162.906 | 3746183.275 | 484.64 |
| LOCATION | L0004878 | VOLUME | 475162.747 | 3746174.777 | 484.87 |
| LOCATION | L0004879 | VOLUME | 475162.588 | 3746166.278 | 485.09 |
| LOCATION | L0004880 | VOLUME | 475162.429 | 3746157.780 | 485.25 |



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|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0004881 | VOLUME | 475162.270 | 3746149.281 | 485.26 |
| LOCATION L0004882 | VOLUME | 475162.111 | 3746140.783 | 485.26 |
| LOCATION L0004883 | VOLUME | 475161.953 | 3746132.284 | 485.27 |
| LOCATION L0004884 | VOLUME | 475161.794 | 3746123.785 | 485.48 |
| LOCATION L0004885 | VOLUME | 475161.635 | 3746115.287 | 485.77 |
| LOCATION L0004886 | VOLUME | 475161.476 | 3746106.788 | 486.06 |
| LOCATION L0004887 | VOLUME | 475161.317 | 3746098.290 | 486.29 |
| LOCATION L0004888 | VOLUME | 475161.158 | 3746089.791 | 486.29 |
| LOCATION L0004889 | VOLUME | 475160.999 | 3746081.293 | 486.30 |
| LOCATION L0004890 | VOLUME | 475160.840 | 3746072.794 | 486.31 |
| LOCATION L0004891 | VOLUME | 475160.681 | 3746064.296 | 486.50 |
| LOCATION L0004892 | VOLUME | 475160.522 | 3746055.797 | 486.79 |
| LOCATION L0004893 | VOLUME | 475160.363 | 3746047.299 | 487.08 |
| LOCATION L0004894 | VOLUME | 475160.204 | 3746038.800 | 487.35 |
| LOCATION L0004895 | VOLUME | 475160.045 | 3746030.302 | 487.55 |
| LOCATION L0004896 | VOLUME | 475159.886 | 3746021.803 | 487.74 |
| LOCATION L0004897 | VOLUME | 475159.727 | 3746013.305 | 487.93 |
| LOCATION L0004898 | VOLUME | 475159.568 | 3746004.806 | 488.00 |
| LOCATION L0004899 | VOLUME | 475159.409 | 3745996.308 | 488.00 |

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC Idling Building D (East Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00003347

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475392.233, 3746223.791, 477.76, 4.00, 3.95

\*\* 475387.755, 3745984.434, 478.87, 4.00, 3.95

\*\*

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0004900 | VOLUME | 475392.153 | 3746219.541 | 477.59 |
| LOCATION L0004901 | VOLUME | 475391.994 | 3746211.043 | 477.60 |
| LOCATION L0004902 | VOLUME | 475391.835 | 3746202.544 | 477.61 |
| LOCATION L0004903 | VOLUME | 475391.676 | 3746194.046 | 477.61 |
| LOCATION L0004904 | VOLUME | 475391.517 | 3746185.547 | 477.56 |
| LOCATION L0004905 | VOLUME | 475391.358 | 3746177.049 | 477.46 |
| LOCATION L0004906 | VOLUME | 475391.200 | 3746168.550 | 477.36 |
| LOCATION L0004907 | VOLUME | 475391.041 | 3746160.052 | 477.26 |
| LOCATION L0004908 | VOLUME | 475390.882 | 3746151.553 | 477.27 |
| LOCATION L0004909 | VOLUME | 475390.723 | 3746143.055 | 477.29 |
| LOCATION L0004910 | VOLUME | 475390.564 | 3746134.556 | 477.30 |
| LOCATION L0004911 | VOLUME | 475390.405 | 3746126.058 | 477.35 |
| LOCATION L0004912 | VOLUME | 475390.246 | 3746117.559 | 477.46 |
| LOCATION L0004913 | VOLUME | 475390.087 | 3746109.061 | 477.56 |

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|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0004914 | VOLUME | 475389.928 | 3746100.562 | 477.66 |
| LOCATION L0004915 | VOLUME | 475389.769 | 3746092.064 | 477.67 |
| LOCATION L0004916 | VOLUME | 475389.610 | 3746083.565 | 477.68 |
| LOCATION L0004917 | VOLUME | 475389.451 | 3746075.067 | 477.68 |
| LOCATION L0004918 | VOLUME | 475389.292 | 3746066.568 | 477.69 |
| LOCATION L0004919 | VOLUME | 475389.133 | 3746058.070 | 477.70 |
| LOCATION L0004920 | VOLUME | 475388.974 | 3746049.571 | 477.70 |
| LOCATION L0004921 | VOLUME | 475388.815 | 3746041.073 | 477.71 |
| LOCATION L0004922 | VOLUME | 475388.656 | 3746032.574 | 477.96 |
| LOCATION L0004923 | VOLUME | 475388.497 | 3746024.076 | 478.25 |
| LOCATION L0004924 | VOLUME | 475388.338 | 3746015.577 | 478.54 |
| LOCATION L0004925 | VOLUME | 475388.179 | 3746007.079 | 478.73 |
| LOCATION L0004926 | VOLUME | 475388.020 | 3745998.580 | 478.73 |
| LOCATION L0004927 | VOLUME | 475387.861 | 3745990.082 | 478.74 |

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC On-Site Travel Building E (West Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 5.563E-06

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 474824.850, 3746236.554, 497.36, 4.00, 3.95

\*\* 474820.373, 3745997.196, 500.21, 4.00, 3.95

\*\*

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0004928 | VOLUME | 474824.771 | 3746232.304 | 496.81 |
| LOCATION L0004929 | VOLUME | 474824.612 | 3746223.806 | 496.96 |
| LOCATION L0004930 | VOLUME | 474824.453 | 3746215.307 | 497.11 |
| LOCATION L0004931 | VOLUME | 474824.294 | 3746206.809 | 497.26 |
| LOCATION L0004932 | VOLUME | 474824.135 | 3746198.310 | 497.40 |
| LOCATION L0004933 | VOLUME | 474823.976 | 3746189.812 | 497.55 |
| LOCATION L0004934 | VOLUME | 474823.817 | 3746181.313 | 498.12 |
| LOCATION L0004935 | VOLUME | 474823.658 | 3746172.815 | 498.69 |
| LOCATION L0004936 | VOLUME | 474823.499 | 3746164.316 | 499.26 |
| LOCATION L0004937 | VOLUME | 474823.340 | 3746155.818 | 499.43 |
| LOCATION L0004938 | VOLUME | 474823.181 | 3746147.319 | 499.19 |
| LOCATION L0004939 | VOLUME | 474823.022 | 3746138.821 | 498.95 |
| LOCATION L0004940 | VOLUME | 474822.863 | 3746130.322 | 498.72 |
| LOCATION L0004941 | VOLUME | 474822.704 | 3746121.824 | 498.57 |
| LOCATION L0004942 | VOLUME | 474822.545 | 3746113.325 | 498.42 |
| LOCATION L0004943 | VOLUME | 474822.386 | 3746104.827 | 498.27 |
| LOCATION L0004944 | VOLUME | 474822.227 | 3746096.328 | 498.18 |
| LOCATION L0004945 | VOLUME | 474822.068 | 3746087.830 | 498.20 |
| LOCATION L0004946 | VOLUME | 474821.909 | 3746079.331 | 498.21 |

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|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0004947 | VOLUME | 474821.750 | 3746070.833 | 498.22 |
| LOCATION L0004948 | VOLUME | 474821.591 | 3746062.334 | 498.48 |
| LOCATION L0004949 | VOLUME | 474821.432 | 3746053.836 | 498.78 |
| LOCATION L0004950 | VOLUME | 474821.273 | 3746045.337 | 499.07 |
| LOCATION L0004951 | VOLUME | 474821.114 | 3746036.839 | 499.26 |
| LOCATION L0004952 | VOLUME | 474820.955 | 3746028.340 | 499.27 |
| LOCATION L0004953 | VOLUME | 474820.796 | 3746019.842 | 499.28 |
| LOCATION L0004954 | VOLUME | 474820.637 | 3746011.343 | 499.29 |
| LOCATION L0004955 | VOLUME | 474820.478 | 3746002.845 | 499.38 |

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

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE6

\*\* DESCRSRC On-Site Travel Building E (East Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 5.563E-06

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475022.016, 3746232.412, 489.79, 4.00, 3.95

\*\* 475017.538, 3745993.054, 491.56, 4.00, 3.95

\*\* -----

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0004956 | VOLUME | 475021.937 | 3746228.162 | 489.89 |
| LOCATION L0004957 | VOLUME | 475021.778 | 3746219.664 | 489.87 |
| LOCATION L0004958 | VOLUME | 475021.619 | 3746211.165 | 489.61 |
| LOCATION L0004959 | VOLUME | 475021.460 | 3746202.667 | 489.35 |
| LOCATION L0004960 | VOLUME | 475021.301 | 3746194.168 | 489.09 |
| LOCATION L0004961 | VOLUME | 475021.142 | 3746185.670 | 489.11 |
| LOCATION L0004962 | VOLUME | 475020.983 | 3746177.171 | 489.39 |
| LOCATION L0004963 | VOLUME | 475020.824 | 3746168.673 | 489.68 |
| LOCATION L0004964 | VOLUME | 475020.665 | 3746160.174 | 489.97 |
| LOCATION L0004965 | VOLUME | 475020.506 | 3746151.676 | 489.71 |
| LOCATION L0004966 | VOLUME | 475020.347 | 3746143.177 | 489.43 |
| LOCATION L0004967 | VOLUME | 475020.188 | 3746134.679 | 489.15 |
| LOCATION L0004968 | VOLUME | 475020.029 | 3746126.180 | 489.13 |
| LOCATION L0004969 | VOLUME | 475019.870 | 3746117.682 | 489.41 |
| LOCATION L0004970 | VOLUME | 475019.711 | 3746109.183 | 489.70 |
| LOCATION L0004971 | VOLUME | 475019.552 | 3746100.685 | 489.99 |
| LOCATION L0004972 | VOLUME | 475019.393 | 3746092.186 | 490.02 |
| LOCATION L0004973 | VOLUME | 475019.234 | 3746083.688 | 490.03 |
| LOCATION L0004974 | VOLUME | 475019.075 | 3746075.189 | 490.03 |
| LOCATION L0004975 | VOLUME | 475018.916 | 3746066.691 | 490.04 |
| LOCATION L0004976 | VOLUME | 475018.757 | 3746058.192 | 490.06 |
| LOCATION L0004977 | VOLUME | 475018.598 | 3746049.694 | 490.08 |
| LOCATION L0004978 | VOLUME | 475018.439 | 3746041.195 | 490.10 |
| LOCATION L0004979 | VOLUME | 475018.280 | 3746032.697 | 490.34 |

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|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0004980 | VOLUME | 475018.121 | 3746024.198 | 490.62 |
| LOCATION L0004981 | VOLUME | 475017.962 | 3746015.700 | 490.89 |
| LOCATION L0004982 | VOLUME | 475017.803 | 3746007.201 | 491.08 |
| LOCATION L0004983 | VOLUME | 475017.644 | 3745998.702 | 491.11 |

\*\* End of LINE VOLUME Source ID = SLINE6

\*\*

-----  
\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE7

\*\* DESCRSRC On-Site Travel Building D (West Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 7.032E-06

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475163.781, 3746230.017, 485.24, 4.00, 3.95

\*\* 475159.303, 3745990.660, 487.81, 4.00, 3.95

\*\*

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0004984 | VOLUME | 475163.701 | 3746225.768 | 485.02 |
| LOCATION L0004985 | VOLUME | 475163.542 | 3746217.269 | 485.14 |
| LOCATION L0004986 | VOLUME | 475163.383 | 3746208.771 | 484.93 |
| LOCATION L0004987 | VOLUME | 475163.224 | 3746200.272 | 484.72 |
| LOCATION L0004988 | VOLUME | 475163.065 | 3746191.774 | 484.51 |
| LOCATION L0004989 | VOLUME | 475162.906 | 3746183.275 | 484.64 |
| LOCATION L0004990 | VOLUME | 475162.747 | 3746174.777 | 484.87 |
| LOCATION L0004991 | VOLUME | 475162.588 | 3746166.278 | 485.09 |
| LOCATION L0004992 | VOLUME | 475162.429 | 3746157.780 | 485.25 |
| LOCATION L0004993 | VOLUME | 475162.270 | 3746149.281 | 485.26 |
| LOCATION L0004994 | VOLUME | 475162.111 | 3746140.783 | 485.26 |
| LOCATION L0004995 | VOLUME | 475161.953 | 3746132.284 | 485.27 |
| LOCATION L0004996 | VOLUME | 475161.794 | 3746123.785 | 485.48 |
| LOCATION L0004997 | VOLUME | 475161.635 | 3746115.287 | 485.77 |
| LOCATION L0004998 | VOLUME | 475161.476 | 3746106.788 | 486.06 |
| LOCATION L0004999 | VOLUME | 475161.317 | 3746098.290 | 486.29 |
| LOCATION L0005000 | VOLUME | 475161.158 | 3746089.791 | 486.29 |
| LOCATION L0005001 | VOLUME | 475160.999 | 3746081.293 | 486.30 |
| LOCATION L0005002 | VOLUME | 475160.840 | 3746072.794 | 486.31 |
| LOCATION L0005003 | VOLUME | 475160.681 | 3746064.296 | 486.50 |
| LOCATION L0005004 | VOLUME | 475160.522 | 3746055.797 | 486.79 |
| LOCATION L0005005 | VOLUME | 475160.363 | 3746047.299 | 487.08 |
| LOCATION L0005006 | VOLUME | 475160.204 | 3746038.800 | 487.35 |
| LOCATION L0005007 | VOLUME | 475160.045 | 3746030.302 | 487.55 |
| LOCATION L0005008 | VOLUME | 475159.886 | 3746021.803 | 487.74 |
| LOCATION L0005009 | VOLUME | 475159.727 | 3746013.305 | 487.93 |
| LOCATION L0005010 | VOLUME | 475159.568 | 3746004.806 | 488.00 |
| LOCATION L0005011 | VOLUME | 475159.409 | 3745996.308 | 488.00 |

\*\* End of LINE VOLUME Source ID = SLINE7

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\*\* -----  
\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE8  
\*\* DESCRSRC On-Site Travel Building D (East Side)  
\*\* PREFIX  
\*\* Length of Side = 8.50  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 7.032E-06  
\*\* Vertical Dimension = 4.00  
\*\* SZINIT = 1.86  
\*\* Nodes = 2  
\*\* 475392.233, 3746223.791, 477.76, 4.00, 3.95  
\*\* 475387.755, 3745984.434, 478.87, 4.00, 3.95  
\*\* -----

| LOCATION | VOLUME     |             |        |  |
|----------|------------|-------------|--------|--|
| L0005012 | 475392.153 | 3746219.541 | 477.59 |  |
| L0005013 | 475391.994 | 3746211.043 | 477.60 |  |
| L0005014 | 475391.835 | 3746202.544 | 477.61 |  |
| L0005015 | 475391.676 | 3746194.046 | 477.61 |  |
| L0005016 | 475391.517 | 3746185.547 | 477.56 |  |
| L0005017 | 475391.358 | 3746177.049 | 477.46 |  |
| L0005018 | 475391.200 | 3746168.550 | 477.36 |  |
| L0005019 | 475391.041 | 3746160.052 | 477.26 |  |
| L0005020 | 475390.882 | 3746151.553 | 477.27 |  |
| L0005021 | 475390.723 | 3746143.055 | 477.29 |  |
| L0005022 | 475390.564 | 3746134.556 | 477.30 |  |
| L0005023 | 475390.405 | 3746126.058 | 477.35 |  |
| L0005024 | 475390.246 | 3746117.559 | 477.46 |  |
| L0005025 | 475390.087 | 3746109.061 | 477.56 |  |
| L0005026 | 475389.928 | 3746100.562 | 477.66 |  |
| L0005027 | 475389.769 | 3746092.064 | 477.67 |  |
| L0005028 | 475389.610 | 3746083.565 | 477.68 |  |
| L0005029 | 475389.451 | 3746075.067 | 477.68 |  |
| L0005030 | 475389.292 | 3746066.568 | 477.69 |  |
| L0005031 | 475389.133 | 3746058.070 | 477.70 |  |
| L0005032 | 475388.974 | 3746049.571 | 477.70 |  |
| L0005033 | 475388.815 | 3746041.073 | 477.71 |  |
| L0005034 | 475388.656 | 3746032.574 | 477.96 |  |
| L0005035 | 475388.497 | 3746024.076 | 478.25 |  |
| L0005036 | 475388.338 | 3746015.577 | 478.54 |  |
| L0005037 | 475388.179 | 3746007.079 | 478.73 |  |
| L0005038 | 475388.020 | 3745998.580 | 478.73 |  |
| L0005039 | 475387.861 | 3745990.082 | 478.74 |  |

\*\* End of LINE VOLUME Source ID = SLINE8  
\*\* -----  
\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE9  
\*\* DESCRSRC Building E Dwy 1 to Harvill (25%)  
\*\* PREFIX

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\*\* Length of Side = 8.50  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 0.0000134  
\*\* Vertical Dimension = 4.00  
\*\* SZINIT = 1.86  
\*\* Nodes = 3  
\*\* 474811.046, 3746313.771, 498.00, 4.00, 3.95  
\*\* 474811.046, 3746339.697, 497.98, 4.00, 3.95  
\*\* 475895.455, 3746345.333, 465.92, 4.00, 3.95

\*\* -----

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0005040 | VOLUME | 474811.046 | 3746318.021 | 498.22 |
| LOCATION | L0005041 | VOLUME | 474811.046 | 3746326.521 | 498.50 |
| LOCATION | L0005042 | VOLUME | 474811.046 | 3746335.021 | 498.77 |
| LOCATION | L0005043 | VOLUME | 474814.869 | 3746339.717 | 498.67 |
| LOCATION | L0005044 | VOLUME | 474823.369 | 3746339.761 | 498.10 |
| LOCATION | L0005045 | VOLUME | 474831.869 | 3746339.805 | 497.54 |
| LOCATION | L0005046 | VOLUME | 474840.369 | 3746339.850 | 496.99 |
| LOCATION | L0005047 | VOLUME | 474848.868 | 3746339.894 | 496.70 |
| LOCATION | L0005048 | VOLUME | 474857.368 | 3746339.938 | 496.42 |
| LOCATION | L0005049 | VOLUME | 474865.868 | 3746339.982 | 496.14 |
| LOCATION | L0005050 | VOLUME | 474874.368 | 3746340.026 | 495.85 |
| LOCATION | L0005051 | VOLUME | 474882.868 | 3746340.070 | 495.57 |
| LOCATION | L0005052 | VOLUME | 474891.368 | 3746340.115 | 495.29 |
| LOCATION | L0005053 | VOLUME | 474899.868 | 3746340.159 | 495.00 |
| LOCATION | L0005054 | VOLUME | 474908.368 | 3746340.203 | 494.71 |
| LOCATION | L0005055 | VOLUME | 474916.867 | 3746340.247 | 494.43 |
| LOCATION | L0005056 | VOLUME | 474925.367 | 3746340.291 | 494.14 |
| LOCATION | L0005057 | VOLUME | 474933.867 | 3746340.336 | 493.86 |
| LOCATION | L0005058 | VOLUME | 474942.367 | 3746340.380 | 493.58 |
| LOCATION | L0005059 | VOLUME | 474950.867 | 3746340.424 | 493.29 |
| LOCATION | L0005060 | VOLUME | 474959.367 | 3746340.468 | 493.01 |
| LOCATION | L0005061 | VOLUME | 474967.867 | 3746340.512 | 492.46 |
| LOCATION | L0005062 | VOLUME | 474976.367 | 3746340.556 | 491.90 |
| LOCATION | L0005063 | VOLUME | 474984.867 | 3746340.601 | 491.34 |
| LOCATION | L0005064 | VOLUME | 474993.366 | 3746340.645 | 490.89 |
| LOCATION | L0005065 | VOLUME | 475001.866 | 3746340.689 | 490.60 |
| LOCATION | L0005066 | VOLUME | 475010.366 | 3746340.733 | 490.32 |
| LOCATION | L0005067 | VOLUME | 475018.866 | 3746340.777 | 490.04 |
| LOCATION | L0005068 | VOLUME | 475027.366 | 3746340.821 | 489.75 |
| LOCATION | L0005069 | VOLUME | 475035.866 | 3746340.866 | 489.47 |
| LOCATION | L0005070 | VOLUME | 475044.366 | 3746340.910 | 489.19 |
| LOCATION | L0005071 | VOLUME | 475052.866 | 3746340.954 | 488.90 |
| LOCATION | L0005072 | VOLUME | 475061.366 | 3746340.998 | 488.62 |
| LOCATION | L0005073 | VOLUME | 475069.865 | 3746341.042 | 488.34 |
| LOCATION | L0005074 | VOLUME | 475078.365 | 3746341.087 | 488.05 |
| LOCATION | L0005075 | VOLUME | 475086.865 | 3746341.131 | 487.77 |
| LOCATION | L0005076 | VOLUME | 475095.365 | 3746341.175 | 487.49 |
| LOCATION | L0005077 | VOLUME | 475103.865 | 3746341.219 | 487.20 |

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|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005078 | VOLUME | 475112.365 | 3746341.263 | 486.84 |
| LOCATION L0005079 | VOLUME | 475120.865 | 3746341.307 | 486.28 |
| LOCATION L0005080 | VOLUME | 475129.365 | 3746341.352 | 485.71 |
| LOCATION L0005081 | VOLUME | 475137.864 | 3746341.396 | 485.14 |
| LOCATION L0005082 | VOLUME | 475146.364 | 3746341.440 | 484.79 |
| LOCATION L0005083 | VOLUME | 475154.864 | 3746341.484 | 484.50 |
| LOCATION L0005084 | VOLUME | 475163.364 | 3746341.528 | 484.22 |
| LOCATION L0005085 | VOLUME | 475171.864 | 3746341.573 | 483.94 |
| LOCATION L0005086 | VOLUME | 475180.364 | 3746341.617 | 483.65 |
| LOCATION L0005087 | VOLUME | 475188.864 | 3746341.661 | 483.37 |
| LOCATION L0005088 | VOLUME | 475197.364 | 3746341.705 | 483.09 |
| LOCATION L0005089 | VOLUME | 475205.864 | 3746341.749 | 482.80 |
| LOCATION L0005090 | VOLUME | 475214.363 | 3746341.793 | 482.52 |
| LOCATION L0005091 | VOLUME | 475222.863 | 3746341.838 | 482.24 |
| LOCATION L0005092 | VOLUME | 475231.363 | 3746341.882 | 481.95 |
| LOCATION L0005093 | VOLUME | 475239.863 | 3746341.926 | 481.67 |
| LOCATION L0005094 | VOLUME | 475248.363 | 3746341.970 | 481.39 |
| LOCATION L0005095 | VOLUME | 475256.863 | 3746342.014 | 481.10 |
| LOCATION L0005096 | VOLUME | 475265.363 | 3746342.058 | 480.81 |
| LOCATION L0005097 | VOLUME | 475273.863 | 3746342.103 | 480.51 |
| LOCATION L0005098 | VOLUME | 475282.363 | 3746342.147 | 480.20 |
| LOCATION L0005099 | VOLUME | 475290.862 | 3746342.191 | 479.87 |
| LOCATION L0005100 | VOLUME | 475299.362 | 3746342.235 | 479.32 |
| LOCATION L0005101 | VOLUME | 475307.862 | 3746342.279 | 478.78 |
| LOCATION L0005102 | VOLUME | 475316.362 | 3746342.324 | 478.23 |
| LOCATION L0005103 | VOLUME | 475324.862 | 3746342.368 | 477.68 |
| LOCATION L0005104 | VOLUME | 475333.362 | 3746342.412 | 477.11 |
| LOCATION L0005105 | VOLUME | 475341.862 | 3746342.456 | 476.54 |
| LOCATION L0005106 | VOLUME | 475350.362 | 3746342.500 | 476.00 |
| LOCATION L0005107 | VOLUME | 475358.862 | 3746342.544 | 475.97 |
| LOCATION L0005108 | VOLUME | 475367.361 | 3746342.589 | 475.95 |
| LOCATION L0005109 | VOLUME | 475375.861 | 3746342.633 | 475.92 |
| LOCATION L0005110 | VOLUME | 475384.361 | 3746342.677 | 475.91 |
| LOCATION L0005111 | VOLUME | 475392.861 | 3746342.721 | 475.91 |
| LOCATION L0005112 | VOLUME | 475401.361 | 3746342.765 | 475.91 |
| LOCATION L0005113 | VOLUME | 475409.861 | 3746342.810 | 475.91 |
| LOCATION L0005114 | VOLUME | 475418.361 | 3746342.854 | 475.65 |
| LOCATION L0005115 | VOLUME | 475426.861 | 3746342.898 | 475.40 |
| LOCATION L0005116 | VOLUME | 475435.360 | 3746342.942 | 475.14 |
| LOCATION L0005117 | VOLUME | 475443.860 | 3746342.986 | 474.87 |
| LOCATION L0005118 | VOLUME | 475452.360 | 3746343.030 | 474.59 |
| LOCATION L0005119 | VOLUME | 475460.860 | 3746343.075 | 474.30 |
| LOCATION L0005120 | VOLUME | 475469.360 | 3746343.119 | 474.02 |
| LOCATION L0005121 | VOLUME | 475477.860 | 3746343.163 | 473.97 |
| LOCATION L0005122 | VOLUME | 475486.360 | 3746343.207 | 473.94 |
| LOCATION L0005123 | VOLUME | 475494.860 | 3746343.251 | 473.91 |
| LOCATION L0005124 | VOLUME | 475503.360 | 3746343.295 | 473.79 |
| LOCATION L0005125 | VOLUME | 475511.859 | 3746343.340 | 473.54 |

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|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0005126 | VOLUME | 475520.359 | 3746343.384 | 473.29 |
| LOCATION | L0005127 | VOLUME | 475528.859 | 3746343.428 | 473.03 |
| LOCATION | L0005128 | VOLUME | 475537.359 | 3746343.472 | 472.75 |
| LOCATION | L0005129 | VOLUME | 475545.859 | 3746343.516 | 472.47 |
| LOCATION | L0005130 | VOLUME | 475554.359 | 3746343.561 | 472.19 |
| LOCATION | L0005131 | VOLUME | 475562.859 | 3746343.605 | 471.99 |
| LOCATION | L0005132 | VOLUME | 475571.359 | 3746343.649 | 471.95 |
| LOCATION | L0005133 | VOLUME | 475579.859 | 3746343.693 | 471.92 |
| LOCATION | L0005134 | VOLUME | 475588.358 | 3746343.737 | 471.88 |
| LOCATION | L0005135 | VOLUME | 475596.858 | 3746343.781 | 471.65 |
| LOCATION | L0005136 | VOLUME | 475605.358 | 3746343.826 | 471.36 |
| LOCATION | L0005137 | VOLUME | 475613.858 | 3746343.870 | 471.08 |
| LOCATION | L0005138 | VOLUME | 475622.358 | 3746343.914 | 470.80 |
| LOCATION | L0005139 | VOLUME | 475630.858 | 3746343.958 | 470.55 |
| LOCATION | L0005140 | VOLUME | 475639.358 | 3746344.002 | 470.31 |
| LOCATION | L0005141 | VOLUME | 475647.858 | 3746344.046 | 470.06 |
| LOCATION | L0005142 | VOLUME | 475656.357 | 3746344.091 | 469.79 |
| LOCATION | L0005143 | VOLUME | 475664.857 | 3746344.135 | 469.50 |
| LOCATION | L0005144 | VOLUME | 475673.357 | 3746344.179 | 469.22 |
| LOCATION | L0005145 | VOLUME | 475681.857 | 3746344.223 | 469.00 |
| LOCATION | L0005146 | VOLUME | 475690.357 | 3746344.267 | 469.00 |
| LOCATION | L0005147 | VOLUME | 475698.857 | 3746344.312 | 469.00 |
| LOCATION | L0005148 | VOLUME | 475707.357 | 3746344.356 | 469.00 |
| LOCATION | L0005149 | VOLUME | 475715.857 | 3746344.400 | 468.97 |
| LOCATION | L0005150 | VOLUME | 475724.357 | 3746344.444 | 468.93 |
| LOCATION | L0005151 | VOLUME | 475732.856 | 3746344.488 | 468.89 |
| LOCATION | L0005152 | VOLUME | 475741.356 | 3746344.532 | 468.81 |
| LOCATION | L0005153 | VOLUME | 475749.856 | 3746344.577 | 468.57 |
| LOCATION | L0005154 | VOLUME | 475758.356 | 3746344.621 | 468.33 |
| LOCATION | L0005155 | VOLUME | 475766.856 | 3746344.665 | 468.09 |
| LOCATION | L0005156 | VOLUME | 475775.356 | 3746344.709 | 467.82 |
| LOCATION | L0005157 | VOLUME | 475783.856 | 3746344.753 | 467.54 |
| LOCATION | L0005158 | VOLUME | 475792.356 | 3746344.798 | 467.25 |
| LOCATION | L0005159 | VOLUME | 475800.856 | 3746344.842 | 467.00 |
| LOCATION | L0005160 | VOLUME | 475809.355 | 3746344.886 | 467.00 |
| LOCATION | L0005161 | VOLUME | 475817.855 | 3746344.930 | 467.00 |
| LOCATION | L0005162 | VOLUME | 475826.355 | 3746344.974 | 467.00 |
| LOCATION | L0005163 | VOLUME | 475834.855 | 3746345.018 | 466.84 |
| LOCATION | L0005164 | VOLUME | 475843.355 | 3746345.063 | 466.55 |
| LOCATION | L0005165 | VOLUME | 475851.855 | 3746345.107 | 466.27 |
| LOCATION | L0005166 | VOLUME | 475860.355 | 3746345.151 | 466.00 |
| LOCATION | L0005167 | VOLUME | 475868.855 | 3746345.195 | 466.00 |
| LOCATION | L0005168 | VOLUME | 475877.355 | 3746345.239 | 466.00 |
| LOCATION | L0005169 | VOLUME | 475885.854 | 3746345.283 | 466.00 |
| LOCATION | L0005170 | VOLUME | 475894.354 | 3746345.328 | 465.85 |

\*\* End of LINE VOLUME Source ID = SLINE9

\*\*

\*\* Line Source Represented by Adjacent Volume Sources



KnoxBPre

\*\* LINE VOLUME Source ID = SLINE10  
 \*\* DESCRSRC Building E Dwy 3 to Harvill (25%)  
 \*\* PREFIX  
 \*\* Length of Side = 8.50  
 \*\* Configuration = Adjacent  
 \*\* Emission Rate = 0.00001085  
 \*\* Vertical Dimension = 4.00  
 \*\* SZINIT = 1.86  
 \*\* Nodes = 3  
 \*\* 475031.865, 3746312.683, 489.78, 4.00, 3.95  
 \*\* 475031.865, 3746340.371, 489.79, 4.00, 3.95  
 \*\* 475903.212, 3746346.390, 465.65, 4.00, 3.95

\*\* -----

| LOCATION | VOLUME     | VOLUME      | VOLUME | VOLUME |
|----------|------------|-------------|--------|--------|
| L0005171 | 475031.865 | 3746316.933 | 489.60 |        |
| L0005172 | 475031.865 | 3746325.433 | 489.60 |        |
| L0005173 | 475031.865 | 3746333.933 | 489.60 |        |
| L0005174 | 475033.927 | 3746340.385 | 489.54 |        |
| L0005175 | 475042.427 | 3746340.444 | 489.25 |        |
| L0005176 | 475050.926 | 3746340.503 | 488.97 |        |
| L0005177 | 475059.426 | 3746340.561 | 488.69 |        |
| L0005178 | 475067.926 | 3746340.620 | 488.40 |        |
| L0005179 | 475076.426 | 3746340.679 | 488.12 |        |
| L0005180 | 475084.926 | 3746340.738 | 487.84 |        |
| L0005181 | 475093.425 | 3746340.796 | 487.55 |        |
| L0005182 | 475101.925 | 3746340.855 | 487.27 |        |
| L0005183 | 475110.425 | 3746340.914 | 486.97 |        |
| L0005184 | 475118.925 | 3746340.972 | 486.40 |        |
| L0005185 | 475127.425 | 3746341.031 | 485.84 |        |
| L0005186 | 475135.924 | 3746341.090 | 485.27 |        |
| L0005187 | 475144.424 | 3746341.149 | 484.85 |        |
| L0005188 | 475152.924 | 3746341.207 | 484.57 |        |
| L0005189 | 475161.424 | 3746341.266 | 484.29 |        |
| L0005190 | 475169.924 | 3746341.325 | 484.00 |        |
| L0005191 | 475178.423 | 3746341.383 | 483.72 |        |
| L0005192 | 475186.923 | 3746341.442 | 483.44 |        |
| L0005193 | 475195.423 | 3746341.501 | 483.15 |        |
| L0005194 | 475203.923 | 3746341.560 | 482.87 |        |
| L0005195 | 475212.423 | 3746341.618 | 482.59 |        |
| L0005196 | 475220.922 | 3746341.677 | 482.30 |        |
| L0005197 | 475229.422 | 3746341.736 | 482.02 |        |
| L0005198 | 475237.922 | 3746341.794 | 481.74 |        |
| L0005199 | 475246.422 | 3746341.853 | 481.45 |        |
| L0005200 | 475254.922 | 3746341.912 | 481.17 |        |
| L0005201 | 475263.421 | 3746341.971 | 480.88 |        |
| L0005202 | 475271.921 | 3746342.029 | 480.58 |        |
| L0005203 | 475280.421 | 3746342.088 | 480.27 |        |
| L0005204 | 475288.921 | 3746342.147 | 479.97 |        |
| L0005205 | 475297.421 | 3746342.205 | 479.45 |        |

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|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005206 | VOLUME | 475305.920 | 3746342.264 | 478.90 |
| LOCATION L0005207 | VOLUME | 475314.420 | 3746342.323 | 478.36 |
| LOCATION L0005208 | VOLUME | 475322.920 | 3746342.382 | 477.81 |
| LOCATION L0005209 | VOLUME | 475331.420 | 3746342.440 | 477.24 |
| LOCATION L0005210 | VOLUME | 475339.920 | 3746342.499 | 476.67 |
| LOCATION L0005211 | VOLUME | 475348.419 | 3746342.558 | 476.11 |
| LOCATION L0005212 | VOLUME | 475356.919 | 3746342.617 | 475.98 |
| LOCATION L0005213 | VOLUME | 475365.419 | 3746342.675 | 475.95 |
| LOCATION L0005214 | VOLUME | 475373.919 | 3746342.734 | 475.93 |
| LOCATION L0005215 | VOLUME | 475382.419 | 3746342.793 | 475.91 |
| LOCATION L0005216 | VOLUME | 475390.918 | 3746342.851 | 475.90 |
| LOCATION L0005217 | VOLUME | 475399.418 | 3746342.910 | 475.90 |
| LOCATION L0005218 | VOLUME | 475407.918 | 3746342.969 | 475.90 |
| LOCATION L0005219 | VOLUME | 475416.418 | 3746343.028 | 475.71 |
| LOCATION L0005220 | VOLUME | 475424.918 | 3746343.086 | 475.45 |
| LOCATION L0005221 | VOLUME | 475433.417 | 3746343.145 | 475.20 |
| LOCATION L0005222 | VOLUME | 475441.917 | 3746343.204 | 474.94 |
| LOCATION L0005223 | VOLUME | 475450.417 | 3746343.262 | 474.65 |
| LOCATION L0005224 | VOLUME | 475458.917 | 3746343.321 | 474.37 |
| LOCATION L0005225 | VOLUME | 475467.417 | 3746343.380 | 474.09 |
| LOCATION L0005226 | VOLUME | 475475.916 | 3746343.439 | 473.98 |
| LOCATION L0005227 | VOLUME | 475484.416 | 3746343.497 | 473.94 |
| LOCATION L0005228 | VOLUME | 475492.916 | 3746343.556 | 473.91 |
| LOCATION L0005229 | VOLUME | 475501.416 | 3746343.615 | 473.84 |
| LOCATION L0005230 | VOLUME | 475509.916 | 3746343.673 | 473.59 |
| LOCATION L0005231 | VOLUME | 475518.415 | 3746343.732 | 473.34 |
| LOCATION L0005232 | VOLUME | 475526.915 | 3746343.791 | 473.09 |
| LOCATION L0005233 | VOLUME | 475535.415 | 3746343.850 | 472.82 |
| LOCATION L0005234 | VOLUME | 475543.915 | 3746343.908 | 472.54 |
| LOCATION L0005235 | VOLUME | 475552.415 | 3746343.967 | 472.25 |
| LOCATION L0005236 | VOLUME | 475560.914 | 3746344.026 | 472.00 |
| LOCATION L0005237 | VOLUME | 475569.414 | 3746344.084 | 471.96 |
| LOCATION L0005238 | VOLUME | 475577.914 | 3746344.143 | 471.92 |
| LOCATION L0005239 | VOLUME | 475586.414 | 3746344.202 | 471.88 |
| LOCATION L0005240 | VOLUME | 475594.914 | 3746344.261 | 471.69 |
| LOCATION L0005241 | VOLUME | 475603.413 | 3746344.319 | 471.41 |
| LOCATION L0005242 | VOLUME | 475611.913 | 3746344.378 | 471.12 |
| LOCATION L0005243 | VOLUME | 475620.413 | 3746344.437 | 470.84 |
| LOCATION L0005244 | VOLUME | 475628.913 | 3746344.495 | 470.60 |
| LOCATION L0005245 | VOLUME | 475637.413 | 3746344.554 | 470.36 |
| LOCATION L0005246 | VOLUME | 475645.912 | 3746344.613 | 470.12 |
| LOCATION L0005247 | VOLUME | 475654.412 | 3746344.672 | 469.85 |
| LOCATION L0005248 | VOLUME | 475662.912 | 3746344.730 | 469.57 |
| LOCATION L0005249 | VOLUME | 475671.412 | 3746344.789 | 469.29 |
| LOCATION L0005250 | VOLUME | 475679.911 | 3746344.848 | 469.00 |
| LOCATION L0005251 | VOLUME | 475688.411 | 3746344.906 | 469.00 |
| LOCATION L0005252 | VOLUME | 475696.911 | 3746344.965 | 469.00 |
| LOCATION L0005253 | VOLUME | 475705.411 | 3746345.024 | 469.00 |

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|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0005254 | VOLUME | 475713.911 | 3746345.083 | 468.98 |
| LOCATION | L0005255 | VOLUME | 475722.410 | 3746345.141 | 468.93 |
| LOCATION | L0005256 | VOLUME | 475730.910 | 3746345.200 | 468.88 |
| LOCATION | L0005257 | VOLUME | 475739.410 | 3746345.259 | 468.83 |
| LOCATION | L0005258 | VOLUME | 475747.910 | 3746345.317 | 468.61 |
| LOCATION | L0005259 | VOLUME | 475756.410 | 3746345.376 | 468.37 |
| LOCATION | L0005260 | VOLUME | 475764.909 | 3746345.435 | 468.14 |
| LOCATION | L0005261 | VOLUME | 475773.409 | 3746345.494 | 467.89 |
| LOCATION | L0005262 | VOLUME | 475781.909 | 3746345.552 | 467.60 |
| LOCATION | L0005263 | VOLUME | 475790.409 | 3746345.611 | 467.32 |
| LOCATION | L0005264 | VOLUME | 475798.909 | 3746345.670 | 467.04 |
| LOCATION | L0005265 | VOLUME | 475807.408 | 3746345.728 | 467.00 |
| LOCATION | L0005266 | VOLUME | 475815.908 | 3746345.787 | 467.00 |
| LOCATION | L0005267 | VOLUME | 475824.408 | 3746345.846 | 467.00 |
| LOCATION | L0005268 | VOLUME | 475832.908 | 3746345.905 | 466.90 |
| LOCATION | L0005269 | VOLUME | 475841.408 | 3746345.963 | 466.62 |
| LOCATION | L0005270 | VOLUME | 475849.907 | 3746346.022 | 466.34 |
| LOCATION | L0005271 | VOLUME | 475858.407 | 3746346.081 | 466.05 |
| LOCATION | L0005272 | VOLUME | 475866.907 | 3746346.139 | 466.00 |
| LOCATION | L0005273 | VOLUME | 475875.407 | 3746346.198 | 466.00 |
| LOCATION | L0005274 | VOLUME | 475883.907 | 3746346.257 | 466.00 |
| LOCATION | L0005275 | VOLUME | 475892.406 | 3746346.316 | 465.92 |
| LOCATION | L0005276 | VOLUME | 475900.906 | 3746346.374 | 465.64 |

\*\* End of LINE VOLUME Source ID = SLINE10

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE11

\*\* DESCRSRC Building D Dwy 4 to Harvill (25%)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00001206

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 3

\*\* 475148.123, 3746307.318, 485.03, 4.00, 3.95

\*\* 475148.123, 3746342.019, 485.01, 4.00, 3.95

\*\* 475904.142, 3746349.563, 465.61, 4.00, 3.95

\*\*

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0005277 | VOLUME | 475148.123 | 3746311.568 | 485.42 |
| LOCATION | L0005278 | VOLUME | 475148.123 | 3746320.068 | 485.21 |
| LOCATION | L0005279 | VOLUME | 475148.123 | 3746328.568 | 485.01 |
| LOCATION | L0005280 | VOLUME | 475148.123 | 3746337.068 | 484.80 |
| LOCATION | L0005281 | VOLUME | 475151.671 | 3746342.055 | 484.61 |
| LOCATION | L0005282 | VOLUME | 475160.171 | 3746342.140 | 484.33 |
| LOCATION | L0005283 | VOLUME | 475168.670 | 3746342.224 | 484.04 |
| LOCATION | L0005284 | VOLUME | 475177.170 | 3746342.309 | 483.76 |
| LOCATION | L0005285 | VOLUME | 475185.670 | 3746342.394 | 483.48 |

KnoxBPre

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005286 | VOLUME | 475194.169 | 3746342.479 | 483.19 |
| LOCATION L0005287 | VOLUME | 475202.669 | 3746342.564 | 482.91 |
| LOCATION L0005288 | VOLUME | 475211.168 | 3746342.648 | 482.63 |
| LOCATION L0005289 | VOLUME | 475219.668 | 3746342.733 | 482.34 |
| LOCATION L0005290 | VOLUME | 475228.167 | 3746342.818 | 482.06 |
| LOCATION L0005291 | VOLUME | 475236.667 | 3746342.903 | 481.78 |
| LOCATION L0005292 | VOLUME | 475245.167 | 3746342.988 | 481.49 |
| LOCATION L0005293 | VOLUME | 475253.666 | 3746343.072 | 481.21 |
| LOCATION L0005294 | VOLUME | 475262.166 | 3746343.157 | 480.92 |
| LOCATION L0005295 | VOLUME | 475270.665 | 3746343.242 | 480.61 |
| LOCATION L0005296 | VOLUME | 475279.165 | 3746343.327 | 480.29 |
| LOCATION L0005297 | VOLUME | 475287.664 | 3746343.412 | 479.97 |
| LOCATION L0005298 | VOLUME | 475296.164 | 3746343.497 | 479.50 |
| LOCATION L0005299 | VOLUME | 475304.664 | 3746343.581 | 478.96 |
| LOCATION L0005300 | VOLUME | 475313.163 | 3746343.666 | 478.43 |
| LOCATION L0005301 | VOLUME | 475321.663 | 3746343.751 | 477.89 |
| LOCATION L0005302 | VOLUME | 475330.162 | 3746343.836 | 477.32 |
| LOCATION L0005303 | VOLUME | 475338.662 | 3746343.921 | 476.76 |
| LOCATION L0005304 | VOLUME | 475347.161 | 3746344.005 | 476.19 |
| LOCATION L0005305 | VOLUME | 475355.661 | 3746344.090 | 475.97 |
| LOCATION L0005306 | VOLUME | 475364.161 | 3746344.175 | 475.93 |
| LOCATION L0005307 | VOLUME | 475372.660 | 3746344.260 | 475.89 |
| LOCATION L0005308 | VOLUME | 475381.160 | 3746344.345 | 475.86 |
| LOCATION L0005309 | VOLUME | 475389.659 | 3746344.429 | 475.85 |
| LOCATION L0005310 | VOLUME | 475398.159 | 3746344.514 | 475.85 |
| LOCATION L0005311 | VOLUME | 475406.659 | 3746344.599 | 475.85 |
| LOCATION L0005312 | VOLUME | 475415.158 | 3746344.684 | 475.70 |
| LOCATION L0005313 | VOLUME | 475423.658 | 3746344.769 | 475.46 |
| LOCATION L0005314 | VOLUME | 475432.157 | 3746344.854 | 475.22 |
| LOCATION L0005315 | VOLUME | 475440.657 | 3746344.938 | 474.98 |
| LOCATION L0005316 | VOLUME | 475449.156 | 3746345.023 | 474.69 |
| LOCATION L0005317 | VOLUME | 475457.656 | 3746345.108 | 474.41 |
| LOCATION L0005318 | VOLUME | 475466.156 | 3746345.193 | 474.13 |
| LOCATION L0005319 | VOLUME | 475474.655 | 3746345.278 | 473.97 |
| LOCATION L0005320 | VOLUME | 475483.155 | 3746345.362 | 473.92 |
| LOCATION L0005321 | VOLUME | 475491.654 | 3746345.447 | 473.87 |
| LOCATION L0005322 | VOLUME | 475500.154 | 3746345.532 | 473.81 |
| LOCATION L0005323 | VOLUME | 475508.653 | 3746345.617 | 473.58 |
| LOCATION L0005324 | VOLUME | 475517.153 | 3746345.702 | 473.35 |
| LOCATION L0005325 | VOLUME | 475525.653 | 3746345.786 | 473.12 |
| LOCATION L0005326 | VOLUME | 475534.152 | 3746345.871 | 472.86 |
| LOCATION L0005327 | VOLUME | 475542.652 | 3746345.956 | 472.58 |
| LOCATION L0005328 | VOLUME | 475551.151 | 3746346.041 | 472.29 |
| LOCATION L0005329 | VOLUME | 475559.651 | 3746346.126 | 472.01 |
| LOCATION L0005330 | VOLUME | 475568.150 | 3746346.211 | 471.94 |
| LOCATION L0005331 | VOLUME | 475576.650 | 3746346.295 | 471.88 |
| LOCATION L0005332 | VOLUME | 475585.150 | 3746346.380 | 471.82 |
| LOCATION L0005333 | VOLUME | 475593.649 | 3746346.465 | 471.66 |

KnoxBPre

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0005334 | VOLUME | 475602.149 | 3746346.550 | 471.38 |
| LOCATION | L0005335 | VOLUME | 475610.648 | 3746346.635 | 471.09 |
| LOCATION | L0005336 | VOLUME | 475619.148 | 3746346.719 | 470.80 |
| LOCATION | L0005337 | VOLUME | 475627.648 | 3746346.804 | 470.58 |
| LOCATION | L0005338 | VOLUME | 475636.147 | 3746346.889 | 470.36 |
| LOCATION | L0005339 | VOLUME | 475644.647 | 3746346.974 | 470.14 |
| LOCATION | L0005340 | VOLUME | 475653.146 | 3746347.059 | 469.90 |
| LOCATION | L0005341 | VOLUME | 475661.646 | 3746347.143 | 469.61 |
| LOCATION | L0005342 | VOLUME | 475670.145 | 3746347.228 | 469.33 |
| LOCATION | L0005343 | VOLUME | 475678.645 | 3746347.313 | 469.05 |
| LOCATION | L0005344 | VOLUME | 475687.145 | 3746347.398 | 469.00 |
| LOCATION | L0005345 | VOLUME | 475695.644 | 3746347.483 | 469.00 |
| LOCATION | L0005346 | VOLUME | 475704.144 | 3746347.568 | 469.00 |
| LOCATION | L0005347 | VOLUME | 475712.643 | 3746347.652 | 468.98 |
| LOCATION | L0005348 | VOLUME | 475721.143 | 3746347.737 | 468.90 |
| LOCATION | L0005349 | VOLUME | 475729.642 | 3746347.822 | 468.83 |
| LOCATION | L0005350 | VOLUME | 475738.142 | 3746347.907 | 468.75 |
| LOCATION | L0005351 | VOLUME | 475746.642 | 3746347.992 | 468.57 |
| LOCATION | L0005352 | VOLUME | 475755.141 | 3746348.076 | 468.36 |
| LOCATION | L0005353 | VOLUME | 475763.641 | 3746348.161 | 468.15 |
| LOCATION | L0005354 | VOLUME | 475772.140 | 3746348.246 | 467.93 |
| LOCATION | L0005355 | VOLUME | 475780.640 | 3746348.331 | 467.65 |
| LOCATION | L0005356 | VOLUME | 475789.139 | 3746348.416 | 467.36 |
| LOCATION | L0005357 | VOLUME | 475797.639 | 3746348.500 | 467.08 |
| LOCATION | L0005358 | VOLUME | 475806.139 | 3746348.585 | 467.00 |
| LOCATION | L0005359 | VOLUME | 475814.638 | 3746348.670 | 467.00 |
| LOCATION | L0005360 | VOLUME | 475823.138 | 3746348.755 | 467.00 |
| LOCATION | L0005361 | VOLUME | 475831.637 | 3746348.840 | 466.95 |
| LOCATION | L0005362 | VOLUME | 475840.137 | 3746348.925 | 466.66 |
| LOCATION | L0005363 | VOLUME | 475848.637 | 3746349.009 | 466.38 |
| LOCATION | L0005364 | VOLUME | 475857.136 | 3746349.094 | 466.10 |
| LOCATION | L0005365 | VOLUME | 475865.636 | 3746349.179 | 466.00 |
| LOCATION | L0005366 | VOLUME | 475874.135 | 3746349.264 | 466.00 |
| LOCATION | L0005367 | VOLUME | 475882.635 | 3746349.349 | 466.00 |
| LOCATION | L0005368 | VOLUME | 475891.134 | 3746349.433 | 465.96 |
| LOCATION | L0005369 | VOLUME | 475899.634 | 3746349.518 | 465.68 |

\*\* End of LINE VOLUME Source ID = SLINE11

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE12

\*\* DESCRSRC Building D Dwy 6 to Harvill (25%)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 7.792E-06

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 3

KnoxBPre

\*\* 475441.004, 3746304.059, 475.29, 4.00, 3.95  
 \*\* 475441.004, 3746345.111, 475.00, 4.00, 3.95  
 \*\* 475910.727, 3746354.035, 465.40, 4.00, 3.95

\*\* -----

| LOCATION | VOLUME     |             |        |  |
|----------|------------|-------------|--------|--|
| L0005370 | 475441.004 | 3746308.309 | 474.97 |  |
| L0005371 | 475441.004 | 3746316.809 | 474.97 |  |
| L0005372 | 475441.004 | 3746325.309 | 474.97 |  |
| L0005373 | 475441.004 | 3746333.809 | 474.97 |  |
| L0005374 | 475441.004 | 3746342.309 | 474.97 |  |
| L0005375 | 475446.701 | 3746345.219 | 474.78 |  |
| L0005376 | 475455.199 | 3746345.381 | 474.49 |  |
| L0005377 | 475463.698 | 3746345.542 | 474.21 |  |
| L0005378 | 475472.196 | 3746345.704 | 473.99 |  |
| L0005379 | 475480.695 | 3746345.865 | 473.93 |  |
| L0005380 | 475489.193 | 3746346.027 | 473.87 |  |
| L0005381 | 475497.692 | 3746346.188 | 473.81 |  |
| L0005382 | 475506.190 | 3746346.349 | 473.63 |  |
| L0005383 | 475514.689 | 3746346.511 | 473.40 |  |
| L0005384 | 475523.187 | 3746346.672 | 473.18 |  |
| L0005385 | 475531.686 | 3746346.834 | 472.94 |  |
| L0005386 | 475540.184 | 3746346.995 | 472.66 |  |
| L0005387 | 475548.683 | 3746347.157 | 472.38 |  |
| L0005388 | 475557.181 | 3746347.318 | 472.09 |  |
| L0005389 | 475565.680 | 3746347.480 | 471.95 |  |
| L0005390 | 475574.178 | 3746347.641 | 471.88 |  |
| L0005391 | 475582.676 | 3746347.803 | 471.80 |  |
| L0005392 | 475591.175 | 3746347.964 | 471.70 |  |
| L0005393 | 475599.673 | 3746348.126 | 471.41 |  |
| L0005394 | 475608.172 | 3746348.287 | 471.12 |  |
| L0005395 | 475616.670 | 3746348.449 | 470.83 |  |
| L0005396 | 475625.169 | 3746348.610 | 470.59 |  |
| L0005397 | 475633.667 | 3746348.771 | 470.39 |  |
| L0005398 | 475642.166 | 3746348.933 | 470.18 |  |
| L0005399 | 475650.664 | 3746349.094 | 469.98 |  |
| L0005400 | 475659.163 | 3746349.256 | 469.69 |  |
| L0005401 | 475667.661 | 3746349.417 | 469.41 |  |
| L0005402 | 475676.160 | 3746349.579 | 469.13 |  |
| L0005403 | 475684.658 | 3746349.740 | 469.00 |  |
| L0005404 | 475693.157 | 3746349.902 | 469.00 |  |
| L0005405 | 475701.655 | 3746350.063 | 469.00 |  |
| L0005406 | 475710.153 | 3746350.225 | 469.00 |  |
| L0005407 | 475718.652 | 3746350.386 | 468.90 |  |
| L0005408 | 475727.150 | 3746350.548 | 468.80 |  |
| L0005409 | 475735.649 | 3746350.709 | 468.69 |  |
| L0005410 | 475744.147 | 3746350.871 | 468.55 |  |
| L0005411 | 475752.646 | 3746351.032 | 468.37 |  |
| L0005412 | 475761.144 | 3746351.193 | 468.19 |  |
| L0005413 | 475769.643 | 3746351.355 | 468.01 |  |

KnoxBPre

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0005414 | VOLUME | 475778.141 | 3746351.516 | 467.73 |
| LOCATION | L0005415 | VOLUME | 475786.640 | 3746351.678 | 467.45 |
| LOCATION | L0005416 | VOLUME | 475795.138 | 3746351.839 | 467.16 |
| LOCATION | L0005417 | VOLUME | 475803.637 | 3746352.001 | 467.00 |
| LOCATION | L0005418 | VOLUME | 475812.135 | 3746352.162 | 467.00 |
| LOCATION | L0005419 | VOLUME | 475820.634 | 3746352.324 | 467.00 |
| LOCATION | L0005420 | VOLUME | 475829.132 | 3746352.485 | 467.00 |
| LOCATION | L0005421 | VOLUME | 475837.630 | 3746352.647 | 466.75 |
| LOCATION | L0005422 | VOLUME | 475846.129 | 3746352.808 | 466.46 |
| LOCATION | L0005423 | VOLUME | 475854.627 | 3746352.970 | 466.18 |
| LOCATION | L0005424 | VOLUME | 475863.126 | 3746353.131 | 466.00 |
| LOCATION | L0005425 | VOLUME | 475871.624 | 3746353.293 | 466.00 |
| LOCATION | L0005426 | VOLUME | 475880.123 | 3746353.454 | 466.00 |
| LOCATION | L0005427 | VOLUME | 475888.621 | 3746353.615 | 466.00 |
| LOCATION | L0005428 | VOLUME | 475897.120 | 3746353.777 | 465.76 |
| LOCATION | L0005429 | VOLUME | 475905.618 | 3746353.938 | 465.48 |

\*\* End of LINE VOLUME Source ID = SLINE12

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE13

\*\* DESCRSRC South on Harvill (5%)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.295E-06

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475900.495, 3746348.753, 465.75, 4.00, 3.95

\*\* 475893.674, 3745874.683, 466.11, 4.00, 3.95

\*\* -----

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0005430 | VOLUME | 475900.434 | 3746344.503 | 465.65 |
| LOCATION | L0005431 | VOLUME | 475900.312 | 3746336.004 | 465.66 |
| LOCATION | L0005432 | VOLUME | 475900.190 | 3746327.505 | 465.66 |
| LOCATION | L0005433 | VOLUME | 475900.067 | 3746319.006 | 465.66 |
| LOCATION | L0005434 | VOLUME | 475899.945 | 3746310.507 | 465.67 |
| LOCATION | L0005435 | VOLUME | 475899.823 | 3746302.008 | 465.67 |
| LOCATION | L0005436 | VOLUME | 475899.701 | 3746293.509 | 465.68 |
| LOCATION | L0005437 | VOLUME | 475899.578 | 3746285.010 | 465.68 |
| LOCATION | L0005438 | VOLUME | 475899.456 | 3746276.511 | 465.68 |
| LOCATION | L0005439 | VOLUME | 475899.334 | 3746268.011 | 465.69 |
| LOCATION | L0005440 | VOLUME | 475899.211 | 3746259.512 | 465.69 |
| LOCATION | L0005441 | VOLUME | 475899.089 | 3746251.013 | 465.70 |
| LOCATION | L0005442 | VOLUME | 475898.967 | 3746242.514 | 465.78 |
| LOCATION | L0005443 | VOLUME | 475898.845 | 3746234.015 | 465.86 |
| LOCATION | L0005444 | VOLUME | 475898.722 | 3746225.516 | 465.95 |
| LOCATION | L0005445 | VOLUME | 475898.600 | 3746217.017 | 466.00 |
| LOCATION | L0005446 | VOLUME | 475898.478 | 3746208.518 | 466.00 |

KnoxBPre

| LOCATION | VOLUME     | Source ID | Value 1     | Value 2 | Value 3 |
|----------|------------|-----------|-------------|---------|---------|
| L0005447 | 475898.355 | SLINE13   | 3746200.018 | 466.00  |         |
| L0005448 | 475898.233 | SLINE13   | 3746191.519 | 466.00  |         |
| L0005449 | 475898.111 | SLINE13   | 3746183.020 | 466.00  |         |
| L0005450 | 475897.989 | SLINE13   | 3746174.521 | 466.00  |         |
| L0005451 | 475897.866 | SLINE13   | 3746166.022 | 466.00  |         |
| L0005452 | 475897.744 | SLINE13   | 3746157.523 | 466.06  |         |
| L0005453 | 475897.622 | SLINE13   | 3746149.024 | 466.27  |         |
| L0005454 | 475897.499 | SLINE13   | 3746140.525 | 466.49  |         |
| L0005455 | 475897.377 | SLINE13   | 3746132.025 | 466.70  |         |
| L0005456 | 475897.255 | SLINE13   | 3746123.526 | 466.76  |         |
| L0005457 | 475897.132 | SLINE13   | 3746115.027 | 466.76  |         |
| L0005458 | 475897.010 | SLINE13   | 3746106.528 | 466.77  |         |
| L0005459 | 475896.888 | SLINE13   | 3746098.029 | 466.79  |         |
| L0005460 | 475896.766 | SLINE13   | 3746089.530 | 466.85  |         |
| L0005461 | 475896.643 | SLINE13   | 3746081.031 | 466.92  |         |
| L0005462 | 475896.521 | SLINE13   | 3746072.532 | 466.98  |         |
| L0005463 | 475896.399 | SLINE13   | 3746064.032 | 467.00  |         |
| L0005464 | 475896.276 | SLINE13   | 3746055.533 | 467.00  |         |
| L0005465 | 475896.154 | SLINE13   | 3746047.034 | 467.00  |         |
| L0005466 | 475896.032 | SLINE13   | 3746038.535 | 467.00  |         |
| L0005467 | 475895.910 | SLINE13   | 3746030.036 | 467.00  |         |
| L0005468 | 475895.787 | SLINE13   | 3746021.537 | 467.00  |         |
| L0005469 | 475895.665 | SLINE13   | 3746013.038 | 467.00  |         |
| L0005470 | 475895.543 | SLINE13   | 3746004.539 | 466.97  |         |
| L0005471 | 475895.420 | SLINE13   | 3745996.040 | 466.92  |         |
| L0005472 | 475895.298 | SLINE13   | 3745987.540 | 466.87  |         |
| L0005473 | 475895.176 | SLINE13   | 3745979.041 | 466.80  |         |
| L0005474 | 475895.054 | SLINE13   | 3745970.542 | 466.57  |         |
| L0005475 | 475894.931 | SLINE13   | 3745962.043 | 466.34  |         |
| L0005476 | 475894.809 | SLINE13   | 3745953.544 | 466.10  |         |
| L0005477 | 475894.687 | SLINE13   | 3745945.045 | 466.00  |         |
| L0005478 | 475894.564 | SLINE13   | 3745936.546 | 466.00  |         |
| L0005479 | 475894.442 | SLINE13   | 3745928.047 | 466.00  |         |
| L0005480 | 475894.320 | SLINE13   | 3745919.547 | 466.00  |         |
| L0005481 | 475894.198 | SLINE13   | 3745911.048 | 466.00  |         |
| L0005482 | 475894.075 | SLINE13   | 3745902.549 | 466.00  |         |
| L0005483 | 475893.953 | SLINE13   | 3745894.050 | 466.00  |         |
| L0005484 | 475893.831 | SLINE13   | 3745885.551 | 466.00  |         |
| L0005485 | 475893.708 | SLINE13   | 3745877.052 | 466.00  |         |

\*\* End of LINE VOLUME Source ID = SLINE13

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE15

\*\* DESCRSRC Harvill to Harley Knox/215 Freeway (95%)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00004384



KnoxBPres

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** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 21
** 475898.291, 3746349.880, 465.80, 4.00, 3.95
** 475897.244, 3746384.949, 465.78, 4.00, 3.95
** 475883.864, 3746430.490, 466.01, 4.00, 3.95
** 475857.363, 3746478.604, 466.35, 4.00, 3.95
** 475836.008, 3746502.018, 465.98, 4.00, 3.95
** 475773.541, 3746560.505, 467.08, 4.00, 3.95
** 475757.265, 3746583.418, 467.43, 4.00, 3.95
** 475747.784, 3746598.430, 467.74, 4.00, 3.95
** 475740.831, 3746612.810, 468.00, 4.00, 3.95
** 475735.458, 3746623.713, 468.27, 4.00, 3.95
** 475729.769, 3746641.412, 468.28, 4.00, 3.95
** 475724.397, 3746661.796, 468.61, 4.00, 3.95
** 475722.184, 3746677.756, 467.83, 4.00, 3.95
** 475721.394, 3746686.922, 467.87, 4.00, 3.95
** 475720.762, 3746705.884, 467.13, 4.00, 3.95
** 475721.078, 3746723.424, 467.23, 4.00, 3.95
** 475720.301, 3746747.676, 466.09, 4.00, 3.95
** 475758.266, 3746749.305, 466.09, 4.00, 3.95
** 475772.434, 3746749.008, 465.81, 4.00, 3.95
** 475792.326, 3746748.350, 465.42, 4.00, 3.95
** 476110.427, 3746752.643, 460.13, 4.00, 3.95

```

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| LOCATION | VOLUME |            |             |        |  |
|----------|--------|------------|-------------|--------|--|
| L0005486 | VOLUME | 475898.164 | 3746354.128 | 465.73 |  |
| L0005487 | VOLUME | 475897.910 | 3746362.624 | 465.74 |  |
| L0005488 | VOLUME | 475897.657 | 3746371.120 | 465.74 |  |
| L0005489 | VOLUME | 475897.403 | 3746379.616 | 465.75 |  |
| L0005490 | VOLUME | 475896.351 | 3746387.986 | 465.79 |  |
| L0005491 | VOLUME | 475893.956 | 3746396.141 | 465.87 |  |
| L0005492 | VOLUME | 475891.560 | 3746404.296 | 465.95 |  |
| L0005493 | VOLUME | 475889.164 | 3746412.452 | 466.00 |  |
| L0005494 | VOLUME | 475886.768 | 3746420.607 | 466.00 |  |
| L0005495 | VOLUME | 475884.372 | 3746428.762 | 466.00 |  |
| L0005496 | VOLUME | 475880.632 | 3746436.358 | 465.85 |  |
| L0005497 | VOLUME | 475876.531 | 3746443.803 | 465.75 |  |
| L0005498 | VOLUME | 475872.430 | 3746451.249 | 465.71 |  |
| L0005499 | VOLUME | 475868.329 | 3746458.694 | 465.73 |  |
| L0005500 | VOLUME | 475864.229 | 3746466.139 | 465.68 |  |
| L0005501 | VOLUME | 475860.128 | 3746473.585 | 465.54 |  |
| L0005502 | VOLUME | 475855.497 | 3746480.650 | 465.46 |  |
| L0005503 | VOLUME | 475849.769 | 3746486.930 | 465.44 |  |
| L0005504 | VOLUME | 475844.041 | 3746493.210 | 465.53 |  |
| L0005505 | VOLUME | 475838.313 | 3746499.491 | 465.72 |  |
| L0005506 | VOLUME | 475832.300 | 3746505.489 | 465.92 |  |
| L0005507 | VOLUME | 475826.095 | 3746511.299 | 466.04 |  |
| L0005508 | VOLUME | 475819.890 | 3746517.109 | 466.03 |  |

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|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005509 | VOLUME | 475813.685 | 3746522.918 | 466.05 |
| LOCATION L0005510 | VOLUME | 475807.480 | 3746528.728 | 466.22 |
| LOCATION L0005511 | VOLUME | 475801.276 | 3746534.537 | 466.46 |
| LOCATION L0005512 | VOLUME | 475795.071 | 3746540.347 | 466.73 |
| LOCATION L0005513 | VOLUME | 475788.866 | 3746546.156 | 466.92 |
| LOCATION L0005514 | VOLUME | 475782.661 | 3746551.966 | 467.00 |
| LOCATION L0005515 | VOLUME | 475776.457 | 3746557.775 | 467.00 |
| LOCATION L0005516 | VOLUME | 475770.932 | 3746564.179 | 467.00 |
| LOCATION L0005517 | VOLUME | 475766.009 | 3746571.108 | 467.13 |
| LOCATION L0005518 | VOLUME | 475761.087 | 3746578.038 | 467.30 |
| LOCATION L0005519 | VOLUME | 475756.250 | 3746585.025 | 467.46 |
| LOCATION L0005520 | VOLUME | 475751.711 | 3746592.212 | 467.61 |
| LOCATION L0005521 | VOLUME | 475747.285 | 3746599.461 | 467.76 |
| LOCATION L0005522 | VOLUME | 475743.585 | 3746607.113 | 467.88 |
| LOCATION L0005523 | VOLUME | 475739.870 | 3746614.759 | 468.00 |
| LOCATION L0005524 | VOLUME | 475736.113 | 3746622.383 | 468.13 |
| LOCATION L0005525 | VOLUME | 475733.311 | 3746630.394 | 468.22 |
| LOCATION L0005526 | VOLUME | 475730.710 | 3746638.486 | 468.31 |
| LOCATION L0005527 | VOLUME | 475728.386 | 3746646.660 | 468.17 |
| LOCATION L0005528 | VOLUME | 475726.220 | 3746654.879 | 467.96 |
| LOCATION L0005529 | VOLUME | 475724.212 | 3746663.130 | 467.76 |
| LOCATION L0005530 | VOLUME | 475723.045 | 3746671.549 | 467.54 |
| LOCATION L0005531 | VOLUME | 475721.992 | 3746679.982 | 467.40 |
| LOCATION L0005532 | VOLUME | 475721.343 | 3746688.455 | 467.24 |
| LOCATION L0005533 | VOLUME | 475721.060 | 3746696.951 | 467.06 |
| LOCATION L0005534 | VOLUME | 475720.777 | 3746705.446 | 466.82 |
| LOCATION L0005535 | VOLUME | 475720.907 | 3746713.944 | 466.54 |
| LOCATION L0005536 | VOLUME | 475721.061 | 3746722.443 | 466.25 |
| LOCATION L0005537 | VOLUME | 475720.837 | 3746730.939 | 466.00 |
| LOCATION L0005538 | VOLUME | 475720.565 | 3746739.434 | 466.00 |
| LOCATION L0005539 | VOLUME | 475720.554 | 3746747.687 | 466.00 |
| LOCATION L0005540 | VOLUME | 475729.046 | 3746748.052 | 466.00 |
| LOCATION L0005541 | VOLUME | 475737.539 | 3746748.416 | 466.00 |
| LOCATION L0005542 | VOLUME | 475746.031 | 3746748.780 | 466.00 |
| LOCATION L0005543 | VOLUME | 475754.523 | 3746749.144 | 466.00 |
| LOCATION L0005544 | VOLUME | 475763.019 | 3746749.205 | 466.00 |
| LOCATION L0005545 | VOLUME | 475771.517 | 3746749.027 | 465.92 |
| LOCATION L0005546 | VOLUME | 475780.012 | 3746748.757 | 465.46 |
| LOCATION L0005547 | VOLUME | 475788.508 | 3746748.476 | 465.00 |
| LOCATION L0005548 | VOLUME | 475797.005 | 3746748.413 | 464.55 |
| LOCATION L0005549 | VOLUME | 475805.504 | 3746748.528 | 464.20 |
| LOCATION L0005550 | VOLUME | 475814.004 | 3746748.642 | 463.91 |
| LOCATION L0005551 | VOLUME | 475822.503 | 3746748.757 | 463.62 |
| LOCATION L0005552 | VOLUME | 475831.002 | 3746748.872 | 463.37 |
| LOCATION L0005553 | VOLUME | 475839.501 | 3746748.987 | 463.37 |
| LOCATION L0005554 | VOLUME | 475848.000 | 3746749.101 | 463.36 |
| LOCATION L0005555 | VOLUME | 475856.500 | 3746749.216 | 463.36 |
| LOCATION L0005556 | VOLUME | 475864.999 | 3746749.331 | 463.30 |

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|          |   |              |            |             |         |
|----------|---|--------------|------------|-------------|---------|
| LOCATION | L0005557                                      | VOLUME       | 475873.498 | 3746749.445 | 463.19  |
| LOCATION | L0005558                                      | VOLUME       | 475881.997 | 3746749.560 | 463.09  |
| LOCATION | L0005559                                      | VOLUME       | 475890.497 | 3746749.675 | 463.00  |
| LOCATION | L0005560                                      | VOLUME       | 475898.996 | 3746749.790 | 463.00  |
| LOCATION | L0005561                                      | VOLUME       | 475907.495 | 3746749.904 | 463.00  |
| LOCATION | L0005562                                      | VOLUME       | 475915.994 | 3746750.019 | 463.00  |
| LOCATION | L0005563                                      | VOLUME       | 475924.494 | 3746750.134 | 462.90  |
| LOCATION | L0005564                                      | VOLUME       | 475932.993 | 3746750.248 | 462.71  |
| LOCATION | L0005565                                      | VOLUME       | 475941.492 | 3746750.363 | 462.51  |
| LOCATION | L0005566                                      | VOLUME       | 475949.991 | 3746750.478 | 462.32  |
| LOCATION | L0005567                                      | VOLUME       | 475958.490 | 3746750.593 | 462.22  |
| LOCATION | L0005568                                      | VOLUME       | 475966.990 | 3746750.707 | 462.13  |
| LOCATION | L0005569                                      | VOLUME       | 475975.489 | 3746750.822 | 462.05  |
| LOCATION | L0005570                                      | VOLUME       | 475983.988 | 3746750.937 | 462.00  |
| LOCATION | L0005571                                      | VOLUME       | 475992.487 | 3746751.052 | 462.00  |
| LOCATION | L0005572                                      | VOLUME       | 476000.987 | 3746751.166 | 462.00  |
| LOCATION | L0005573                                      | VOLUME       | 476009.486 | 3746751.281 | 462.00  |
| LOCATION | L0005574                                      | VOLUME       | 476017.985 | 3746751.396 | 461.73  |
| LOCATION | L0005575                                      | VOLUME       | 476026.484 | 3746751.510 | 461.45  |
| LOCATION | L0005576                                      | VOLUME       | 476034.983 | 3746751.625 | 461.17  |
| LOCATION | L0005577                                      | VOLUME       | 476043.483 | 3746751.740 | 461.00  |
| LOCATION | L0005578                                      | VOLUME       | 476051.982 | 3746751.855 | 461.00  |
| LOCATION | L0005579                                      | VOLUME       | 476060.481 | 3746751.969 | 461.00  |
| LOCATION | L0005580                                      | VOLUME       | 476068.980 | 3746752.084 | 461.00  |
| LOCATION | L0005581                                      | VOLUME       | 476077.480 | 3746752.199 | 460.75  |
| LOCATION | L0005582                                      | VOLUME       | 476085.979 | 3746752.313 | 460.47  |
| LOCATION | L0005583                                      | VOLUME       | 476094.478 | 3746752.428 | 460.18  |
| LOCATION | L0005584                                      | VOLUME       | 476102.977 | 3746752.543 | 460.00  |
| **       | End of LINE VOLUME Source ID = SLINE15        |              |            |             |         |
| LOCATION | PAREA1  | AREAPOLY     | 474745.374 | 3746237.975 | 502.460 |
| **       | DESCRSRC Yard Tractors Building E (West Side) |              |            |             |         |
| LOCATION | PAREA2  | AREAPOLY     | 475006.383 | 3746235.194 | 490.450 |
| **       | DESCRSRC Yard Tractors Building E (East Side) |              |            |             |         |
| LOCATION | AREA1   | AREA         | 475113.660 | 3745988.060 | 487.360 |
| **       | DESCRSRC Yard Tractors Building E (West Side) |              |            |             |         |
| LOCATION | AREA2   | AREA         | 475380.860 | 3745968.940 | 478.610 |
| **       | DESCRSRC Yard Tractors Building D (East Side) |              |            |             |         |
| **       | Source Parameters **                          |              |            |             |         |
| **       | LINE VOLUME Source ID = SLINE1                |              |            |             |         |
| SRCPARAM | L0004816                                      | 0.0000009457 | 4.00       | 3.95        | 1.86    |
| SRCPARAM | L0004817                                      | 0.0000009457 | 4.00       | 3.95        | 1.86    |
| SRCPARAM | L0004818                                      | 0.0000009457 | 4.00       | 3.95        | 1.86    |
| SRCPARAM | L0004819                                      | 0.0000009457 | 4.00       | 3.95        | 1.86    |
| SRCPARAM | L0004820                                      | 0.0000009457 | 4.00       | 3.95        | 1.86    |
| SRCPARAM | L0004821                                      | 0.0000009457 | 4.00       | 3.95        | 1.86    |
| SRCPARAM | L0004822                                      | 0.0000009457 | 4.00       | 3.95        | 1.86    |
| SRCPARAM | L0004823                                      | 0.0000009457 | 4.00       | 3.95        | 1.86    |
| SRCPARAM | L0004824                                      | 0.0000009457 | 4.00       | 3.95        | 1.86    |

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|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0004825 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004826 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004827 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004828 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004829 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004830 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004831 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004832 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004833 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004834 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004835 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004836 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004837 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004838 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004839 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004840 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004841 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004842 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004843 | 0.0000009457 | 4.00 | 3.95 | 1.86 |

\*\*

\*\* LINE VOLUME Source ID = SLINE2

|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0004844 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004845 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004846 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004847 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004848 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004849 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004850 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004851 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004852 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004853 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004854 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004855 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004856 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004857 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004858 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004859 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004860 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004861 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004862 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004863 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004864 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004865 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004866 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004867 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004868 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004869 | 0.0000009457 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004870 | 0.0000009457 | 4.00 | 3.95 | 1.86 |

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SRCPARAM L0004871 0.0000009457 4.00 3.95 1.86

\*\* -----

\*\* LINE VOLUME Source ID = SLINE3

|                   |             |      |      |      |
|-------------------|-------------|------|------|------|
| SRCPARAM L0004872 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004873 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004874 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004875 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004876 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004877 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004878 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004879 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004880 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004881 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004882 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004883 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004884 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004885 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004886 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004887 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004888 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004889 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004890 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004891 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004892 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004893 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004894 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004895 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004896 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004897 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004898 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004899 | 0.000001195 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE4

|                   |             |      |      |      |
|-------------------|-------------|------|------|------|
| SRCPARAM L0004900 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004901 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004902 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004903 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004904 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004905 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004906 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004907 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004908 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004909 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004910 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004911 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004912 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004913 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004914 | 0.000001195 | 4.00 | 3.95 | 1.86 |

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|                   |             |      |      |      |
|-------------------|-------------|------|------|------|
| SRCPARAM L0004915 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004916 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004917 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004918 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004919 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004920 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004921 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004922 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004923 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004924 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004925 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004926 | 0.000001195 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004927 | 0.000001195 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE5

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0004928 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004929 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004930 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004931 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004932 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004933 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004934 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004935 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004936 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004937 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004938 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004939 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004940 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004941 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004942 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004943 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004944 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004945 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004946 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004947 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004948 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004949 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004950 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004951 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004952 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004953 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004954 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004955 | 0.0000001987 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE6

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0004956 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004957 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0004958 | 0.0000001987 | 4.00 | 3.95 | 1.86 |

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|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0004959 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004960 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004961 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004962 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004963 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004964 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004965 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004966 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004967 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004968 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004969 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004970 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004971 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004972 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004973 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004974 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004975 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004976 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004977 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004978 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004979 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004980 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004981 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004982 | 0.0000001987 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004983 | 0.0000001987 | 4.00 | 3.95 | 1.86 |

\*\*

\*\* LINE VOLUME Source ID = SLINE7

|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0004984 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004985 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004986 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004987 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004988 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004989 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004990 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004991 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004992 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004993 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004994 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004995 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004996 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004997 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004998 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0004999 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005000 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005001 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005002 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005003 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005004 | 0.0000002511 | 4.00 | 3.95 | 1.86 |

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|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0005005 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005006 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005007 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005008 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005009 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005010 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005011 | 0.0000002511 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE8

|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0005012 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005013 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005014 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005015 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005016 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005017 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005018 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005019 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005020 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005021 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005022 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005023 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005024 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005025 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005026 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005027 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005028 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005029 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005030 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005031 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005032 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005033 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005034 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005035 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005036 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005037 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005038 | 0.0000002511 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005039 | 0.0000002511 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE9

|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0005040 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005041 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005042 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005043 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005044 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005045 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005046 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005047 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005048 | 0.0000001023 | 4.00 | 3.95 | 1.86 |







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|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0005145 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005146 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005147 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005148 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005149 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005150 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005151 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005152 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005153 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005154 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005155 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005156 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005157 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005158 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005159 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005160 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005161 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005162 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005163 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005164 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005165 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005166 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005167 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005168 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005169 | 0.0000001023 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005170 | 0.0000001023 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE10

|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0005171 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005172 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005173 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005174 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005175 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005176 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005177 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005178 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005179 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005180 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005181 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005182 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005183 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005184 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005185 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005186 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005187 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005188 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005189 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005190 | 0.0000001024 | 4.00 | 3.95 | 1.86 |



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|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005239 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005240 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005241 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005242 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005243 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005244 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005245 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005246 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005247 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005248 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005249 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005250 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005251 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005252 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005253 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005254 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005255 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005256 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005257 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005258 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005259 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005260 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005261 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005262 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005263 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005264 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005265 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005266 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005267 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005268 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005269 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005270 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005271 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005272 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005273 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005274 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005275 | 0.0000001024 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005276 | 0.0000001024 | 4.00 | 3.95 | 1.86 |

\*\*

\*\* LINE VOLUME Source ID = SLINE11

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005277 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005278 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005279 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005280 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005281 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005282 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005283 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005284 | 0.0000001297 | 4.00 | 3.95 | 1.86 |



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|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005333 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005334 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005335 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005336 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005337 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005338 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005339 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005340 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005341 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005342 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005343 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005344 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005345 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005346 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005347 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005348 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005349 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005350 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005351 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005352 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005353 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005354 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005355 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005356 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005357 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005358 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005359 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005360 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005361 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005362 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005363 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005364 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005365 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005366 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005367 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005368 | 0.0000001297 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005369 | 0.0000001297 | 4.00 | 3.95 | 1.86 |

\*\*

\*\* LINE VOLUME Source ID = SLINE12

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005370 | 0.0000001299 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005371 | 0.0000001299 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005372 | 0.0000001299 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005373 | 0.0000001299 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005374 | 0.0000001299 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005375 | 0.0000001299 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005376 | 0.0000001299 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005377 | 0.0000001299 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005378 | 0.0000001299 | 4.00 | 3.95 | 1.86 |





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|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0005427 | 0.0000001299 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005428 | 0.0000001299 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005429 | 0.0000001299 | 4.00 | 3.95 | 1.86 |

\*\*

\*\* LINE VOLUME Source ID = SLINE13

|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0005430 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005431 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005432 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005433 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005434 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005435 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005436 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005437 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005438 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005439 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005440 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005441 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005442 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005443 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005444 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005445 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005446 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005447 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005448 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005449 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005450 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005451 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005452 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005453 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005454 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005455 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005456 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005457 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005458 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005459 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005460 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005461 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005462 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005463 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005464 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005465 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005466 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005467 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005468 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005469 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005470 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005471 | 0.0000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005472 | 0.0000002313 | 4.00 | 3.95 | 1.86 |

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|          |          |               |      |      |      |
|----------|----------|---------------|------|------|------|
| SRCPARAM | L0005473 | 0.00000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005474 | 0.00000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005475 | 0.00000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005476 | 0.00000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005477 | 0.00000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005478 | 0.00000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005479 | 0.00000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005480 | 0.00000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005481 | 0.00000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005482 | 0.00000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005483 | 0.00000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005484 | 0.00000002313 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005485 | 0.00000002313 | 4.00 | 3.95 | 1.86 |

\*\*

\*\* LINE VOLUME Source ID = SLINE15

|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0005486 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005487 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005488 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005489 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005490 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005491 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005492 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005493 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005494 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005495 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005496 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005497 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005498 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005499 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005500 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005501 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005502 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005503 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005504 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005505 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005506 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005507 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005508 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005509 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005510 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005511 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005512 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005513 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005514 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005515 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005516 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005517 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005518 | 0.0000004428 | 4.00 | 3.95 | 1.86 |



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|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005567 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005568 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005569 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005570 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005571 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005572 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005573 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005574 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005575 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005576 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005577 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005578 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005579 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005580 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005581 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005582 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005583 | 0.0000004428 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005584 | 0.0000004428 | 4.00 | 3.95 | 1.86 |

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|                 |            |             |            |             |       |
|-----------------|------------|-------------|------------|-------------|-------|
| SRCPARAM PAREA1 | 3.528E-09  | 3.900       | 9          | 1.800       |       |
| AREAVERT PAREA1 | 474745.374 | 3746237.975 | 474837.822 | 3746236.237 |       |
| AREAVERT PAREA1 | 474833.651 | 3745984.959 | 474785.342 | 3745986.349 |       |
| AREAVERT PAREA1 | 474780.129 | 3745991.910 | 474780.824 | 3746073.931 |       |
| AREAVERT PAREA1 | 474755.105 | 3746094.437 | 474744.679 | 3746095.479 |       |
| AREAVERT PAREA1 | 474745.374 | 3746239.365 |            |             |       |
| SRCPARAM PAREA2 | 5.0784E-09 | 3.900       | 9          | 1.800       |       |
| AREAVERT PAREA2 | 475006.383 | 3746235.194 | 475043.571 | 3746234.499 |       |
| AREAVERT PAREA2 | 475043.571 | 3746216.079 | 475062.686 | 3746215.036 |       |
| AREAVERT PAREA2 | 475060.254 | 3745995.385 | 475044.961 | 3745996.080 |       |
| AREAVERT PAREA2 | 475043.571 | 3745988.434 | 475007.426 | 3745989.824 |       |
| AREAVERT PAREA2 | 475004.298 | 3745990.867 |            |             |       |
| SRCPARAM AREA1  | 4.48E-09   | 3.900       | 59.076     | 255.832     | 0.337 |

1.800

|                |            |       |        |         |       |
|----------------|------------|-------|--------|---------|-------|
| SRCPARAM AREA2 | 3.3429E-09 | 3.900 | 75.775 | 267.300 | 0.263 |
|----------------|------------|-------|--------|---------|-------|

1.800

URBANSRC ALL  
SRCGROUP ALL

SO FINISHED

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\*\*\*\*\*

\*\* AERMOD Receptor Pathway

\*\*\*\*\*

\*\*

\*\*

RE STARTING  
INCLUDED KnoxBPres.rou

RE FINISHED

\*\*

KnoxBPres

\*\*\*\*\*

\*\* AERMOD Meteorology Pathway

\*\*\*\*\*

\*\*  
\*\*

ME STARTING

SURFFILE "..\SRA24\_Met Data\peri8.sfc"

PROFFILE "..\SRA24\_Met Data\peri8.PFL"

SURFDATA 3190 2007

UAIRDATA 3190 2007

SITEDATA 99999 2007

PROFBASE 442.0 METERS

ME FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Output Pathway

\*\*\*\*\*

\*\*  
\*\*

OU STARTING

\*\* Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL KNOXBPRES.AD\AN00GALL.PLT 31

SUMMFILE KnoxBPres.sum

OU FINISHED

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

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

A Total of                    0 Fatal Error Message(s)  
A Total of                    1 Warning Message(s)  
A Total of                    0 Informational Message(s)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

ME W531      1883            MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for  
SURFDATA

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

♀ \*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* C:\Lakes\AERMOD

KnoxBPre  
View\KnoxBP\KnoxBPre\KnoxBPre.isc \*\*\* 10/06/15  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
\*\*\* 14:59:07

PAGE 1  
\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* MODEL SETUP OPTIONS SUMMARY

\*\*\*

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

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

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

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

\*\*Model Uses URBAN Dispersion Algorithm for the SBL for 773 Source(s),  
for Total of 1 Urban Area(s):  
Urban Population = 2100516.0 ; Urban Roughness Length = 1.000 m

\*\*Model Uses Regulatory DEFAULT Options:

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

\*\*Other Options Specified:

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: DPM

\*\*Model Calculates ANNUAL Averages Only

\*\*This Run Includes: 773 Source(s); 1 Source Group(s); and 44  
Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 769 VOLUME source(s)  
and: 4 AREA type source(s)

KnoxBPres  
and: 0 LINE source(s)  
and: 0 OPENPIT source(s)

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

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

\*\*Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor  
Model Outputs External File(s) of High Values for Plotting (PLOTFILE

Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE

Keyword)

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

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay  
Coef. = 0.000 ; Rot. Angle = 0.0  
Emission Units = GRAMS/SEC ;  
Emission Rate Unit Factor = 0.10000E+07  
Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 4.1 MB of RAM.

\*\*Detailed Error/Message File: KnoxBPres.err

\*\*File for Summary of Results: KnoxBPres.sum

♀ \*\*\* AERMOD - VERSION 15181 \*\*\* C:\Lakes\AERMOD  
View\KnoxBP\KnoxBPres\KnoxBPres.isc \*\*\* 10/06/15  
\*\*\* AERMET - VERSION 14134 \*\*\*  
\*\*\* 14:59:07

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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

| ID<br>(METERS) | CATS.<br>BY | KnoxBPres   |          |           |          |          |      |
|----------------|-------------|-------------|----------|-----------|----------|----------|------|
|                |             | (METERS)    | (METERS) | (METERS)  | (METERS) | (METERS) |      |
| L0004816       | 0           | 0.94570E-06 | 474824.8 | 3746232.3 | 496.8    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004817       | 0           | 0.94570E-06 | 474824.6 | 3746223.8 | 497.0    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004818       | 0           | 0.94570E-06 | 474824.5 | 3746215.3 | 497.1    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004819       | 0           | 0.94570E-06 | 474824.3 | 3746206.8 | 497.3    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004820       | 0           | 0.94570E-06 | 474824.1 | 3746198.3 | 497.4    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004821       | 0           | 0.94570E-06 | 474824.0 | 3746189.8 | 497.6    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004822       | 0           | 0.94570E-06 | 474823.8 | 3746181.3 | 498.1    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004823       | 0           | 0.94570E-06 | 474823.7 | 3746172.8 | 498.7    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004824       | 0           | 0.94570E-06 | 474823.5 | 3746164.3 | 499.3    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004825       | 0           | 0.94570E-06 | 474823.3 | 3746155.8 | 499.4    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004826       | 0           | 0.94570E-06 | 474823.2 | 3746147.3 | 499.2    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004827       | 0           | 0.94570E-06 | 474823.0 | 3746138.8 | 498.9    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004828       | 0           | 0.94570E-06 | 474822.9 | 3746130.3 | 498.7    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004829       | 0           | 0.94570E-06 | 474822.7 | 3746121.8 | 498.6    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004830       | 0           | 0.94570E-06 | 474822.5 | 3746113.3 | 498.4    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004831       | 0           | 0.94570E-06 | 474822.4 | 3746104.8 | 498.3    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004832       | 0           | 0.94570E-06 | 474822.2 | 3746096.3 | 498.2    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004833       | 0           | 0.94570E-06 | 474822.1 | 3746087.8 | 498.2    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004834       | 0           | 0.94570E-06 | 474821.9 | 3746079.3 | 498.2    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004835       | 0           | 0.94570E-06 | 474821.8 | 3746070.8 | 498.2    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004836       | 0           | 0.94570E-06 | 474821.6 | 3746062.3 | 498.5    | 4.00     | 3.95 |
| 1.86 YES       |             |             |          |           |          |          |      |
| L0004837       | 0           | 0.94570E-06 | 474821.4 | 3746053.8 | 498.8    | 4.00     | 3.95 |



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|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004838 |     | 0 | 0.94570E-06 | 474821.3 | 3746045.3 | 499.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004839 |     | 0 | 0.94570E-06 | 474821.1 | 3746036.8 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004840 |     | 0 | 0.94570E-06 | 474821.0 | 3746028.3 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004841 |     | 0 | 0.94570E-06 | 474820.8 | 3746019.8 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004842 |     | 0 | 0.94570E-06 | 474820.6 | 3746011.3 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004843 |     | 0 | 0.94570E-06 | 474820.5 | 3746002.8 | 499.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004844 |     | 0 | 0.94570E-06 | 475021.9 | 3746228.2 | 489.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004845 |     | 0 | 0.94570E-06 | 475021.8 | 3746219.7 | 489.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004846 |     | 0 | 0.94570E-06 | 475021.6 | 3746211.2 | 489.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004847 |     | 0 | 0.94570E-06 | 475021.5 | 3746202.7 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004848 |     | 0 | 0.94570E-06 | 475021.3 | 3746194.2 | 489.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004849 |     | 0 | 0.94570E-06 | 475021.1 | 3746185.7 | 489.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004850 |     | 0 | 0.94570E-06 | 475021.0 | 3746177.2 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004851 |     | 0 | 0.94570E-06 | 475020.8 | 3746168.7 | 489.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004852 |     | 0 | 0.94570E-06 | 475020.7 | 3746160.2 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004853 |     | 0 | 0.94570E-06 | 475020.5 | 3746151.7 | 489.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004854 |     | 0 | 0.94570E-06 | 475020.3 | 3746143.2 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004855 |     | 0 | 0.94570E-06 | 475020.2 | 3746134.7 | 489.2 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
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 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 14:59:07

\*\*MODELOPTs: RegDEFAULT CONC PAGE 3  
 ELEV URBAN

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

| INIT.<br>SZ | URBAN<br>SOURCE<br>ID<br>(METERS) | NUMBER<br>EMISSION<br>RATE<br>PART.<br>SCALAR<br>CATS.<br>BY | KnoxBPres                       |          | BASE<br>ELEV.<br>(METERS) | RELEASE<br>HEIGHT<br>(METERS) | INIT.<br>SY<br>(METERS) |               |
|-------------|-----------------------------------|--|---------------------------------|----------|---------------------------|-------------------------------|-------------------------|---------------|
|             |                                   |  | EMISSION<br>RATE<br>(GRAMS/SEC) | VARY     |                           |                               |                         | X<br>(METERS) |
| 1.86        | YES                               | 0  | 0.94570E-06                     | 475020.0 | 3746126.2                 | 489.1                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.94570E-06                     | 475019.9 | 3746117.7                 | 489.4                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.94570E-06                     | 475019.7 | 3746109.2                 | 489.7                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.94570E-06                     | 475019.6 | 3746100.7                 | 490.0                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.94570E-06                     | 475019.4 | 3746092.2                 | 490.0                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.94570E-06                     | 475019.2 | 3746083.7                 | 490.0                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.94570E-06                     | 475019.1 | 3746075.2                 | 490.0                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.94570E-06                     | 475018.9 | 3746066.7                 | 490.0                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.94570E-06                     | 475018.8 | 3746058.2                 | 490.1                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.94570E-06                     | 475018.6 | 3746049.7                 | 490.1                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.94570E-06                     | 475018.4 | 3746041.2                 | 490.1                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.94570E-06                     | 475018.3 | 3746032.7                 | 490.3                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.94570E-06                     | 475018.1 | 3746024.2                 | 490.6                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.94570E-06                     | 475018.0 | 3746015.7                 | 490.9                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.94570E-06                     | 475017.8 | 3746007.2                 | 491.1                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.94570E-06                     | 475017.6 | 3745998.7                 | 491.1                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.11950E-05                     | 475163.7 | 3746225.8                 | 485.0                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.11950E-05                     | 475163.5 | 3746217.3                 | 485.1                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.11950E-05                     | 475163.4 | 3746208.8                 | 484.9                         | 4.00                    | 3.95          |
| 1.86        | YES                               | 0  | 0.11950E-05                     | 475163.2 | 3746200.3                 | 484.7                         | 4.00                    | 3.95          |

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|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004876 |     | 0 | 0.11950E-05 | 475163.1 | 3746191.8 | 484.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004877 |     | 0 | 0.11950E-05 | 475162.9 | 3746183.3 | 484.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004878 |     | 0 | 0.11950E-05 | 475162.7 | 3746174.8 | 484.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004879 |     | 0 | 0.11950E-05 | 475162.6 | 3746166.3 | 485.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004880 |     | 0 | 0.11950E-05 | 475162.4 | 3746157.8 | 485.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004881 |     | 0 | 0.11950E-05 | 475162.3 | 3746149.3 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004882 |     | 0 | 0.11950E-05 | 475162.1 | 3746140.8 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004883 |     | 0 | 0.11950E-05 | 475162.0 | 3746132.3 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004884 |     | 0 | 0.11950E-05 | 475161.8 | 3746123.8 | 485.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004885 |     | 0 | 0.11950E-05 | 475161.6 | 3746115.3 | 485.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004886 |     | 0 | 0.11950E-05 | 475161.5 | 3746106.8 | 486.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004887 |     | 0 | 0.11950E-05 | 475161.3 | 3746098.3 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004888 |     | 0 | 0.11950E-05 | 475161.2 | 3746089.8 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004889 |     | 0 | 0.11950E-05 | 475161.0 | 3746081.3 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004890 |     | 0 | 0.11950E-05 | 475160.8 | 3746072.8 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004891 |     | 0 | 0.11950E-05 | 475160.7 | 3746064.3 | 486.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004892 |     | 0 | 0.11950E-05 | 475160.5 | 3746055.8 | 486.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004893 |     | 0 | 0.11950E-05 | 475160.4 | 3746047.3 | 487.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004894 |     | 0 | 0.11950E-05 | 475160.2 | 3746038.8 | 487.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004895 |     | 0 | 0.11950E-05 | 475160.0 | 3746030.3 | 487.6 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
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 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 14:59:07

\*\*MODELOPTs: RegDEFAULT CONC PAGE 4  
 ELEV URBAN

KnoxBPre

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

| INIT.    | URBAN  | NUMBER EMISSION RATE | EMISSION RATE |           | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------------------|---------------|-----------|----------|----------|----------|----------|
| SOURCE   | SOURCE | EMISSION RATE        | (GRAMS/SEC)   | X         | Y        | ELEV.    | HEIGHT   | SY       |
| SZ       | SCALAR | VARY                 |               | (METERS)  | (METERS) | (METERS) | (METERS) | (METERS) |
| ID       | CATS.  | BY                   |               |           |          |          |          |          |
| (METERS) |        |                      |               |           |          |          |          |          |
| L0004896 | 0      | 0.11950E-05          | 475159.9      | 3746021.8 | 487.7    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004897 | 0      | 0.11950E-05          | 475159.7      | 3746013.3 | 487.9    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004898 | 0      | 0.11950E-05          | 475159.6      | 3746004.8 | 488.0    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004899 | 0      | 0.11950E-05          | 475159.4      | 3745996.3 | 488.0    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004900 | 0      | 0.11950E-05          | 475392.2      | 3746219.5 | 477.6    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004901 | 0      | 0.11950E-05          | 475392.0      | 3746211.0 | 477.6    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004902 | 0      | 0.11950E-05          | 475391.8      | 3746202.5 | 477.6    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004903 | 0      | 0.11950E-05          | 475391.7      | 3746194.0 | 477.6    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004904 | 0      | 0.11950E-05          | 475391.5      | 3746185.5 | 477.6    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004905 | 0      | 0.11950E-05          | 475391.4      | 3746177.0 | 477.5    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004906 | 0      | 0.11950E-05          | 475391.2      | 3746168.5 | 477.4    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004907 | 0      | 0.11950E-05          | 475391.0      | 3746160.1 | 477.3    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004908 | 0      | 0.11950E-05          | 475390.9      | 3746151.6 | 477.3    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004909 | 0      | 0.11950E-05          | 475390.7      | 3746143.1 | 477.3    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004910 | 0      | 0.11950E-05          | 475390.6      | 3746134.6 | 477.3    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004911 | 0      | 0.11950E-05          | 475390.4      | 3746126.1 | 477.4    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004912 | 0      | 0.11950E-05          | 475390.2      | 3746117.6 | 477.5    | 4.00     | 3.95     |          |
| 1.86     | YES    |                      |               |           |          |          |          |          |
| L0004913 | 0      | 0.11950E-05          | 475390.1      | 3746109.1 | 477.6    | 4.00     | 3.95     |          |

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|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004914 |     | 0 | 0.11950E-05 | 475389.9 | 3746100.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004915 |     | 0 | 0.11950E-05 | 475389.8 | 3746092.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004916 |     | 0 | 0.11950E-05 | 475389.6 | 3746083.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004917 |     | 0 | 0.11950E-05 | 475389.5 | 3746075.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004918 |     | 0 | 0.11950E-05 | 475389.3 | 3746066.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004919 |     | 0 | 0.11950E-05 | 475389.1 | 3746058.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004920 |     | 0 | 0.11950E-05 | 475389.0 | 3746049.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004921 |     | 0 | 0.11950E-05 | 475388.8 | 3746041.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004922 |     | 0 | 0.11950E-05 | 475388.7 | 3746032.6 | 478.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004923 |     | 0 | 0.11950E-05 | 475388.5 | 3746024.1 | 478.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004924 |     | 0 | 0.11950E-05 | 475388.3 | 3746015.6 | 478.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004925 |     | 0 | 0.11950E-05 | 475388.2 | 3746007.1 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004926 |     | 0 | 0.11950E-05 | 475388.0 | 3745998.6 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004927 |     | 0 | 0.11950E-05 | 475387.9 | 3745990.1 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004928 |     | 0 | 0.19870E-06 | 474824.8 | 3746232.3 | 496.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004929 |     | 0 | 0.19870E-06 | 474824.6 | 3746223.8 | 497.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004930 |     | 0 | 0.19870E-06 | 474824.5 | 3746215.3 | 497.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004931 |     | 0 | 0.19870E-06 | 474824.3 | 3746206.8 | 497.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004932 |     | 0 | 0.19870E-06 | 474824.1 | 3746198.3 | 497.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004933 |     | 0 | 0.19870E-06 | 474824.0 | 3746189.8 | 497.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004934 |     | 0 | 0.19870E-06 | 474823.8 | 3746181.3 | 498.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004935 |     | 0 | 0.19870E-06 | 474823.7 | 3746172.8 | 498.7 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
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 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*

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\*\*MODELOPTs: RegDEFAULT CONC

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

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE        |           | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------|-------------|-------------|-----------|----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | PART.       | (GRAMS/SEC) | X         | Y        | ELEV.    | HEIGHT   | SY       |
| ID       | SOURCE | SCALAR   | VARY        |             | (METERS)  | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY          |             |           |          |          |          |          |
| L0004936 |        | 0        | 0.19870E-06 | 474823.5    | 3746164.3 | 499.3    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0004937 |        | 0        | 0.19870E-06 | 474823.3    | 3746155.8 | 499.4    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0004938 |        | 0        | 0.19870E-06 | 474823.2    | 3746147.3 | 499.2    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0004939 |        | 0        | 0.19870E-06 | 474823.0    | 3746138.8 | 498.9    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0004940 |        | 0        | 0.19870E-06 | 474822.9    | 3746130.3 | 498.7    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0004941 |        | 0        | 0.19870E-06 | 474822.7    | 3746121.8 | 498.6    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0004942 |        | 0        | 0.19870E-06 | 474822.5    | 3746113.3 | 498.4    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0004943 |        | 0        | 0.19870E-06 | 474822.4    | 3746104.8 | 498.3    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0004944 |        | 0        | 0.19870E-06 | 474822.2    | 3746096.3 | 498.2    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0004945 |        | 0        | 0.19870E-06 | 474822.1    | 3746087.8 | 498.2    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0004946 |        | 0        | 0.19870E-06 | 474821.9    | 3746079.3 | 498.2    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0004947 |        | 0        | 0.19870E-06 | 474821.8    | 3746070.8 | 498.2    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0004948 |        | 0        | 0.19870E-06 | 474821.6    | 3746062.3 | 498.5    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0004949 |        | 0        | 0.19870E-06 | 474821.4    | 3746053.8 | 498.8    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0004950 |        | 0        | 0.19870E-06 | 474821.3    | 3746045.3 | 499.1    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0004951 |        | 0        | 0.19870E-06 | 474821.1    | 3746036.8 | 499.3    | 4.00     | 3.95     |          |

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|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004952 |     | 0 | 0.19870E-06 | 474821.0 | 3746028.3 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004953 |     | 0 | 0.19870E-06 | 474820.8 | 3746019.8 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004954 |     | 0 | 0.19870E-06 | 474820.6 | 3746011.3 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004955 |     | 0 | 0.19870E-06 | 474820.5 | 3746002.8 | 499.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004956 |     | 0 | 0.19870E-06 | 475021.9 | 3746228.2 | 489.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004957 |     | 0 | 0.19870E-06 | 475021.8 | 3746219.7 | 489.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004958 |     | 0 | 0.19870E-06 | 475021.6 | 3746211.2 | 489.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004959 |     | 0 | 0.19870E-06 | 475021.5 | 3746202.7 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004960 |     | 0 | 0.19870E-06 | 475021.3 | 3746194.2 | 489.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004961 |     | 0 | 0.19870E-06 | 475021.1 | 3746185.7 | 489.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004962 |     | 0 | 0.19870E-06 | 475021.0 | 3746177.2 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004963 |     | 0 | 0.19870E-06 | 475020.8 | 3746168.7 | 489.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004964 |     | 0 | 0.19870E-06 | 475020.7 | 3746160.2 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004965 |     | 0 | 0.19870E-06 | 475020.5 | 3746151.7 | 489.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004966 |     | 0 | 0.19870E-06 | 475020.3 | 3746143.2 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004967 |     | 0 | 0.19870E-06 | 475020.2 | 3746134.7 | 489.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004968 |     | 0 | 0.19870E-06 | 475020.0 | 3746126.2 | 489.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004969 |     | 0 | 0.19870E-06 | 475019.9 | 3746117.7 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004970 |     | 0 | 0.19870E-06 | 475019.7 | 3746109.2 | 489.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004971 |     | 0 | 0.19870E-06 | 475019.6 | 3746100.7 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004972 |     | 0 | 0.19870E-06 | 475019.4 | 3746092.2 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004973 |     | 0 | 0.19870E-06 | 475019.2 | 3746083.7 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004974 |     | 0 | 0.19870E-06 | 475019.1 | 3746075.2 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004975 |     | 0 | 0.19870E-06 | 475018.9 | 3746066.7 | 490.0 | 4.00 | 3.95 |

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1.86 YES

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\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*MODELOPTs: RegDFault CONC

ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE |          | BASE      | RELEASE  | INIT.    |
|----------|--------|----------|-------------|------|----------|-----------|----------|----------|
| SZ       | SOURCE | EMISSION | RATE        |      |          | ELEV.     | HEIGHT   | SY       |
| ID       | SOURCE | SCALAR   | VARY        |      | X        | Y         | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY          |      | (METERS) | (METERS)  | (METERS) | (METERS) |
| L0004976 |        | 0        | 0.19870E-06 |      | 475018.8 | 3746058.2 | 490.1    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0004977 |        | 0        | 0.19870E-06 |      | 475018.6 | 3746049.7 | 490.1    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0004978 |        | 0        | 0.19870E-06 |      | 475018.4 | 3746041.2 | 490.1    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0004979 |        | 0        | 0.19870E-06 |      | 475018.3 | 3746032.7 | 490.3    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0004980 |        | 0        | 0.19870E-06 |      | 475018.1 | 3746024.2 | 490.6    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0004981 |        | 0        | 0.19870E-06 |      | 475018.0 | 3746015.7 | 490.9    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0004982 |        | 0        | 0.19870E-06 |      | 475017.8 | 3746007.2 | 491.1    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0004983 |        | 0        | 0.19870E-06 |      | 475017.6 | 3745998.7 | 491.1    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0004984 |        | 0        | 0.25110E-06 |      | 475163.7 | 3746225.8 | 485.0    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0004985 |        | 0        | 0.25110E-06 |      | 475163.5 | 3746217.3 | 485.1    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0004986 |        | 0        | 0.25110E-06 |      | 475163.4 | 3746208.8 | 484.9    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0004987 |        | 0        | 0.25110E-06 |      | 475163.2 | 3746200.3 | 484.7    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0004988 |        | 0        | 0.25110E-06 |      | 475163.1 | 3746191.8 | 484.5    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0004989 |        | 0        | 0.25110E-06 |      | 475162.9 | 3746183.3 | 484.6    | 3.95     |



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|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004990 |     | 0 | 0.25110E-06 | 475162.7 | 3746174.8 | 484.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004991 |     | 0 | 0.25110E-06 | 475162.6 | 3746166.3 | 485.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004992 |     | 0 | 0.25110E-06 | 475162.4 | 3746157.8 | 485.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004993 |     | 0 | 0.25110E-06 | 475162.3 | 3746149.3 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004994 |     | 0 | 0.25110E-06 | 475162.1 | 3746140.8 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004995 |     | 0 | 0.25110E-06 | 475162.0 | 3746132.3 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004996 |     | 0 | 0.25110E-06 | 475161.8 | 3746123.8 | 485.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004997 |     | 0 | 0.25110E-06 | 475161.6 | 3746115.3 | 485.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004998 |     | 0 | 0.25110E-06 | 475161.5 | 3746106.8 | 486.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0004999 |     | 0 | 0.25110E-06 | 475161.3 | 3746098.3 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005000 |     | 0 | 0.25110E-06 | 475161.2 | 3746089.8 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005001 |     | 0 | 0.25110E-06 | 475161.0 | 3746081.3 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005002 |     | 0 | 0.25110E-06 | 475160.8 | 3746072.8 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005003 |     | 0 | 0.25110E-06 | 475160.7 | 3746064.3 | 486.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005004 |     | 0 | 0.25110E-06 | 475160.5 | 3746055.8 | 486.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005005 |     | 0 | 0.25110E-06 | 475160.4 | 3746047.3 | 487.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005006 |     | 0 | 0.25110E-06 | 475160.2 | 3746038.8 | 487.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005007 |     | 0 | 0.25110E-06 | 475160.0 | 3746030.3 | 487.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005008 |     | 0 | 0.25110E-06 | 475159.9 | 3746021.8 | 487.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005009 |     | 0 | 0.25110E-06 | 475159.7 | 3746013.3 | 487.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005010 |     | 0 | 0.25110E-06 | 475159.6 | 3746004.8 | 488.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005011 |     | 0 | 0.25110E-06 | 475159.4 | 3745996.3 | 488.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005012 |     | 0 | 0.25110E-06 | 475392.2 | 3746219.5 | 477.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005013 |     | 0 | 0.25110E-06 | 475392.0 | 3746211.0 | 477.6 | 4.00 | 3.95 |

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1.86 YES  
 L0005014 0 0.25110E-06 475391.8 3746202.5 477.6 4.00 3.95

1.86 YES  
 L0005015 0 0.25110E-06 475391.7 3746194.0 477.6 4.00 3.95

1.86 YES

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 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*MODELOPTs: RegDFault CONC ELEV URBAN

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

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

|          |   |             |          |           |       |      |      |
|----------|---|-------------|----------|-----------|-------|------|------|
| L0005016 | 0 | 0.25110E-06 | 475391.5 | 3746185.5 | 477.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005017 | 0 | 0.25110E-06 | 475391.4 | 3746177.0 | 477.5 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005018 | 0 | 0.25110E-06 | 475391.2 | 3746168.5 | 477.4 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005019 | 0 | 0.25110E-06 | 475391.0 | 3746160.1 | 477.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005020 | 0 | 0.25110E-06 | 475390.9 | 3746151.6 | 477.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005021 | 0 | 0.25110E-06 | 475390.7 | 3746143.1 | 477.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005022 | 0 | 0.25110E-06 | 475390.6 | 3746134.6 | 477.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005023 | 0 | 0.25110E-06 | 475390.4 | 3746126.1 | 477.4 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005024 | 0 | 0.25110E-06 | 475390.2 | 3746117.6 | 477.5 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005025 | 0 | 0.25110E-06 | 475390.1 | 3746109.1 | 477.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005026 | 0 | 0.25110E-06 | 475389.9 | 3746100.6 | 477.7 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005027 | 0 | 0.25110E-06 | 475389.8 | 3746092.1 | 477.7 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005028 |     | 0 | 0.25110E-06 | 475389.6 | 3746083.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005029 |     | 0 | 0.25110E-06 | 475389.5 | 3746075.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005030 |     | 0 | 0.25110E-06 | 475389.3 | 3746066.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005031 |     | 0 | 0.25110E-06 | 475389.1 | 3746058.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005032 |     | 0 | 0.25110E-06 | 475389.0 | 3746049.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005033 |     | 0 | 0.25110E-06 | 475388.8 | 3746041.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005034 |     | 0 | 0.25110E-06 | 475388.7 | 3746032.6 | 478.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005035 |     | 0 | 0.25110E-06 | 475388.5 | 3746024.1 | 478.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005036 |     | 0 | 0.25110E-06 | 475388.3 | 3746015.6 | 478.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005037 |     | 0 | 0.25110E-06 | 475388.2 | 3746007.1 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005038 |     | 0 | 0.25110E-06 | 475388.0 | 3745998.6 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005039 |     | 0 | 0.25110E-06 | 475387.9 | 3745990.1 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005040 |     | 0 | 0.10230E-06 | 474811.0 | 3746318.0 | 498.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005041 |     | 0 | 0.10230E-06 | 474811.0 | 3746326.5 | 498.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005042 |     | 0 | 0.10230E-06 | 474811.0 | 3746335.0 | 498.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005043 |     | 0 | 0.10230E-06 | 474814.9 | 3746339.7 | 498.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005044 |     | 0 | 0.10230E-06 | 474823.4 | 3746339.8 | 498.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005045 |     | 0 | 0.10230E-06 | 474831.9 | 3746339.8 | 497.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005046 |     | 0 | 0.10230E-06 | 474840.4 | 3746339.8 | 497.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005047 |     | 0 | 0.10230E-06 | 474848.9 | 3746339.9 | 496.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005048 |     | 0 | 0.10230E-06 | 474857.4 | 3746339.9 | 496.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005049 |     | 0 | 0.10230E-06 | 474865.9 | 3746340.0 | 496.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005050 |     | 0 | 0.10230E-06 | 474874.4 | 3746340.0 | 495.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005051 |     | 0 | 0.10230E-06 | 474882.9 | 3746340.1 | 495.6 | 4.00 | 3.95 |

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1.86 YES  
 L0005052 0 0.10230E-06 474891.4 3746340.1 495.3 4.00 3.95  
 1.86 YES  
 L0005053 0 0.10230E-06 474899.9 3746340.2 495.0 4.00 3.95  
 1.86 YES  
 L0005054 0 0.10230E-06 474908.4 3746340.2 494.7 4.00 3.95  
 1.86 YES  
 L0005055 0 0.10230E-06 474916.9 3746340.2 494.4 4.00 3.95

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPre\KnoxBPre.isc \*\*\* 10/06/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 14:59:07

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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

-----  
 L0005056 0 0.10230E-06 474925.4 3746340.3 494.1 4.00 3.95  
 1.86 YES  
 L0005057 0 0.10230E-06 474933.9 3746340.3 493.9 4.00 3.95  
 1.86 YES  
 L0005058 0 0.10230E-06 474942.4 3746340.4 493.6 4.00 3.95  
 1.86 YES  
 L0005059 0 0.10230E-06 474950.9 3746340.4 493.3 4.00 3.95  
 1.86 YES  
 L0005060 0 0.10230E-06 474959.4 3746340.5 493.0 4.00 3.95  
 1.86 YES  
 L0005061 0 0.10230E-06 474967.9 3746340.5 492.5 4.00 3.95  
 1.86 YES  
 L0005062 0 0.10230E-06 474976.4 3746340.6 491.9 4.00 3.95  
 1.86 YES  
 L0005063 0 0.10230E-06 474984.9 3746340.6 491.3 4.00 3.95  
 1.86 YES  
 L0005064 0 0.10230E-06 474993.4 3746340.6 490.9 4.00 3.95  
 1.86 YES  
 L0005065 0 0.10230E-06 475001.9 3746340.7 490.6 4.00 3.95

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005066 |     | 0 | 0.10230E-06 | 475010.4 | 3746340.7 | 490.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005067 |     | 0 | 0.10230E-06 | 475018.9 | 3746340.8 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005068 |     | 0 | 0.10230E-06 | 475027.4 | 3746340.8 | 489.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005069 |     | 0 | 0.10230E-06 | 475035.9 | 3746340.9 | 489.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005070 |     | 0 | 0.10230E-06 | 475044.4 | 3746340.9 | 489.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005071 |     | 0 | 0.10230E-06 | 475052.9 | 3746341.0 | 488.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005072 |     | 0 | 0.10230E-06 | 475061.4 | 3746341.0 | 488.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005073 |     | 0 | 0.10230E-06 | 475069.9 | 3746341.0 | 488.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005074 |     | 0 | 0.10230E-06 | 475078.4 | 3746341.1 | 488.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005075 |     | 0 | 0.10230E-06 | 475086.9 | 3746341.1 | 487.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005076 |     | 0 | 0.10230E-06 | 475095.4 | 3746341.2 | 487.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005077 |     | 0 | 0.10230E-06 | 475103.9 | 3746341.2 | 487.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005078 |     | 0 | 0.10230E-06 | 475112.4 | 3746341.3 | 486.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005079 |     | 0 | 0.10230E-06 | 475120.9 | 3746341.3 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005080 |     | 0 | 0.10230E-06 | 475129.4 | 3746341.4 | 485.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005081 |     | 0 | 0.10230E-06 | 475137.9 | 3746341.4 | 485.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005082 |     | 0 | 0.10230E-06 | 475146.4 | 3746341.4 | 484.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005083 |     | 0 | 0.10230E-06 | 475154.9 | 3746341.5 | 484.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005084 |     | 0 | 0.10230E-06 | 475163.4 | 3746341.5 | 484.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005085 |     | 0 | 0.10230E-06 | 475171.9 | 3746341.6 | 483.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005086 |     | 0 | 0.10230E-06 | 475180.4 | 3746341.6 | 483.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005087 |     | 0 | 0.10230E-06 | 475188.9 | 3746341.7 | 483.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005088 |     | 0 | 0.10230E-06 | 475197.4 | 3746341.7 | 483.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005089 |     | 0 | 0.10230E-06 | 475205.9 | 3746341.7 | 482.8 | 4.00 | 3.95 |

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|      |     |          |   |             |          |           |       |      |      |
|------|-----|----------|---|-------------|----------|-----------|-------|------|------|
| 1.86 | YES | L0005090 | 0 | 0.10230E-06 | 475214.4 | 3746341.8 | 482.5 | 4.00 | 3.95 |
| 1.86 | YES | L0005091 | 0 | 0.10230E-06 | 475222.9 | 3746341.8 | 482.2 | 4.00 | 3.95 |
| 1.86 | YES | L0005092 | 0 | 0.10230E-06 | 475231.4 | 3746341.9 | 481.9 | 4.00 | 3.95 |
| 1.86 | YES | L0005093 | 0 | 0.10230E-06 | 475239.9 | 3746341.9 | 481.7 | 4.00 | 3.95 |
| 1.86 | YES | L0005094 | 0 | 0.10230E-06 | 475248.4 | 3746342.0 | 481.4 | 4.00 | 3.95 |
| 1.86 | YES | L0005095 | 0 | 0.10230E-06 | 475256.9 | 3746342.0 | 481.1 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPre\KnoxBPre.isc \*\*\* 10/06/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 14:59:07

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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION | RATE        |          | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------|----------|-------------|----------|----------|----------|----------|----------|
| SOURCE   | SOURCE | EMISSION | PART.    | (GRAMS/SEC) | X        | Y        | ELEV.    | HEIGHT   | SY       |
| SZ       | ID     | SCALAR   | VARY     |             | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY       |             |          |          |          |          |          |

|          |     |             |          |             |          |           |       |      |      |
|----------|-----|-------------|----------|-------------|----------|-----------|-------|------|------|
| L0005096 | 0   | 0.10230E-06 | 475265.4 | 3746342.1   | 480.8    | 4.00      | 3.95  |      |      |
| 1.86     | YES | L0005097    | 0        | 0.10230E-06 | 475273.9 | 3746342.1 | 480.5 | 4.00 | 3.95 |
| 1.86     | YES | L0005098    | 0        | 0.10230E-06 | 475282.4 | 3746342.1 | 480.2 | 4.00 | 3.95 |
| 1.86     | YES | L0005099    | 0        | 0.10230E-06 | 475290.9 | 3746342.2 | 479.9 | 4.00 | 3.95 |
| 1.86     | YES | L0005100    | 0        | 0.10230E-06 | 475299.4 | 3746342.2 | 479.3 | 4.00 | 3.95 |
| 1.86     | YES | L0005101    | 0        | 0.10230E-06 | 475307.9 | 3746342.3 | 478.8 | 4.00 | 3.95 |
| 1.86     | YES | L0005102    | 0        | 0.10230E-06 | 475316.4 | 3746342.3 | 478.2 | 4.00 | 3.95 |
| 1.86     | YES | L0005103    | 0        | 0.10230E-06 | 475324.9 | 3746342.4 | 477.7 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005104 |     | 0 | 0.10230E-06 | 475333.4 | 3746342.4 | 477.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005105 |     | 0 | 0.10230E-06 | 475341.9 | 3746342.5 | 476.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005106 |     | 0 | 0.10230E-06 | 475350.4 | 3746342.5 | 476.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005107 |     | 0 | 0.10230E-06 | 475358.9 | 3746342.5 | 476.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005108 |     | 0 | 0.10230E-06 | 475367.4 | 3746342.6 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005109 |     | 0 | 0.10230E-06 | 475375.9 | 3746342.6 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005110 |     | 0 | 0.10230E-06 | 475384.4 | 3746342.7 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005111 |     | 0 | 0.10230E-06 | 475392.9 | 3746342.7 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005112 |     | 0 | 0.10230E-06 | 475401.4 | 3746342.8 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005113 |     | 0 | 0.10230E-06 | 475409.9 | 3746342.8 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005114 |     | 0 | 0.10230E-06 | 475418.4 | 3746342.9 | 475.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005115 |     | 0 | 0.10230E-06 | 475426.9 | 3746342.9 | 475.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005116 |     | 0 | 0.10230E-06 | 475435.4 | 3746342.9 | 475.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005117 |     | 0 | 0.10230E-06 | 475443.9 | 3746343.0 | 474.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005118 |     | 0 | 0.10230E-06 | 475452.4 | 3746343.0 | 474.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005119 |     | 0 | 0.10230E-06 | 475460.9 | 3746343.1 | 474.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005120 |     | 0 | 0.10230E-06 | 475469.4 | 3746343.1 | 474.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005121 |     | 0 | 0.10230E-06 | 475477.9 | 3746343.2 | 474.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005122 |     | 0 | 0.10230E-06 | 475486.4 | 3746343.2 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005123 |     | 0 | 0.10230E-06 | 475494.9 | 3746343.3 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005124 |     | 0 | 0.10230E-06 | 475503.4 | 3746343.3 | 473.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005125 |     | 0 | 0.10230E-06 | 475511.9 | 3746343.3 | 473.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005126 |     | 0 | 0.10230E-06 | 475520.4 | 3746343.4 | 473.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005127 |     | 0 | 0.10230E-06 | 475528.9 | 3746343.4 | 473.0 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005128 |     | 0 | 0.10230E-06 | 475537.4 | 3746343.5 | 472.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005129 |     | 0 | 0.10230E-06 | 475545.9 | 3746343.5 | 472.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005130 |     | 0 | 0.10230E-06 | 475554.4 | 3746343.6 | 472.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005131 |     | 0 | 0.10230E-06 | 475562.9 | 3746343.6 | 472.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005132 |     | 0 | 0.10230E-06 | 475571.4 | 3746343.6 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005133 |     | 0 | 0.10230E-06 | 475579.9 | 3746343.7 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005134 |     | 0 | 0.10230E-06 | 475588.4 | 3746343.7 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005135 |     | 0 | 0.10230E-06 | 475596.9 | 3746343.8 | 471.7 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPre\KnoxBPre.isc \*\*\* 10/06/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 14:59:07

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\*\*MODELOPTs: RegDFault CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION | RATE        |          | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------|----------|-------------|----------|----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | PART.    | (GRAMS/SEC) | X        | Y        | ELEV.    | HEIGHT   | SY       |
| ID       | SOURCE | SCALAR   | VARY     |             | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY       |             |          |          |          |          |          |

|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| L0005136 |     | 0 | 0.10230E-06 | 475605.4 | 3746343.8 | 471.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005137 |     | 0 | 0.10230E-06 | 475613.9 | 3746343.9 | 471.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005138 |     | 0 | 0.10230E-06 | 475622.4 | 3746343.9 | 470.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005139 |     | 0 | 0.10230E-06 | 475630.9 | 3746344.0 | 470.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005140 |     | 0 | 0.10230E-06 | 475639.4 | 3746344.0 | 470.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005141 |     | 0 | 0.10230E-06 | 475647.9 | 3746344.0 | 470.1 | 4.00 | 3.95 |



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|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005142 |     | 0 | 0.10230E-06 | 475656.4 | 3746344.1 | 469.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005143 |     | 0 | 0.10230E-06 | 475664.9 | 3746344.1 | 469.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005144 |     | 0 | 0.10230E-06 | 475673.4 | 3746344.2 | 469.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005145 |     | 0 | 0.10230E-06 | 475681.9 | 3746344.2 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005146 |     | 0 | 0.10230E-06 | 475690.4 | 3746344.3 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005147 |     | 0 | 0.10230E-06 | 475698.9 | 3746344.3 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005148 |     | 0 | 0.10230E-06 | 475707.4 | 3746344.4 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005149 |     | 0 | 0.10230E-06 | 475715.9 | 3746344.4 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005150 |     | 0 | 0.10230E-06 | 475724.4 | 3746344.4 | 468.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005151 |     | 0 | 0.10230E-06 | 475732.9 | 3746344.5 | 468.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005152 |     | 0 | 0.10230E-06 | 475741.4 | 3746344.5 | 468.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005153 |     | 0 | 0.10230E-06 | 475749.9 | 3746344.6 | 468.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005154 |     | 0 | 0.10230E-06 | 475758.4 | 3746344.6 | 468.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005155 |     | 0 | 0.10230E-06 | 475766.9 | 3746344.7 | 468.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005156 |     | 0 | 0.10230E-06 | 475775.4 | 3746344.7 | 467.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005157 |     | 0 | 0.10230E-06 | 475783.9 | 3746344.8 | 467.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005158 |     | 0 | 0.10230E-06 | 475792.4 | 3746344.8 | 467.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005159 |     | 0 | 0.10230E-06 | 475800.9 | 3746344.8 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005160 |     | 0 | 0.10230E-06 | 475809.4 | 3746344.9 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005161 |     | 0 | 0.10230E-06 | 475817.9 | 3746344.9 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005162 |     | 0 | 0.10230E-06 | 475826.4 | 3746345.0 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005163 |     | 0 | 0.10230E-06 | 475834.9 | 3746345.0 | 466.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005164 |     | 0 | 0.10230E-06 | 475843.4 | 3746345.1 | 466.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005165 |     | 0 | 0.10230E-06 | 475851.9 | 3746345.1 | 466.3 | 4.00 | 3.95 |

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|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005166 |     | 0 | 0.10230E-06 | 475860.4 | 3746345.2 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005167 |     | 0 | 0.10230E-06 | 475868.9 | 3746345.2 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005168 |     | 0 | 0.10230E-06 | 475877.4 | 3746345.2 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005169 |     | 0 | 0.10230E-06 | 475885.9 | 3746345.3 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005170 |     | 0 | 0.10230E-06 | 475894.4 | 3746345.3 | 465.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005171 |     | 0 | 0.10240E-06 | 475031.9 | 3746316.9 | 489.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005172 |     | 0 | 0.10240E-06 | 475031.9 | 3746325.4 | 489.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005173 |     | 0 | 0.10240E-06 | 475031.9 | 3746333.9 | 489.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005174 |     | 0 | 0.10240E-06 | 475033.9 | 3746340.4 | 489.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005175 |     | 0 | 0.10240E-06 | 475042.4 | 3746340.4 | 489.2 | 4.00 | 3.95 |

1.86 YES  
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 \*\*\* AERMET - VERSION 14134 \*\*\*  
 \*\*\* 14:59:07

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\*\*MODELOPTs: RegDFault CONC ELEV URBAN

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

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

|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| L0005176 |     | 0 | 0.10240E-06 | 475050.9 | 3746340.5 | 489.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005177 |     | 0 | 0.10240E-06 | 475059.4 | 3746340.6 | 488.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005178 |     | 0 | 0.10240E-06 | 475067.9 | 3746340.6 | 488.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005179 |     | 0 | 0.10240E-06 | 475076.4 | 3746340.7 | 488.1 | 4.00 | 3.95 |

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|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005180 |     | 0 | 0.10240E-06 | 475084.9 | 3746340.7 | 487.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005181 |     | 0 | 0.10240E-06 | 475093.4 | 3746340.8 | 487.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005182 |     | 0 | 0.10240E-06 | 475101.9 | 3746340.9 | 487.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005183 |     | 0 | 0.10240E-06 | 475110.4 | 3746340.9 | 487.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005184 |     | 0 | 0.10240E-06 | 475118.9 | 3746341.0 | 486.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005185 |     | 0 | 0.10240E-06 | 475127.4 | 3746341.0 | 485.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005186 |     | 0 | 0.10240E-06 | 475135.9 | 3746341.1 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005187 |     | 0 | 0.10240E-06 | 475144.4 | 3746341.1 | 484.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005188 |     | 0 | 0.10240E-06 | 475152.9 | 3746341.2 | 484.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005189 |     | 0 | 0.10240E-06 | 475161.4 | 3746341.3 | 484.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005190 |     | 0 | 0.10240E-06 | 475169.9 | 3746341.3 | 484.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005191 |     | 0 | 0.10240E-06 | 475178.4 | 3746341.4 | 483.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005192 |     | 0 | 0.10240E-06 | 475186.9 | 3746341.4 | 483.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005193 |     | 0 | 0.10240E-06 | 475195.4 | 3746341.5 | 483.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005194 |     | 0 | 0.10240E-06 | 475203.9 | 3746341.6 | 482.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005195 |     | 0 | 0.10240E-06 | 475212.4 | 3746341.6 | 482.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005196 |     | 0 | 0.10240E-06 | 475220.9 | 3746341.7 | 482.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005197 |     | 0 | 0.10240E-06 | 475229.4 | 3746341.7 | 482.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005198 |     | 0 | 0.10240E-06 | 475237.9 | 3746341.8 | 481.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005199 |     | 0 | 0.10240E-06 | 475246.4 | 3746341.9 | 481.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005200 |     | 0 | 0.10240E-06 | 475254.9 | 3746341.9 | 481.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005201 |     | 0 | 0.10240E-06 | 475263.4 | 3746342.0 | 480.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005202 |     | 0 | 0.10240E-06 | 475271.9 | 3746342.0 | 480.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005203 |     | 0 | 0.10240E-06 | 475280.4 | 3746342.1 | 480.3 | 4.00 | 3.95 |

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|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005204 |     | 0 | 0.10240E-06 | 475288.9 | 3746342.1 | 480.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005205 |     | 0 | 0.10240E-06 | 475297.4 | 3746342.2 | 479.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005206 |     | 0 | 0.10240E-06 | 475305.9 | 3746342.3 | 478.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005207 |     | 0 | 0.10240E-06 | 475314.4 | 3746342.3 | 478.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005208 |     | 0 | 0.10240E-06 | 475322.9 | 3746342.4 | 477.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005209 |     | 0 | 0.10240E-06 | 475331.4 | 3746342.4 | 477.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005210 |     | 0 | 0.10240E-06 | 475339.9 | 3746342.5 | 476.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005211 |     | 0 | 0.10240E-06 | 475348.4 | 3746342.6 | 476.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005212 |     | 0 | 0.10240E-06 | 475356.9 | 3746342.6 | 476.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005213 |     | 0 | 0.10240E-06 | 475365.4 | 3746342.7 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005214 |     | 0 | 0.10240E-06 | 475373.9 | 3746342.7 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005215 |     | 0 | 0.10240E-06 | 475382.4 | 3746342.8 | 475.9 | 4.00 | 3.95 |

1.86 YES  
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 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 14:59:07

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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE     |           | BASE     | RELEASE  | INIT.    |
|----------|--------|----------|-------------|----------|-----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | RATE        |          |           | ELEV.    | HEIGHT   | SY       |
| ID       |        | SCALAR   | VARY        |          | X         | Y        |          |          |
| (METERS) |        | CATS.    | BY          |          | (METERS)  | (METERS) | (METERS) | (METERS) |
| L0005216 |        | 0        | 0.10240E-06 | 475390.9 | 3746342.9 | 475.9    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0005217 |        | 0        | 0.10240E-06 | 475399.4 | 3746342.9 | 475.9    | 4.00     | 3.95     |

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|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005218 |     | 0 | 0.10240E-06 | 475407.9 | 3746343.0 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005219 |     | 0 | 0.10240E-06 | 475416.4 | 3746343.0 | 475.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005220 |     | 0 | 0.10240E-06 | 475424.9 | 3746343.1 | 475.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005221 |     | 0 | 0.10240E-06 | 475433.4 | 3746343.1 | 475.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005222 |     | 0 | 0.10240E-06 | 475441.9 | 3746343.2 | 474.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005223 |     | 0 | 0.10240E-06 | 475450.4 | 3746343.3 | 474.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005224 |     | 0 | 0.10240E-06 | 475458.9 | 3746343.3 | 474.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005225 |     | 0 | 0.10240E-06 | 475467.4 | 3746343.4 | 474.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005226 |     | 0 | 0.10240E-06 | 475475.9 | 3746343.4 | 474.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005227 |     | 0 | 0.10240E-06 | 475484.4 | 3746343.5 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005228 |     | 0 | 0.10240E-06 | 475492.9 | 3746343.6 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005229 |     | 0 | 0.10240E-06 | 475501.4 | 3746343.6 | 473.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005230 |     | 0 | 0.10240E-06 | 475509.9 | 3746343.7 | 473.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005231 |     | 0 | 0.10240E-06 | 475518.4 | 3746343.7 | 473.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005232 |     | 0 | 0.10240E-06 | 475526.9 | 3746343.8 | 473.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005233 |     | 0 | 0.10240E-06 | 475535.4 | 3746343.8 | 472.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005234 |     | 0 | 0.10240E-06 | 475543.9 | 3746343.9 | 472.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005235 |     | 0 | 0.10240E-06 | 475552.4 | 3746344.0 | 472.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005236 |     | 0 | 0.10240E-06 | 475560.9 | 3746344.0 | 472.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005237 |     | 0 | 0.10240E-06 | 475569.4 | 3746344.1 | 472.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005238 |     | 0 | 0.10240E-06 | 475577.9 | 3746344.1 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005239 |     | 0 | 0.10240E-06 | 475586.4 | 3746344.2 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005240 |     | 0 | 0.10240E-06 | 475594.9 | 3746344.3 | 471.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005241 |     | 0 | 0.10240E-06 | 475603.4 | 3746344.3 | 471.4 | 4.00 | 3.95 |

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|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005242 |     | 0 | 0.10240E-06 | 475611.9 | 3746344.4 | 471.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005243 |     | 0 | 0.10240E-06 | 475620.4 | 3746344.4 | 470.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005244 |     | 0 | 0.10240E-06 | 475628.9 | 3746344.5 | 470.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005245 |     | 0 | 0.10240E-06 | 475637.4 | 3746344.6 | 470.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005246 |     | 0 | 0.10240E-06 | 475645.9 | 3746344.6 | 470.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005247 |     | 0 | 0.10240E-06 | 475654.4 | 3746344.7 | 469.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005248 |     | 0 | 0.10240E-06 | 475662.9 | 3746344.7 | 469.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005249 |     | 0 | 0.10240E-06 | 475671.4 | 3746344.8 | 469.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005250 |     | 0 | 0.10240E-06 | 475679.9 | 3746344.8 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005251 |     | 0 | 0.10240E-06 | 475688.4 | 3746344.9 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005252 |     | 0 | 0.10240E-06 | 475696.9 | 3746345.0 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005253 |     | 0 | 0.10240E-06 | 475705.4 | 3746345.0 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005254 |     | 0 | 0.10240E-06 | 475713.9 | 3746345.1 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005255 |     | 0 | 0.10240E-06 | 475722.4 | 3746345.1 | 468.9 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPre\KnoxBPre.isc \*\*\* 10/06/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 14:59:07

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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION | RATE        |          | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------|----------|-------------|----------|----------|----------|----------|----------|
| SOURCE   | SOURCE | EMISSION | PART.    | (GRAMS/SEC) | X        | Y        | ELEV.    | HEIGHT   | SY       |
| SZ       | ID     | SCALAR   | VARY     |             |          |          | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY       |             | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |

KnoxBPreS

|          |   |             |          |           |       |      |      |
|----------|---|-------------|----------|-----------|-------|------|------|
| L0005256 | 0 | 0.10240E-06 | 475730.9 | 3746345.2 | 468.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005257 | 0 | 0.10240E-06 | 475739.4 | 3746345.3 | 468.8 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005258 | 0 | 0.10240E-06 | 475747.9 | 3746345.3 | 468.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005259 | 0 | 0.10240E-06 | 475756.4 | 3746345.4 | 468.4 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005260 | 0 | 0.10240E-06 | 475764.9 | 3746345.4 | 468.1 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005261 | 0 | 0.10240E-06 | 475773.4 | 3746345.5 | 467.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005262 | 0 | 0.10240E-06 | 475781.9 | 3746345.6 | 467.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005263 | 0 | 0.10240E-06 | 475790.4 | 3746345.6 | 467.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005264 | 0 | 0.10240E-06 | 475798.9 | 3746345.7 | 467.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005265 | 0 | 0.10240E-06 | 475807.4 | 3746345.7 | 467.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005266 | 0 | 0.10240E-06 | 475815.9 | 3746345.8 | 467.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005267 | 0 | 0.10240E-06 | 475824.4 | 3746345.8 | 467.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005268 | 0 | 0.10240E-06 | 475832.9 | 3746345.9 | 466.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005269 | 0 | 0.10240E-06 | 475841.4 | 3746346.0 | 466.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005270 | 0 | 0.10240E-06 | 475849.9 | 3746346.0 | 466.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005271 | 0 | 0.10240E-06 | 475858.4 | 3746346.1 | 466.1 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005272 | 0 | 0.10240E-06 | 475866.9 | 3746346.1 | 466.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005273 | 0 | 0.10240E-06 | 475875.4 | 3746346.2 | 466.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005274 | 0 | 0.10240E-06 | 475883.9 | 3746346.3 | 466.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005275 | 0 | 0.10240E-06 | 475892.4 | 3746346.3 | 465.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005276 | 0 | 0.10240E-06 | 475900.9 | 3746346.4 | 465.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005277 | 0 | 0.12970E-06 | 475148.1 | 3746311.6 | 485.4 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005278 | 0 | 0.12970E-06 | 475148.1 | 3746320.1 | 485.2 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005279 | 0 | 0.12970E-06 | 475148.1 | 3746328.6 | 485.0 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005280 |     | 0 | 0.12970E-06 | 475148.1 | 3746337.1 | 484.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005281 |     | 0 | 0.12970E-06 | 475151.7 | 3746342.1 | 484.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005282 |     | 0 | 0.12970E-06 | 475160.2 | 3746342.1 | 484.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005283 |     | 0 | 0.12970E-06 | 475168.7 | 3746342.2 | 484.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005284 |     | 0 | 0.12970E-06 | 475177.2 | 3746342.3 | 483.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005285 |     | 0 | 0.12970E-06 | 475185.7 | 3746342.4 | 483.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005286 |     | 0 | 0.12970E-06 | 475194.2 | 3746342.5 | 483.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005287 |     | 0 | 0.12970E-06 | 475202.7 | 3746342.6 | 482.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005288 |     | 0 | 0.12970E-06 | 475211.2 | 3746342.6 | 482.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005289 |     | 0 | 0.12970E-06 | 475219.7 | 3746342.7 | 482.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005290 |     | 0 | 0.12970E-06 | 475228.2 | 3746342.8 | 482.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005291 |     | 0 | 0.12970E-06 | 475236.7 | 3746342.9 | 481.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005292 |     | 0 | 0.12970E-06 | 475245.2 | 3746343.0 | 481.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005293 |     | 0 | 0.12970E-06 | 475253.7 | 3746343.1 | 481.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005294 |     | 0 | 0.12970E-06 | 475262.2 | 3746343.2 | 480.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005295 |     | 0 | 0.12970E-06 | 475270.7 | 3746343.2 | 480.6 | 4.00 | 3.95 |

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 \*\*\* 14:59:07

\*\*MODELOPTs: RegDFault CONC PAGE 14  
 ELEV URBAN

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

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



| ID<br>(METERS)       | CATS.<br>BY | KnoxBPre    |          |           |          |          |      |
|----------------------|-------------|-------------|----------|-----------|----------|----------|------|
|                      |             | (METERS)    | (METERS) | (METERS)  | (METERS) | (METERS) |      |
| L0005296<br>1.86 YES | 0           | 0.12970E-06 | 475279.2 | 3746343.3 | 480.3    | 4.00     | 3.95 |
| L0005297<br>1.86 YES | 0           | 0.12970E-06 | 475287.7 | 3746343.4 | 480.0    | 4.00     | 3.95 |
| L0005298<br>1.86 YES | 0           | 0.12970E-06 | 475296.2 | 3746343.5 | 479.5    | 4.00     | 3.95 |
| L0005299<br>1.86 YES | 0           | 0.12970E-06 | 475304.7 | 3746343.6 | 479.0    | 4.00     | 3.95 |
| L0005300<br>1.86 YES | 0           | 0.12970E-06 | 475313.2 | 3746343.7 | 478.4    | 4.00     | 3.95 |
| L0005301<br>1.86 YES | 0           | 0.12970E-06 | 475321.7 | 3746343.8 | 477.9    | 4.00     | 3.95 |
| L0005302<br>1.86 YES | 0           | 0.12970E-06 | 475330.2 | 3746343.8 | 477.3    | 4.00     | 3.95 |
| L0005303<br>1.86 YES | 0           | 0.12970E-06 | 475338.7 | 3746343.9 | 476.8    | 4.00     | 3.95 |
| L0005304<br>1.86 YES | 0           | 0.12970E-06 | 475347.2 | 3746344.0 | 476.2    | 4.00     | 3.95 |
| L0005305<br>1.86 YES | 0           | 0.12970E-06 | 475355.7 | 3746344.1 | 476.0    | 4.00     | 3.95 |
| L0005306<br>1.86 YES | 0           | 0.12970E-06 | 475364.2 | 3746344.2 | 475.9    | 4.00     | 3.95 |
| L0005307<br>1.86 YES | 0           | 0.12970E-06 | 475372.7 | 3746344.3 | 475.9    | 4.00     | 3.95 |
| L0005308<br>1.86 YES | 0           | 0.12970E-06 | 475381.2 | 3746344.3 | 475.9    | 4.00     | 3.95 |
| L0005309<br>1.86 YES | 0           | 0.12970E-06 | 475389.7 | 3746344.4 | 475.9    | 4.00     | 3.95 |
| L0005310<br>1.86 YES | 0           | 0.12970E-06 | 475398.2 | 3746344.5 | 475.9    | 4.00     | 3.95 |
| L0005311<br>1.86 YES | 0           | 0.12970E-06 | 475406.7 | 3746344.6 | 475.9    | 4.00     | 3.95 |
| L0005312<br>1.86 YES | 0           | 0.12970E-06 | 475415.2 | 3746344.7 | 475.7    | 4.00     | 3.95 |
| L0005313<br>1.86 YES | 0           | 0.12970E-06 | 475423.7 | 3746344.8 | 475.5    | 4.00     | 3.95 |
| L0005314<br>1.86 YES | 0           | 0.12970E-06 | 475432.2 | 3746344.9 | 475.2    | 4.00     | 3.95 |
| L0005315<br>1.86 YES | 0           | 0.12970E-06 | 475440.7 | 3746344.9 | 475.0    | 4.00     | 3.95 |
| L0005316<br>1.86 YES | 0           | 0.12970E-06 | 475449.2 | 3746345.0 | 474.7    | 4.00     | 3.95 |
| L0005317             | 0           | 0.12970E-06 | 475457.7 | 3746345.1 | 474.4    | 4.00     | 3.95 |

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|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005318 |     | 0 | 0.12970E-06 | 475466.2 | 3746345.2 | 474.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005319 |     | 0 | 0.12970E-06 | 475474.7 | 3746345.3 | 474.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005320 |     | 0 | 0.12970E-06 | 475483.2 | 3746345.4 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005321 |     | 0 | 0.12970E-06 | 475491.7 | 3746345.4 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005322 |     | 0 | 0.12970E-06 | 475500.2 | 3746345.5 | 473.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005323 |     | 0 | 0.12970E-06 | 475508.7 | 3746345.6 | 473.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005324 |     | 0 | 0.12970E-06 | 475517.2 | 3746345.7 | 473.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005325 |     | 0 | 0.12970E-06 | 475525.7 | 3746345.8 | 473.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005326 |     | 0 | 0.12970E-06 | 475534.2 | 3746345.9 | 472.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005327 |     | 0 | 0.12970E-06 | 475542.7 | 3746346.0 | 472.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005328 |     | 0 | 0.12970E-06 | 475551.2 | 3746346.0 | 472.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005329 |     | 0 | 0.12970E-06 | 475559.7 | 3746346.1 | 472.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005330 |     | 0 | 0.12970E-06 | 475568.1 | 3746346.2 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005331 |     | 0 | 0.12970E-06 | 475576.6 | 3746346.3 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005332 |     | 0 | 0.12970E-06 | 475585.1 | 3746346.4 | 471.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005333 |     | 0 | 0.12970E-06 | 475593.6 | 3746346.5 | 471.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005334 |     | 0 | 0.12970E-06 | 475602.1 | 3746346.5 | 471.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005335 |     | 0 | 0.12970E-06 | 475610.6 | 3746346.6 | 471.1 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
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 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 14:59:07

\*\*MODELOPTs: RegDEFAULT CONC PAGE 15  
 ELEV URBAN

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

| INIT.<br>SZ | URBAN<br>SOURCE<br>ID<br>(METERS) | NUMBER<br>EMISSION<br>RATE<br>PART.<br>SCALAR<br>CATS.<br>BY | KnoxBPres                       |                                | BASE<br>ELEV.<br>(METERS) | RELEASE<br>HEIGHT<br>(METERS) | INIT.<br>SY<br>(METERS) |      |
|-------------|-----------------------------------|--|---------------------------------|--------------------------------|---------------------------|-------------------------------|-------------------------|------|
|             |                                   |  | EMISSION<br>RATE<br>(GRAMS/SEC) | X<br>Y<br>(METERS)<br>(METERS) |                           |                               |                         |      |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475619.1                       | 3746346.7                 | 470.8                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475627.6                       | 3746346.8                 | 470.6                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475636.1                       | 3746346.9                 | 470.4                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475644.6                       | 3746347.0                 | 470.1                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475653.1                       | 3746347.1                 | 469.9                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475661.6                       | 3746347.1                 | 469.6                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475670.1                       | 3746347.2                 | 469.3                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475678.6                       | 3746347.3                 | 469.1                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475687.1                       | 3746347.4                 | 469.0                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475695.6                       | 3746347.5                 | 469.0                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475704.1                       | 3746347.6                 | 469.0                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475712.6                       | 3746347.7                 | 469.0                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475721.1                       | 3746347.7                 | 468.9                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475729.6                       | 3746347.8                 | 468.8                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475738.1                       | 3746347.9                 | 468.8                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475746.6                       | 3746348.0                 | 468.6                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475755.1                       | 3746348.1                 | 468.4                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475763.6                       | 3746348.2                 | 468.2                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475772.1                       | 3746348.2                 | 467.9                         | 4.00                    | 3.95 |
| 1.86        | YES                               | 0  | 0.12970E-06                     | 475780.6                       | 3746348.3                 | 467.7                         | 4.00                    | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005356 |     | 0 | 0.12970E-06 | 475789.1 | 3746348.4 | 467.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005357 |     | 0 | 0.12970E-06 | 475797.6 | 3746348.5 | 467.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005358 |     | 0 | 0.12970E-06 | 475806.1 | 3746348.6 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005359 |     | 0 | 0.12970E-06 | 475814.6 | 3746348.7 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005360 |     | 0 | 0.12970E-06 | 475823.1 | 3746348.8 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005361 |     | 0 | 0.12970E-06 | 475831.6 | 3746348.8 | 466.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005362 |     | 0 | 0.12970E-06 | 475840.1 | 3746348.9 | 466.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005363 |     | 0 | 0.12970E-06 | 475848.6 | 3746349.0 | 466.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005364 |     | 0 | 0.12970E-06 | 475857.1 | 3746349.1 | 466.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005365 |     | 0 | 0.12970E-06 | 475865.6 | 3746349.2 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005366 |     | 0 | 0.12970E-06 | 475874.1 | 3746349.3 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005367 |     | 0 | 0.12970E-06 | 475882.6 | 3746349.3 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005368 |     | 0 | 0.12970E-06 | 475891.1 | 3746349.4 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005369 |     | 0 | 0.12970E-06 | 475899.6 | 3746349.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005370 |     | 0 | 0.12990E-06 | 475441.0 | 3746308.3 | 475.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005371 |     | 0 | 0.12990E-06 | 475441.0 | 3746316.8 | 475.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005372 |     | 0 | 0.12990E-06 | 475441.0 | 3746325.3 | 475.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005373 |     | 0 | 0.12990E-06 | 475441.0 | 3746333.8 | 475.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005374 |     | 0 | 0.12990E-06 | 475441.0 | 3746342.3 | 475.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005375 |     | 0 | 0.12990E-06 | 475446.7 | 3746345.2 | 474.8 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
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 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

KnoxBPre

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

| INIT.    | URBAN  | NUMBER      | EMISSION | RATE        |          | BASE     | RELEASE  | INIT.    |          |
|----------|--------|-------------|----------|-------------|----------|----------|----------|----------|----------|
| SOURCE   | SOURCE | EMISSION    | RATE     | (GRAMS/SEC) | X        | Y        | ELEV.    | HEIGHT   | SY       |
| SZ       | SCALAR | VARY        |          |             | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
| ID       | CATS.  | BY          |          |             |          |          |          |          |          |
| (METERS) |        |             |          |             |          |          |          |          |          |
| L0005376 | 0      | 0.12990E-06 | 475455.2 | 3746345.4   | 474.5    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005377 | 0      | 0.12990E-06 | 475463.7 | 3746345.5   | 474.2    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005378 | 0      | 0.12990E-06 | 475472.2 | 3746345.7   | 474.0    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005379 | 0      | 0.12990E-06 | 475480.7 | 3746345.9   | 473.9    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005380 | 0      | 0.12990E-06 | 475489.2 | 3746346.0   | 473.9    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005381 | 0      | 0.12990E-06 | 475497.7 | 3746346.2   | 473.8    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005382 | 0      | 0.12990E-06 | 475506.2 | 3746346.3   | 473.6    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005383 | 0      | 0.12990E-06 | 475514.7 | 3746346.5   | 473.4    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005384 | 0      | 0.12990E-06 | 475523.2 | 3746346.7   | 473.2    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005385 | 0      | 0.12990E-06 | 475531.7 | 3746346.8   | 472.9    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005386 | 0      | 0.12990E-06 | 475540.2 | 3746347.0   | 472.7    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005387 | 0      | 0.12990E-06 | 475548.7 | 3746347.2   | 472.4    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005388 | 0      | 0.12990E-06 | 475557.2 | 3746347.3   | 472.1    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005389 | 0      | 0.12990E-06 | 475565.7 | 3746347.5   | 471.9    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005390 | 0      | 0.12990E-06 | 475574.2 | 3746347.6   | 471.9    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005391 | 0      | 0.12990E-06 | 475582.7 | 3746347.8   | 471.8    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005392 | 0      | 0.12990E-06 | 475591.2 | 3746348.0   | 471.7    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005393 | 0      | 0.12990E-06 | 475599.7 | 3746348.1   | 471.4    | 4.00     | 3.95     |          |          |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005394 |     | 0 | 0.12990E-06 | 475608.2 | 3746348.3 | 471.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005395 |     | 0 | 0.12990E-06 | 475616.7 | 3746348.4 | 470.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005396 |     | 0 | 0.12990E-06 | 475625.2 | 3746348.6 | 470.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005397 |     | 0 | 0.12990E-06 | 475633.7 | 3746348.8 | 470.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005398 |     | 0 | 0.12990E-06 | 475642.2 | 3746348.9 | 470.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005399 |     | 0 | 0.12990E-06 | 475650.7 | 3746349.1 | 470.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005400 |     | 0 | 0.12990E-06 | 475659.2 | 3746349.3 | 469.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005401 |     | 0 | 0.12990E-06 | 475667.7 | 3746349.4 | 469.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005402 |     | 0 | 0.12990E-06 | 475676.2 | 3746349.6 | 469.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005403 |     | 0 | 0.12990E-06 | 475684.7 | 3746349.7 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005404 |     | 0 | 0.12990E-06 | 475693.2 | 3746349.9 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005405 |     | 0 | 0.12990E-06 | 475701.7 | 3746350.1 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005406 |     | 0 | 0.12990E-06 | 475710.2 | 3746350.2 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005407 |     | 0 | 0.12990E-06 | 475718.7 | 3746350.4 | 468.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005408 |     | 0 | 0.12990E-06 | 475727.1 | 3746350.5 | 468.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005409 |     | 0 | 0.12990E-06 | 475735.6 | 3746350.7 | 468.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005410 |     | 0 | 0.12990E-06 | 475744.1 | 3746350.9 | 468.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005411 |     | 0 | 0.12990E-06 | 475752.6 | 3746351.0 | 468.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005412 |     | 0 | 0.12990E-06 | 475761.1 | 3746351.2 | 468.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005413 |     | 0 | 0.12990E-06 | 475769.6 | 3746351.4 | 468.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005414 |     | 0 | 0.12990E-06 | 475778.1 | 3746351.5 | 467.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005415 |     | 0 | 0.12990E-06 | 475786.6 | 3746351.7 | 467.4 | 4.00 | 3.95 |

1.86 YES  
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 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*

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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER      | EMISSION | RATE        |          | BASE     | RELEASE  | INIT.    |          |
|----------|--------|-------------|----------|-------------|----------|----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION    | PART.    | (GRAMS/SEC) | X        | Y        | ELEV.    | HEIGHT   | SY       |
| ID       | SCALAR | VARY        | CATS.    | BY          | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) |        |             |          |             |          |          |          |          |          |
| L0005416 | 0      | 0.12990E-06 | 475795.1 | 3746351.8   | 467.2    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005417 | 0      | 0.12990E-06 | 475803.6 | 3746352.0   | 467.0    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005418 | 0      | 0.12990E-06 | 475812.1 | 3746352.2   | 467.0    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005419 | 0      | 0.12990E-06 | 475820.6 | 3746352.3   | 467.0    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005420 | 0      | 0.12990E-06 | 475829.1 | 3746352.5   | 467.0    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005421 | 0      | 0.12990E-06 | 475837.6 | 3746352.6   | 466.8    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005422 | 0      | 0.12990E-06 | 475846.1 | 3746352.8   | 466.5    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005423 | 0      | 0.12990E-06 | 475854.6 | 3746353.0   | 466.2    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005424 | 0      | 0.12990E-06 | 475863.1 | 3746353.1   | 466.0    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005425 | 0      | 0.12990E-06 | 475871.6 | 3746353.3   | 466.0    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005426 | 0      | 0.12990E-06 | 475880.1 | 3746353.5   | 466.0    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005427 | 0      | 0.12990E-06 | 475888.6 | 3746353.6   | 466.0    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005428 | 0      | 0.12990E-06 | 475897.1 | 3746353.8   | 465.8    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005429 | 0      | 0.12990E-06 | 475905.6 | 3746353.9   | 465.5    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005430 | 0      | 0.23130E-07 | 475900.4 | 3746344.5   | 465.7    | 4.00     | 3.95     |          |          |
| 1.86 YES |        |             |          |             |          |          |          |          |          |
| L0005431 | 0      | 0.23130E-07 | 475900.3 | 3746336.0   | 465.7    | 4.00     | 3.95     |          |          |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005432 |     | 0 | 0.23130E-07 | 475900.2 | 3746327.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005433 |     | 0 | 0.23130E-07 | 475900.1 | 3746319.0 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005434 |     | 0 | 0.23130E-07 | 475899.9 | 3746310.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005435 |     | 0 | 0.23130E-07 | 475899.8 | 3746302.0 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005436 |     | 0 | 0.23130E-07 | 475899.7 | 3746293.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005437 |     | 0 | 0.23130E-07 | 475899.6 | 3746285.0 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005438 |     | 0 | 0.23130E-07 | 475899.5 | 3746276.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005439 |     | 0 | 0.23130E-07 | 475899.3 | 3746268.0 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005440 |     | 0 | 0.23130E-07 | 475899.2 | 3746259.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005441 |     | 0 | 0.23130E-07 | 475899.1 | 3746251.0 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005442 |     | 0 | 0.23130E-07 | 475899.0 | 3746242.5 | 465.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005443 |     | 0 | 0.23130E-07 | 475898.8 | 3746234.0 | 465.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005444 |     | 0 | 0.23130E-07 | 475898.7 | 3746225.5 | 465.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005445 |     | 0 | 0.23130E-07 | 475898.6 | 3746217.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005446 |     | 0 | 0.23130E-07 | 475898.5 | 3746208.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005447 |     | 0 | 0.23130E-07 | 475898.4 | 3746200.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005448 |     | 0 | 0.23130E-07 | 475898.2 | 3746191.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005449 |     | 0 | 0.23130E-07 | 475898.1 | 3746183.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005450 |     | 0 | 0.23130E-07 | 475898.0 | 3746174.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005451 |     | 0 | 0.23130E-07 | 475897.9 | 3746166.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005452 |     | 0 | 0.23130E-07 | 475897.7 | 3746157.5 | 466.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005453 |     | 0 | 0.23130E-07 | 475897.6 | 3746149.0 | 466.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005454 |     | 0 | 0.23130E-07 | 475897.5 | 3746140.5 | 466.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005455 |     | 0 | 0.23130E-07 | 475897.4 | 3746132.0 | 466.7 | 4.00 | 3.95 |



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1.86 YES

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\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*MODELOPTs: RegDFault CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER      | EMISSION | RATE        | BASE     | RELEASE  | INIT.    |
|----------|--------|-------------|----------|-------------|----------|----------|----------|
| SZ       | SOURCE | EMISSION    | PART.    | (GRAMS/SEC) | X        | Y        | SY       |
| SCALAR   | VARY   | CATS.       | (METERS) | (METERS)    | (METERS) | (METERS) | (METERS) |
| ID       | BY     |             |          |             |          |          |          |
| (METERS) |        |             |          |             |          |          |          |
| L0005456 | 0      | 0.23130E-07 | 475897.3 | 3746123.5   | 466.8    | 4.00     | 3.95     |
| 1.86 YES |        |             |          |             |          |          |          |
| L0005457 | 0      | 0.23130E-07 | 475897.1 | 3746115.0   | 466.8    | 4.00     | 3.95     |
| 1.86 YES |        |             |          |             |          |          |          |
| L0005458 | 0      | 0.23130E-07 | 475897.0 | 3746106.5   | 466.8    | 4.00     | 3.95     |
| 1.86 YES |        |             |          |             |          |          |          |
| L0005459 | 0      | 0.23130E-07 | 475896.9 | 3746098.0   | 466.8    | 4.00     | 3.95     |
| 1.86 YES |        |             |          |             |          |          |          |
| L0005460 | 0      | 0.23130E-07 | 475896.8 | 3746089.5   | 466.9    | 4.00     | 3.95     |
| 1.86 YES |        |             |          |             |          |          |          |
| L0005461 | 0      | 0.23130E-07 | 475896.6 | 3746081.0   | 466.9    | 4.00     | 3.95     |
| 1.86 YES |        |             |          |             |          |          |          |
| L0005462 | 0      | 0.23130E-07 | 475896.5 | 3746072.5   | 467.0    | 4.00     | 3.95     |
| 1.86 YES |        |             |          |             |          |          |          |
| L0005463 | 0      | 0.23130E-07 | 475896.4 | 3746064.0   | 467.0    | 4.00     | 3.95     |
| 1.86 YES |        |             |          |             |          |          |          |
| L0005464 | 0      | 0.23130E-07 | 475896.3 | 3746055.5   | 467.0    | 4.00     | 3.95     |
| 1.86 YES |        |             |          |             |          |          |          |
| L0005465 | 0      | 0.23130E-07 | 475896.2 | 3746047.0   | 467.0    | 4.00     | 3.95     |
| 1.86 YES |        |             |          |             |          |          |          |
| L0005466 | 0      | 0.23130E-07 | 475896.0 | 3746038.5   | 467.0    | 4.00     | 3.95     |
| 1.86 YES |        |             |          |             |          |          |          |
| L0005467 | 0      | 0.23130E-07 | 475895.9 | 3746030.0   | 467.0    | 4.00     | 3.95     |
| 1.86 YES |        |             |          |             |          |          |          |
| L0005468 | 0      | 0.23130E-07 | 475895.8 | 3746021.5   | 467.0    | 4.00     | 3.95     |
| 1.86 YES |        |             |          |             |          |          |          |
| L0005469 | 0      | 0.23130E-07 | 475895.7 | 3746013.0   | 467.0    | 4.00     | 3.95     |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005470 |     | 0 | 0.23130E-07 | 475895.5 | 3746004.5 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005471 |     | 0 | 0.23130E-07 | 475895.4 | 3745996.0 | 466.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005472 |     | 0 | 0.23130E-07 | 475895.3 | 3745987.5 | 466.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005473 |     | 0 | 0.23130E-07 | 475895.2 | 3745979.0 | 466.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005474 |     | 0 | 0.23130E-07 | 475895.1 | 3745970.5 | 466.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005475 |     | 0 | 0.23130E-07 | 475894.9 | 3745962.0 | 466.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005476 |     | 0 | 0.23130E-07 | 475894.8 | 3745953.5 | 466.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005477 |     | 0 | 0.23130E-07 | 475894.7 | 3745945.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005478 |     | 0 | 0.23130E-07 | 475894.6 | 3745936.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005479 |     | 0 | 0.23130E-07 | 475894.4 | 3745928.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005480 |     | 0 | 0.23130E-07 | 475894.3 | 3745919.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005481 |     | 0 | 0.23130E-07 | 475894.2 | 3745911.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005482 |     | 0 | 0.23130E-07 | 475894.1 | 3745902.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005483 |     | 0 | 0.23130E-07 | 475894.0 | 3745894.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005484 |     | 0 | 0.23130E-07 | 475893.8 | 3745885.6 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005485 |     | 0 | 0.23130E-07 | 475893.7 | 3745877.1 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005486 |     | 0 | 0.44280E-06 | 475898.2 | 3746354.1 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005487 |     | 0 | 0.44280E-06 | 475897.9 | 3746362.6 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005488 |     | 0 | 0.44280E-06 | 475897.7 | 3746371.1 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005489 |     | 0 | 0.44280E-06 | 475897.4 | 3746379.6 | 465.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005490 |     | 0 | 0.44280E-06 | 475896.4 | 3746388.0 | 465.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005491 |     | 0 | 0.44280E-06 | 475894.0 | 3746396.1 | 465.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005492 |     | 0 | 0.44280E-06 | 475891.6 | 3746404.3 | 465.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005493 |     | 0 | 0.44280E-06 | 475889.2 | 3746412.5 | 466.0 | 4.00 | 3.95 |

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1.86 YES  
 L0005494 0 0.44280E-06 475886.8 3746420.6 466.0 4.00 3.95

1.86 YES  
 L0005495 0 0.44280E-06 475884.4 3746428.8 466.0 4.00 3.95

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPres\KnoxBPres.isc \*\*\* 10/06/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 14:59:07

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\*\*MODELOPTs: RegDFault CONC ELEV URBAN

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

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

|          |   |             |          |           |       |      |      |
|----------|---|-------------|----------|-----------|-------|------|------|
| L0005496 | 0 | 0.44280E-06 | 475880.6 | 3746436.4 | 465.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005497 | 0 | 0.44280E-06 | 475876.5 | 3746443.8 | 465.8 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005498 | 0 | 0.44280E-06 | 475872.4 | 3746451.2 | 465.7 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005499 | 0 | 0.44280E-06 | 475868.3 | 3746458.7 | 465.7 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005500 | 0 | 0.44280E-06 | 475864.2 | 3746466.1 | 465.7 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005501 | 0 | 0.44280E-06 | 475860.1 | 3746473.6 | 465.5 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005502 | 0 | 0.44280E-06 | 475855.5 | 3746480.6 | 465.5 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005503 | 0 | 0.44280E-06 | 475849.8 | 3746486.9 | 465.4 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005504 | 0 | 0.44280E-06 | 475844.0 | 3746493.2 | 465.5 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005505 | 0 | 0.44280E-06 | 475838.3 | 3746499.5 | 465.7 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005506 | 0 | 0.44280E-06 | 475832.3 | 3746505.5 | 465.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005507 | 0 | 0.44280E-06 | 475826.1 | 3746511.3 | 466.0 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005508 |     | 0 | 0.44280E-06 | 475819.9 | 3746517.1 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005509 |     | 0 | 0.44280E-06 | 475813.7 | 3746522.9 | 466.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005510 |     | 0 | 0.44280E-06 | 475807.5 | 3746528.7 | 466.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005511 |     | 0 | 0.44280E-06 | 475801.3 | 3746534.5 | 466.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005512 |     | 0 | 0.44280E-06 | 475795.1 | 3746540.3 | 466.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005513 |     | 0 | 0.44280E-06 | 475788.9 | 3746546.2 | 466.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005514 |     | 0 | 0.44280E-06 | 475782.7 | 3746552.0 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005515 |     | 0 | 0.44280E-06 | 475776.5 | 3746557.8 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005516 |     | 0 | 0.44280E-06 | 475770.9 | 3746564.2 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005517 |     | 0 | 0.44280E-06 | 475766.0 | 3746571.1 | 467.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005518 |     | 0 | 0.44280E-06 | 475761.1 | 3746578.0 | 467.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005519 |     | 0 | 0.44280E-06 | 475756.2 | 3746585.0 | 467.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005520 |     | 0 | 0.44280E-06 | 475751.7 | 3746592.2 | 467.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005521 |     | 0 | 0.44280E-06 | 475747.3 | 3746599.5 | 467.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005522 |     | 0 | 0.44280E-06 | 475743.6 | 3746607.1 | 467.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005523 |     | 0 | 0.44280E-06 | 475739.9 | 3746614.8 | 468.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005524 |     | 0 | 0.44280E-06 | 475736.1 | 3746622.4 | 468.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005525 |     | 0 | 0.44280E-06 | 475733.3 | 3746630.4 | 468.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005526 |     | 0 | 0.44280E-06 | 475730.7 | 3746638.5 | 468.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005527 |     | 0 | 0.44280E-06 | 475728.4 | 3746646.7 | 468.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005528 |     | 0 | 0.44280E-06 | 475726.2 | 3746654.9 | 468.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005529 |     | 0 | 0.44280E-06 | 475724.2 | 3746663.1 | 467.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005530 |     | 0 | 0.44280E-06 | 475723.0 | 3746671.5 | 467.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005531 |     | 0 | 0.44280E-06 | 475722.0 | 3746680.0 | 467.4 | 4.00 | 3.95 |

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1.86 YES  
 L0005532 0 0.44280E-06 475721.3 3746688.5 467.2 4.00 3.95  
 1.86 YES  
 L0005533 0 0.44280E-06 475721.1 3746697.0 467.1 4.00 3.95  
 1.86 YES  
 L0005534 0 0.44280E-06 475720.8 3746705.4 466.8 4.00 3.95  
 1.86 YES  
 L0005535 0 0.44280E-06 475720.9 3746713.9 466.5 4.00 3.95

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPre\KnoxBPre.isc \*\*\* 10/06/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 14:59:07

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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE     |           | BASE     | RELEASE  | INIT.    |
|----------|--------|----------|-------------|----------|-----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | RATE        |          |           | ELEV.    | HEIGHT   | SY       |
| ID       | SOURCE | SCALAR   | VARY        | X        | Y         | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY          | (METERS) | (METERS)  | (METERS) | (METERS) | (METERS) |
| L0005536 |        | 0        | 0.44280E-06 | 475721.1 | 3746722.4 | 466.2    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0005537 |        | 0        | 0.44280E-06 | 475720.8 | 3746730.9 | 466.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0005538 |        | 0        | 0.44280E-06 | 475720.6 | 3746739.4 | 466.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0005539 |        | 0        | 0.44280E-06 | 475720.6 | 3746747.7 | 466.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0005540 |        | 0        | 0.44280E-06 | 475729.0 | 3746748.1 | 466.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0005541 |        | 0        | 0.44280E-06 | 475737.5 | 3746748.4 | 466.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0005542 |        | 0        | 0.44280E-06 | 475746.0 | 3746748.8 | 466.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0005543 |        | 0        | 0.44280E-06 | 475754.5 | 3746749.1 | 466.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0005544 |        | 0        | 0.44280E-06 | 475763.0 | 3746749.2 | 466.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0005545 |        | 0        | 0.44280E-06 | 475771.5 | 3746749.0 | 465.9    | 4.00     | 3.95     |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005546 |     | 0 | 0.44280E-06 | 475780.0 | 3746748.8 | 465.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005547 |     | 0 | 0.44280E-06 | 475788.5 | 3746748.5 | 465.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005548 |     | 0 | 0.44280E-06 | 475797.0 | 3746748.4 | 464.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005549 |     | 0 | 0.44280E-06 | 475805.5 | 3746748.5 | 464.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005550 |     | 0 | 0.44280E-06 | 475814.0 | 3746748.6 | 463.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005551 |     | 0 | 0.44280E-06 | 475822.5 | 3746748.8 | 463.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005552 |     | 0 | 0.44280E-06 | 475831.0 | 3746748.9 | 463.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005553 |     | 0 | 0.44280E-06 | 475839.5 | 3746749.0 | 463.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005554 |     | 0 | 0.44280E-06 | 475848.0 | 3746749.1 | 463.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005555 |     | 0 | 0.44280E-06 | 475856.5 | 3746749.2 | 463.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005556 |     | 0 | 0.44280E-06 | 475865.0 | 3746749.3 | 463.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005557 |     | 0 | 0.44280E-06 | 475873.5 | 3746749.4 | 463.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005558 |     | 0 | 0.44280E-06 | 475882.0 | 3746749.6 | 463.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005559 |     | 0 | 0.44280E-06 | 475890.5 | 3746749.7 | 463.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005560 |     | 0 | 0.44280E-06 | 475899.0 | 3746749.8 | 463.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005561 |     | 0 | 0.44280E-06 | 475907.5 | 3746749.9 | 463.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005562 |     | 0 | 0.44280E-06 | 475916.0 | 3746750.0 | 463.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005563 |     | 0 | 0.44280E-06 | 475924.5 | 3746750.1 | 462.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005564 |     | 0 | 0.44280E-06 | 475933.0 | 3746750.2 | 462.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005565 |     | 0 | 0.44280E-06 | 475941.5 | 3746750.4 | 462.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005566 |     | 0 | 0.44280E-06 | 475950.0 | 3746750.5 | 462.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005567 |     | 0 | 0.44280E-06 | 475958.5 | 3746750.6 | 462.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005568 |     | 0 | 0.44280E-06 | 475967.0 | 3746750.7 | 462.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005569 |     | 0 | 0.44280E-06 | 475975.5 | 3746750.8 | 462.1 | 4.00 | 3.95 |

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|      |     |          |   |             |          |           |       |      |      |
|------|-----|----------|---|-------------|----------|-----------|-------|------|------|
| 1.86 | YES | L0005570 | 0 | 0.44280E-06 | 475984.0 | 3746750.9 | 462.0 | 4.00 | 3.95 |
| 1.86 | YES | L0005571 | 0 | 0.44280E-06 | 475992.5 | 3746751.1 | 462.0 | 4.00 | 3.95 |
| 1.86 | YES | L0005572 | 0 | 0.44280E-06 | 476001.0 | 3746751.2 | 462.0 | 4.00 | 3.95 |
| 1.86 | YES | L0005573 | 0 | 0.44280E-06 | 476009.5 | 3746751.3 | 462.0 | 4.00 | 3.95 |
| 1.86 | YES | L0005574 | 0 | 0.44280E-06 | 476018.0 | 3746751.4 | 461.7 | 4.00 | 3.95 |
| 1.86 | YES | L0005575 | 0 | 0.44280E-06 | 476026.5 | 3746751.5 | 461.4 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPre\KnoxBPre.isc \*\*\* 10/06/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 14:59:07

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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION | RATE        |          | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------|----------|-------------|----------|----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | PART.    | (GRAMS/SEC) | X        | Y        | ELEV.    | HEIGHT   | SY       |
| ID       | SOURCE | SCALAR   | VARY     |             | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY       |             |          |          |          |          |          |

|          |     |             |          |             |          |           |       |      |      |
|----------|-----|-------------|----------|-------------|----------|-----------|-------|------|------|
| L0005576 | 0   | 0.44280E-06 | 476035.0 | 3746751.6   | 461.2    | 4.00      | 3.95  |      |      |
| 1.86     | YES | L0005577    | 0        | 0.44280E-06 | 476043.5 | 3746751.7 | 461.0 | 4.00 | 3.95 |
| 1.86     | YES | L0005578    | 0        | 0.44280E-06 | 476052.0 | 3746751.9 | 461.0 | 4.00 | 3.95 |
| 1.86     | YES | L0005579    | 0        | 0.44280E-06 | 476060.5 | 3746752.0 | 461.0 | 4.00 | 3.95 |
| 1.86     | YES | L0005580    | 0        | 0.44280E-06 | 476069.0 | 3746752.1 | 461.0 | 4.00 | 3.95 |
| 1.86     | YES | L0005581    | 0        | 0.44280E-06 | 476077.5 | 3746752.2 | 460.8 | 4.00 | 3.95 |
| 1.86     | YES | L0005582    | 0        | 0.44280E-06 | 476086.0 | 3746752.3 | 460.5 | 4.00 | 3.95 |
| 1.86     | YES | L0005583    | 0        | 0.44280E-06 | 476094.5 | 3746752.4 | 460.2 | 4.00 | 3.95 |

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1.86 YES  
L0005584 0 0.44280E-06 476103.0 3746752.5 460.0 4.00 3.95

1.86 YES  
♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
View\KnoxBP\KnoxBPre\KnoxBPre.isc \*\*\* 10/06/15  
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\*\*MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* AREA SOURCE DATA \*\*\*

| Y-DIM    | ORIENT. | NUMBER<br>INIT. | EMISSION RATE<br>URBAN | COORD (SW CORNER) |          | BASE     | RELEASE  | X-DIM    |
|----------|---------|-----------------|------------------------|-------------------|----------|----------|----------|----------|
| SOURCE   | PART.   | (GRAMS/SEC      | EMISSION RATE          | X                 | Y        | ELEV.    | HEIGHT   | OF AREA  |
| OF AREA  | OF AREA | SZ              | SOURCE                 | SCALAR            | VARY     | (METERS) | (METERS) | (METERS) |
| ID       | CATS.   | /METER**2)      | (METERS)               | (METERS)          | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) | (DEG.)  | (METERS)        | BY                     |                   |          |          |          |          |

|        |      |             |          |           |       |      |       |
|--------|------|-------------|----------|-----------|-------|------|-------|
| AREA1  | 0    | 0.44800E-08 | 475113.7 | 3745988.1 | 487.4 | 3.90 | 59.08 |
| 255.83 | 0.34 | 1.80        | YES      |           |       |      |       |
| AREA2  | 0    | 0.33429E-08 | 475380.9 | 3745968.9 | 478.6 | 3.90 | 75.77 |
| 267.30 | 0.26 | 1.80        | YES      |           |       |      |       |

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\*\*MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* AREAPOLY SOURCE DATA \*\*\*

| INIT.    | URBAN  | NUMBER<br>EMISSION RATE | LOCATION OF AREA |          | BASE     | RELEASE  | NUMBER    |
|----------|--------|-------------------------|------------------|----------|----------|----------|-----------|
| SOURCE   | PART.  | (GRAMS/SEC              | X                | Y        | ELEV.    | HEIGHT   | OF VERTS. |
| SZ       | SOURCE | SCALAR                  | VARY             | (METERS) | (METERS) | (METERS) | (METERS)  |
| ID       | CATS.  | /METER**2)              | (METERS)         | (METERS) | (METERS) | (METERS) | (METERS)  |
| (METERS) |        | BY                      |                  |          |          |          |           |

|        |   |             |          |           |       |      |   |
|--------|---|-------------|----------|-----------|-------|------|---|
| PAREA1 | 0 | 0.35280E-08 | 474745.4 | 3746238.0 | 502.5 | 3.90 | 9 |
|--------|---|-------------|----------|-----------|-------|------|---|



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1.80 YES  
PAREA2 0 0.50784E-08 475006.4 3746235.2 490.4 3.90 9

1.80 YES  
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\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

| SRCGROUP ID<br>----- | SOURCE IDs<br>-----  |
|----------------------|--|
| L0004821             | ALL L0004816 , L0004817 , L0004818 , L0004819 , L0004820 ,<br>L0004821 , L0004822 , L0004823 , |
| L0004829             | L0004824 , L0004825 , L0004826 , L0004827 , L0004828 ,<br>L0004829 , L0004830 , L0004831 ,     |
| L0004837             | L0004832 , L0004833 , L0004834 , L0004835 , L0004836 ,<br>L0004837 , L0004838 , L0004839 ,     |
| L0004845             | L0004840 , L0004841 , L0004842 , L0004843 , L0004844 ,<br>L0004845 , L0004846 , L0004847 ,     |
| L0004853             | L0004848 , L0004849 , L0004850 , L0004851 , L0004852 ,<br>L0004853 , L0004854 , L0004855 ,     |
| L0004861             | L0004856 , L0004857 , L0004858 , L0004859 , L0004860 ,<br>L0004861 , L0004862 , L0004863 ,     |
| L0004869             | L0004864 , L0004865 , L0004866 , L0004867 , L0004868 ,<br>L0004869 , L0004870 , L0004871 ,     |
| L0004877             | L0004872 , L0004873 , L0004874 , L0004875 , L0004876 ,<br>L0004877 , L0004878 , L0004879 ,     |
| L0004885             | L0004880 , L0004881 , L0004882 , L0004883 , L0004884 ,<br>L0004885 , L0004886 , L0004887 ,     |
| L0004893             | L0004888 , L0004889 , L0004890 , L0004891 , L0004892 ,<br>L0004893 , L0004894 , L0004895 ,     |

KnoxBPre

L0004901      L0004896      , L0004897      , L0004898      , L0004899      , L0004900      ,  
                  , L0004902      , L0004903      ,  
  
 L0004909      L0004904      , L0004905      , L0004906      , L0004907      , L0004908      ,  
                  , L0004910      , L0004911      ,  
  
 L0004917      L0004912      , L0004913      , L0004914      , L0004915      , L0004916      ,  
                  , L0004918      , L0004919      ,  
  
 L0004925      L0004920      , L0004921      , L0004922      , L0004923      , L0004924      ,  
                  , L0004926      , L0004927      ,  
  
 L0004933      L0004928      , L0004929      , L0004930      , L0004931      , L0004932      ,  
                  , L0004934      , L0004935      ,  
  
 L0004941      L0004936      , L0004937      , L0004938      , L0004939      , L0004940      ,  
                  , L0004942      , L0004943      ,  
  
 L0004949      L0004944      , L0004945      , L0004946      , L0004947      , L0004948      ,  
                  , L0004950      , L0004951      ,  
  
 L0004957      L0004952      , L0004953      , L0004954      , L0004955      , L0004956      ,  
                  , L0004958      , L0004959      ,  
  
 L0004965      L0004960      , L0004961      , L0004962      , L0004963      , L0004964      ,  
                  , L0004966      , L0004967      ,  
  
 L0004973      L0004968      , L0004969      , L0004970      , L0004971      , L0004972      ,  
                  , L0004974      , L0004975      ,

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\*\*MODELOPTs:    RegDEFAULT CONC      ELEV      URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID  
 -----

SOURCE IDs  
 -----

L0004981      L0004976      , L0004977      , L0004978      , L0004979      , L0004980      ,  
                  , L0004982      , L0004983      ,

KnoxBPreS

L0004989      L0004984      , L0004985      , L0004986      , L0004987      , L0004988      ,  
                   , L0004990      , L0004991      ,

L0004997      L0004992      , L0004993      , L0004994      , L0004995      , L0004996      ,  
                   , L0004998      , L0004999      ,

L0005005      L0005000      , L0005001      , L0005002      , L0005003      , L0005004      ,  
                   , L0005006      , L0005007      ,

L0005013      L0005008      , L0005009      , L0005010      , L0005011      , L0005012      ,  
                   , L0005014      , L0005015      ,

L0005021      L0005016      , L0005017      , L0005018      , L0005019      , L0005020      ,  
                   , L0005022      , L0005023      ,

L0005029      L0005024      , L0005025      , L0005026      , L0005027      , L0005028      ,  
                   , L0005030      , L0005031      ,

L0005037      L0005032      , L0005033      , L0005034      , L0005035      , L0005036      ,  
                   , L0005038      , L0005039      ,

L0005045      L0005040      , L0005041      , L0005042      , L0005043      , L0005044      ,  
                   , L0005046      , L0005047      ,

L0005053      L0005048      , L0005049      , L0005050      , L0005051      , L0005052      ,  
                   , L0005054      , L0005055      ,

L0005061      L0005056      , L0005057      , L0005058      , L0005059      , L0005060      ,  
                   , L0005062      , L0005063      ,

L0005069      L0005064      , L0005065      , L0005066      , L0005067      , L0005068      ,  
                   , L0005070      , L0005071      ,

L0005077      L0005072      , L0005073      , L0005074      , L0005075      , L0005076      ,  
                   , L0005078      , L0005079      ,

L0005085      L0005080      , L0005081      , L0005082      , L0005083      , L0005084      ,  
                   , L0005086      , L0005087      ,

L0005093      L0005088      , L0005089      , L0005090      , L0005091      , L0005092      ,  
                   , L0005094      , L0005095      ,

L0005101      L0005096      , L0005097      , L0005098      , L0005099      , L0005100      ,  
                   , L0005102      , L0005103      ,

L0005109      L0005104      , L0005105      , L0005106      , L0005107      , L0005108      ,  
                   , L0005110      , L0005111      ,

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L0005117      L0005112      , L0005113      , L0005114      , L0005115      , L0005116      ,  
                  , L0005118      , L0005119      ,  
  
 L0005125      L0005120      , L0005121      , L0005122      , L0005123      , L0005124      ,  
                  , L0005126      , L0005127      ,  
  
 L0005133      L0005128      , L0005129      , L0005130      , L0005131      , L0005132      ,  
                  , L0005134      , L0005135      ,  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* C:\Lakes\AERMOD  
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\*\*MODELOPTs:    RegDEFAULT CONC      ELEV      URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID  
-----

SOURCE IDs  
-----

L0005141      L0005136      , L0005137      , L0005138      , L0005139      , L0005140      ,  
                  , L0005142      , L0005143      ,  
  
 L0005149      L0005144      , L0005145      , L0005146      , L0005147      , L0005148      ,  
                  , L0005150      , L0005151      ,  
  
 L0005157      L0005152      , L0005153      , L0005154      , L0005155      , L0005156      ,  
                  , L0005158      , L0005159      ,  
  
 L0005165      L0005160      , L0005161      , L0005162      , L0005163      , L0005164      ,  
                  , L0005166      , L0005167      ,  
  
 L0005173      L0005168      , L0005169      , L0005170      , L0005171      , L0005172      ,  
                  , L0005174      , L0005175      ,  
  
 L0005181      L0005176      , L0005177      , L0005178      , L0005179      , L0005180      ,  
                  , L0005182      , L0005183      ,  
  
 L0005189      L0005184      , L0005185      , L0005186      , L0005187      , L0005188      ,  
                  , L0005190      , L0005191      ,  
  
 L0005197      L0005192      , L0005193      , L0005194      , L0005195      , L0005196      ,  
                  , L0005198      , L0005199      ,



| SRCGROUP ID<br>----- | KnoxBPreS              |                          |                 |            |            |   | SOURCE IDs<br>----- |
|----------------------|------------------------|--------------------------|-----------------|------------|------------|---|---------------------|
| L0005301             | L0005296<br>, L0005302 | , L0005297<br>, L0005303 | , L0005298<br>, | , L0005299 | , L0005300 | , |                     |
| L0005309             | L0005304<br>, L0005310 | , L0005305<br>, L0005311 | , L0005306<br>, | , L0005307 | , L0005308 | , |                     |
| L0005317             | L0005312<br>, L0005318 | , L0005313<br>, L0005319 | , L0005314<br>, | , L0005315 | , L0005316 | , |                     |
| L0005325             | L0005320<br>, L0005326 | , L0005321<br>, L0005327 | , L0005322<br>, | , L0005323 | , L0005324 | , |                     |
| L0005333             | L0005328<br>, L0005334 | , L0005329<br>, L0005335 | , L0005330<br>, | , L0005331 | , L0005332 | , |                     |
| L0005341             | L0005336<br>, L0005342 | , L0005337<br>, L0005343 | , L0005338<br>, | , L0005339 | , L0005340 | , |                     |
| L0005349             | L0005344<br>, L0005350 | , L0005345<br>, L0005351 | , L0005346<br>, | , L0005347 | , L0005348 | , |                     |
| L0005357             | L0005352<br>, L0005358 | , L0005353<br>, L0005359 | , L0005354<br>, | , L0005355 | , L0005356 | , |                     |
| L0005365             | L0005360<br>, L0005366 | , L0005361<br>, L0005367 | , L0005362<br>, | , L0005363 | , L0005364 | , |                     |
| L0005373             | L0005368<br>, L0005374 | , L0005369<br>, L0005375 | , L0005370<br>, | , L0005371 | , L0005372 | , |                     |
| L0005381             | L0005376<br>, L0005382 | , L0005377<br>, L0005383 | , L0005378<br>, | , L0005379 | , L0005380 | , |                     |
| L0005389             | L0005384<br>, L0005390 | , L0005385<br>, L0005391 | , L0005386<br>, | , L0005387 | , L0005388 | , |                     |
| L0005397             | L0005392<br>, L0005398 | , L0005393<br>, L0005399 | , L0005394<br>, | , L0005395 | , L0005396 | , |                     |
| L0005405             | L0005400<br>, L0005406 | , L0005401<br>, L0005407 | , L0005402<br>, | , L0005403 | , L0005404 | , |                     |
| L0005413             | L0005408<br>, L0005414 | , L0005409<br>, L0005415 | , L0005410<br>, | , L0005411 | , L0005412 | , |                     |

KnoxBPre

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L0005421    L0005416 , L0005417 , L0005418 , L0005419 , L0005420 ,
            , L0005422 , L0005423 ,
L0005429    L0005424 , L0005425 , L0005426 , L0005427 , L0005428 ,
            , L0005430 , L0005431 ,
L0005437    L0005432 , L0005433 , L0005434 , L0005435 , L0005436 ,
            , L0005438 , L0005439 ,
L0005445    L0005440 , L0005441 , L0005442 , L0005443 , L0005444 ,
            , L0005446 , L0005447 ,
L0005453    L0005448 , L0005449 , L0005450 , L0005451 , L0005452 ,
            , L0005454 , L0005455 ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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\*\*MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID  
-----

SOURCE IDs  
-----

```

L0005461    L0005456 , L0005457 , L0005458 , L0005459 , L0005460 ,
            , L0005462 , L0005463 ,
L0005469    L0005464 , L0005465 , L0005466 , L0005467 , L0005468 ,
            , L0005470 , L0005471 ,
L0005477    L0005472 , L0005473 , L0005474 , L0005475 , L0005476 ,
            , L0005478 , L0005479 ,
L0005485    L0005480 , L0005481 , L0005482 , L0005483 , L0005484 ,
            , L0005486 , L0005487 ,
L0005493    L0005488 , L0005489 , L0005490 , L0005491 , L0005492 ,
            , L0005494 , L0005495 ,
L0005501    L0005496 , L0005497 , L0005498 , L0005499 , L0005500 ,
            , L0005502 , L0005503 ,

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|          |                        |                          | KnoxBPre   |            |            |   |
|----------|------------------------|--------------------------|------------|------------|------------|---|
| L0004820 | 2100516.<br>, L0004821 | L0004816<br>, L0004822   | , L0004817 | , L0004818 | , L0004819 | , |
| L0004823 | ,                      |                          |            |            |            |   |
| L0004829 | L0004824<br>, L0004830 | , L0004825<br>, L0004831 | , L0004826 | , L0004827 | , L0004828 | , |
| L0004837 | L0004832<br>, L0004838 | , L0004833<br>, L0004839 | , L0004834 | , L0004835 | , L0004836 | , |
| L0004845 | L0004840<br>, L0004846 | , L0004841<br>, L0004847 | , L0004842 | , L0004843 | , L0004844 | , |
| L0004853 | L0004848<br>, L0004854 | , L0004849<br>, L0004855 | , L0004850 | , L0004851 | , L0004852 | , |
| L0004861 | L0004856<br>, L0004862 | , L0004857<br>, L0004863 | , L0004858 | , L0004859 | , L0004860 | , |
| L0004869 | L0004864<br>, L0004870 | , L0004865<br>, L0004871 | , L0004866 | , L0004867 | , L0004868 | , |
| L0004877 | L0004872<br>, L0004878 | , L0004873<br>, L0004879 | , L0004874 | , L0004875 | , L0004876 | , |
| L0004885 | L0004880<br>, L0004886 | , L0004881<br>, L0004887 | , L0004882 | , L0004883 | , L0004884 | , |
| L0004893 | L0004888<br>, L0004894 | , L0004889<br>, L0004895 | , L0004890 | , L0004891 | , L0004892 | , |
| L0004901 | L0004896<br>, L0004902 | , L0004897<br>, L0004903 | , L0004898 | , L0004899 | , L0004900 | , |
| L0004909 | L0004904<br>, L0004910 | , L0004905<br>, L0004911 | , L0004906 | , L0004907 | , L0004908 | , |
| L0004917 | L0004912<br>, L0004918 | , L0004913<br>, L0004919 | , L0004914 | , L0004915 | , L0004916 | , |
| L0004925 | L0004920<br>, L0004926 | , L0004921<br>, L0004927 | , L0004922 | , L0004923 | , L0004924 | , |
| L0004933 | L0004928<br>, L0004934 | , L0004929<br>, L0004935 | , L0004930 | , L0004931 | , L0004932 | , |
| L0004941 | L0004936<br>, L0004942 | , L0004937<br>, L0004943 | , L0004938 | , L0004939 | , L0004940 | , |

KnoxBPres

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L0004949      L0004944      , L0004945      , L0004946      , L0004947      , L0004948      ,
              , L0004950      , L0004951      ,
L0004957      L0004952      , L0004953      , L0004954      , L0004955      , L0004956      ,
              , L0004958      , L0004959      ,
L0004965      L0004960      , L0004961      , L0004962      , L0004963      , L0004964      ,
              , L0004966      , L0004967      ,
L0004973      L0004968      , L0004969      , L0004970      , L0004971      , L0004972      ,
              , L0004974      , L0004975      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

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

\*\*\*

| URBAN ID | URBAN POP           | SOURCE IDs                                  |
|----------|---------------------|---|
| -----    | -----               | -----                                       |
| L0004981 | L0004976 , L0004982 | L0004977 , L0004978 , L0004979 , L0004980 , |
| L0004989 | L0004984 , L0004990 | L0004985 , L0004986 , L0004987 , L0004988 , |
| L0004997 | L0004992 , L0004998 | L0004993 , L0004994 , L0004995 , L0004996 , |
| L0005005 | L0005000 , L0005006 | L0005001 , L0005002 , L0005003 , L0005004 , |
| L0005013 | L0005008 , L0005014 | L0005009 , L0005010 , L0005011 , L0005012 , |
| L0005021 | L0005016 , L0005022 | L0005017 , L0005018 , L0005019 , L0005020 , |
| L0005029 | L0005024 , L0005030 | L0005025 , L0005026 , L0005027 , L0005028 , |

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L0005037      L0005032      , L0005033      , L0005034      , L0005035      , L0005036      ,  
                  , L0005038      , L0005039      ,  
  
 L0005045      L0005040      , L0005041      , L0005042      , L0005043      , L0005044      ,  
                  , L0005046      , L0005047      ,  
  
 L0005053      L0005048      , L0005049      , L0005050      , L0005051      , L0005052      ,  
                  , L0005054      , L0005055      ,  
  
 L0005061      L0005056      , L0005057      , L0005058      , L0005059      , L0005060      ,  
                  , L0005062      , L0005063      ,  
  
 L0005069      L0005064      , L0005065      , L0005066      , L0005067      , L0005068      ,  
                  , L0005070      , L0005071      ,  
  
 L0005077      L0005072      , L0005073      , L0005074      , L0005075      , L0005076      ,  
                  , L0005078      , L0005079      ,  
  
 L0005085      L0005080      , L0005081      , L0005082      , L0005083      , L0005084      ,  
                  , L0005086      , L0005087      ,  
  
 L0005093      L0005088      , L0005089      , L0005090      , L0005091      , L0005092      ,  
                  , L0005094      , L0005095      ,  
  
 L0005101      L0005096      , L0005097      , L0005098      , L0005099      , L0005100      ,  
                  , L0005102      , L0005103      ,  
  
 L0005109      L0005104      , L0005105      , L0005106      , L0005107      , L0005108      ,  
                  , L0005110      , L0005111      ,  
  
 L0005117      L0005112      , L0005113      , L0005114      , L0005115      , L0005116      ,  
                  , L0005118      , L0005119      ,  
  
 L0005125      L0005120      , L0005121      , L0005122      , L0005123      , L0005124      ,  
                  , L0005126      , L0005127      ,  
  
 L0005133      L0005128      , L0005129      , L0005130      , L0005131      , L0005132      ,  
                  , L0005134      , L0005135      ,

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

\*\*\*

| URBAN ID<br>----- | URBAN POP<br>-----     | SOURCE IDs<br>-----      |                 |            |            |   |  |
|-------------------|------------------------|--------------------------|-----------------|------------|------------|---|--|
| L0005141          | L0005136<br>, L0005142 | , L0005137<br>, L0005143 | , L0005138<br>, | , L0005139 | , L0005140 | , |  |
| L0005149          | L0005144<br>, L0005150 | , L0005145<br>, L0005151 | , L0005146<br>, | , L0005147 | , L0005148 | , |  |
| L0005157          | L0005152<br>, L0005158 | , L0005153<br>, L0005159 | , L0005154<br>, | , L0005155 | , L0005156 | , |  |
| L0005165          | L0005160<br>, L0005166 | , L0005161<br>, L0005167 | , L0005162<br>, | , L0005163 | , L0005164 | , |  |
| L0005173          | L0005168<br>, L0005174 | , L0005169<br>, L0005175 | , L0005170<br>, | , L0005171 | , L0005172 | , |  |
| L0005181          | L0005176<br>, L0005182 | , L0005177<br>, L0005183 | , L0005178<br>, | , L0005179 | , L0005180 | , |  |
| L0005189          | L0005184<br>, L0005190 | , L0005185<br>, L0005191 | , L0005186<br>, | , L0005187 | , L0005188 | , |  |
| L0005197          | L0005192<br>, L0005198 | , L0005193<br>, L0005199 | , L0005194<br>, | , L0005195 | , L0005196 | , |  |
| L0005205          | L0005200<br>, L0005206 | , L0005201<br>, L0005207 | , L0005202<br>, | , L0005203 | , L0005204 | , |  |
| L0005213          | L0005208<br>, L0005214 | , L0005209<br>, L0005215 | , L0005210<br>, | , L0005211 | , L0005212 | , |  |
| L0005221          | L0005216<br>, L0005222 | , L0005217<br>, L0005223 | , L0005218<br>, | , L0005219 | , L0005220 | , |  |
| L0005229          | L0005224<br>, L0005230 | , L0005225<br>, L0005231 | , L0005226<br>, | , L0005227 | , L0005228 | , |  |
| L0005237          | L0005232<br>, L0005238 | , L0005233<br>, L0005239 | , L0005234<br>, | , L0005235 | , L0005236 | , |  |
| L0005245          | L0005240<br>, L0005246 | , L0005241<br>, L0005247 | , L0005242<br>, | , L0005243 | , L0005244 | , |  |

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L0005253      L0005248      , L0005249      , L0005250      , L0005251      , L0005252      ,
, L0005254      , L0005255      ,

L0005261      L0005256      , L0005257      , L0005258      , L0005259      , L0005260      ,
, L0005262      , L0005263      ,

L0005269      L0005264      , L0005265      , L0005266      , L0005267      , L0005268      ,
, L0005270      , L0005271      ,

L0005277      L0005272      , L0005273      , L0005274      , L0005275      , L0005276      ,
, L0005278      , L0005279      ,

L0005285      L0005280      , L0005281      , L0005282      , L0005283      , L0005284      ,
, L0005286      , L0005287      ,

L0005293      L0005288      , L0005289      , L0005290      , L0005291      , L0005292      ,
, L0005294      , L0005295      ,
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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

\*\*\*

```

URBAN ID      URBAN POP      SOURCE IDs
-----      -
L0005301      L0005296      , L0005297      , L0005298      , L0005299      , L0005300      ,
, L0005302      , L0005303      ,

L0005309      L0005304      , L0005305      , L0005306      , L0005307      , L0005308      ,
, L0005310      , L0005311      ,

L0005317      L0005312      , L0005313      , L0005314      , L0005315      , L0005316      ,
, L0005318      , L0005319      ,

L0005325      L0005320      , L0005321      , L0005322      , L0005323      , L0005324      ,
, L0005326      , L0005327      ,

L0005333      L0005328      , L0005329      , L0005330      , L0005331      , L0005332      ,
, L0005334      , L0005335      ,

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L0005341 L0005336 , L0005337 , L0005338 , L0005339 , L0005340 ,  
 , L0005342 , L0005343 , ,

L0005349 L0005344 , L0005345 , L0005346 , L0005347 , L0005348 ,  
 , L0005350 , L0005351 , ,

L0005357 L0005352 , L0005353 , L0005354 , L0005355 , L0005356 ,  
 , L0005358 , L0005359 , ,

L0005365 L0005360 , L0005361 , L0005362 , L0005363 , L0005364 ,  
 , L0005366 , L0005367 , ,

L0005373 L0005368 , L0005369 , L0005370 , L0005371 , L0005372 ,  
 , L0005374 , L0005375 , ,

L0005381 L0005376 , L0005377 , L0005378 , L0005379 , L0005380 ,  
 , L0005382 , L0005383 , ,

L0005389 L0005384 , L0005385 , L0005386 , L0005387 , L0005388 ,  
 , L0005390 , L0005391 , ,

L0005397 L0005392 , L0005393 , L0005394 , L0005395 , L0005396 ,  
 , L0005398 , L0005399 , ,

L0005405 L0005400 , L0005401 , L0005402 , L0005403 , L0005404 ,  
 , L0005406 , L0005407 , ,

L0005413 L0005408 , L0005409 , L0005410 , L0005411 , L0005412 ,  
 , L0005414 , L0005415 , ,

L0005421 L0005416 , L0005417 , L0005418 , L0005419 , L0005420 ,  
 , L0005422 , L0005423 , ,

L0005429 L0005424 , L0005425 , L0005426 , L0005427 , L0005428 ,  
 , L0005430 , L0005431 , ,

L0005437 L0005432 , L0005433 , L0005434 , L0005435 , L0005436 ,  
 , L0005438 , L0005439 , ,

L0005445 L0005440 , L0005441 , L0005442 , L0005443 , L0005444 ,  
 , L0005446 , L0005447 , ,

L0005453 L0005448 , L0005449 , L0005450 , L0005451 , L0005452 ,  
 , L0005454 , L0005455 , ,

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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

\*\*\*

| URBAN ID | URBAN POP           | SOURCE IDs          |            |            |            |  |  |
|----------|---------------------|---------------------|------------|------------|------------|--|--|
| -----    | -----               | -----               |            |            |            |  |  |
| L0005461 | L0005456 , L0005462 | L0005457 , L0005463 | L0005458 , | L0005459 , | L0005460 , |  |  |
| L0005469 | L0005464 , L0005470 | L0005465 , L0005471 | L0005466 , | L0005467 , | L0005468 , |  |  |
| L0005477 | L0005472 , L0005478 | L0005473 , L0005479 | L0005474 , | L0005475 , | L0005476 , |  |  |
| L0005485 | L0005480 , L0005486 | L0005481 , L0005487 | L0005482 , | L0005483 , | L0005484 , |  |  |
| L0005493 | L0005488 , L0005494 | L0005489 , L0005495 | L0005490 , | L0005491 , | L0005492 , |  |  |
| L0005501 | L0005496 , L0005502 | L0005497 , L0005503 | L0005498 , | L0005499 , | L0005500 , |  |  |
| L0005509 | L0005504 , L0005510 | L0005505 , L0005511 | L0005506 , | L0005507 , | L0005508 , |  |  |
| L0005517 | L0005512 , L0005518 | L0005513 , L0005519 | L0005514 , | L0005515 , | L0005516 , |  |  |
| L0005525 | L0005520 , L0005526 | L0005521 , L0005527 | L0005522 , | L0005523 , | L0005524 , |  |  |
| L0005533 | L0005528 , L0005534 | L0005529 , L0005535 | L0005530 , | L0005531 , | L0005532 , |  |  |
| L0005541 | L0005536 , L0005542 | L0005537 , L0005543 | L0005538 , | L0005539 , | L0005540 , |  |  |
| L0005549 | L0005544 , L0005550 | L0005545 , L0005551 | L0005546 , | L0005547 , | L0005548 , |  |  |







KnoxBPres

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

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

\*\*\* UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES \*\*\* (METERS/SEC)

1.54, 3.09, 5.14, 8.23,

10.80,

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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

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

Surface file: ..\SRA24\_Met Data\peri8.sfc Met Version: 14134 Profile file: ..\SRA24\_Met Data\peri8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3190 Name: UNKNOWN Year: 2007 Upper air station no.: 3190 Name: UNKNOWN Year: 2007

Table with 13 columns: YR, MO, DY, JDY, HR, H0, U\*, W\*, DT/DZ, ZICNV, ZIMCH, M-O, LEN, Z0, BOWEN. It contains three rows of meteorological data for the first 24 hours.

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|      |    |      |   |      |       |       |        |        |       |       |         |      |      |
|------|----|------|---|------|-------|-------|--------|--------|-------|-------|---------|------|------|
| 07   | 01 | 01   | 1 | 04   | -0.5  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 3.0     | 0.19 | 1.00 |
| 1.00 |    | 0.50 |   | 75.  | 9.1   | 277.5 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 05   | -0.6  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 2.6     | 0.19 | 1.00 |
| 1.00 |    | 0.50 |   | 282. | 9.1   | 278.8 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 06   | -0.6  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 2.6     | 0.19 | 1.00 |
| 1.00 |    | 0.50 |   | 96.  | 9.1   | 277.5 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 07   | -0.5  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 3.0     | 0.19 | 1.00 |
| 1.00 |    | 0.50 |   | 129. | 9.1   | 278.1 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 08   | -0.4  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 3.7     | 0.19 | 1.00 |
| 0.54 |    | 0.50 |   | 99.  | 9.1   | 277.5 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 09   | 27.8  | 0.091 | 0.542  | 0.005  | 196.  | 66.   | -2.3    | 0.19 | 1.00 |
| 0.33 |    | 0.50 |   | 133. | 9.1   | 278.1 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 10   | 76.9  | 0.104 | 1.050  | 0.005  | 516.  | 81.   | -1.3    | 0.19 | 1.00 |
| 0.26 |    | 0.50 |   | 174. | 9.1   | 281.4 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 11   | 110.0 | 0.109 | 1.374  | 0.009  | 810.  | 87.   | -1.0    | 0.19 | 1.00 |
| 0.23 |    | 0.50 |   | 95.  | 9.1   | 284.9 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 12   | 125.7 | 0.201 | 1.589  | 0.018  | 1095. | 216.  | -5.5    | 0.19 | 1.00 |
| 0.22 |    | 1.30 |   | 94.  | 9.1   | 288.1 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 13   | 121.7 | 0.287 | 1.641  | 0.022  | 1248. | 369.  | -16.6   | 0.19 | 1.00 |
| 0.22 |    | 2.20 |   | 24.  | 9.1   | 291.4 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 14   | 102.8 | 0.414 | 1.559  | 0.021  | 1265. | 639.  | -59.1   | 0.19 | 1.00 |
| 0.23 |    | 3.60 |   | 13.  | 9.1   | 292.5 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 15   | 69.9  | 0.619 | 1.374  | 0.021  | 1276. | 1169. | -291.2  | 0.19 | 1.00 |
| 0.27 |    | 5.80 |   | 318. | 9.1   | 292.0 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 16   | 16.8  | 0.607 | 0.856  | 0.021  | 1277. | 1135. | -1137.8 | 0.19 | 1.00 |
| 0.36 |    | 5.80 |   | 329. | 9.1   | 291.4 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 17   | -42.2 | 0.437 | -9.000 | -9.000 | -999. | 720.  | 169.3   | 0.19 | 1.00 |
| 0.64 |    | 4.50 |   | 333. | 9.1   | 289.9 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 18   | -18.5 | 0.353 | -9.000 | -9.000 | -999. | 510.  | 204.1   | 0.19 | 1.00 |
| 1.00 |    | 3.60 |   | 305. | 9.1   | 288.8 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 19   | -42.3 | 0.437 | -9.000 | -9.000 | -999. | 692.  | 168.7   | 0.19 | 1.00 |
| 1.00 |    | 4.50 |   | 276. | 9.1   | 287.5 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 20   | -32.3 | 0.334 | -9.000 | -9.000 | -999. | 470.  | 98.6    | 0.19 | 1.00 |
| 1.00 |    | 3.60 |   | 323. | 9.1   | 287.5 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 21   | -36.7 | 0.380 | -9.000 | -9.000 | -999. | 562.  | 128.3   | 0.19 | 1.00 |
| 1.00 |    | 4.00 |   | 322. | 9.1   | 288.1 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 22   | -45.6 | 0.434 | -9.000 | -9.000 | -999. | 685.  | 153.6   | 0.19 | 1.00 |
| 1.00 |    | 4.50 |   | 30.  | 9.1   | 288.1 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 23   | -39.7 | 0.377 | -9.000 | -9.000 | -999. | 557.  | 115.4   | 0.19 | 1.00 |
| 1.00 |    | 4.00 |   | 343. | 9.1   | 287.0 | 5.5    |        |       |       |         |      |      |
| 07   | 01 | 01   | 1 | 24   | -7.7  | 0.093 | -9.000 | -9.000 | -999. | 215.  | 9.1     | 0.19 | 1.00 |
| 1.00 |    | 1.80 |   | 155. | 9.1   | 283.8 | 5.5    |        |       |       |         |      |      |

First hour of profile data

| YR | MO | DY | HR | HEIGHT | F | WDIR  | WSPD   | AMB_TMP | sigmaA | sigmaW | sigmaV |
|----|----|----|----|--------|---|-------|--------|---------|--------|--------|--------|
| 07 | 01 | 01 | 01 | 5.5    | 0 | -999. | -99.00 | 279.9   | 99.0   | -99.00 | -99.00 |
| 07 | 01 | 01 | 01 | 9.1    | 1 | 133.  | 0.50   | -999.0  | 99.0   | -99.00 | -99.00 |

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

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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5  
 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0004816 , L0004817  
 , L0004818 , L0004819 , L0004820 ,  
 L0004821 , L0004822 , L0004823 , L0004824 , L0004825  
 , L0004826 , L0004827 , L0004828 ,  
 L0004829 , L0004830 , L0004831 , L0004832 , L0004833  
 , L0004834 , L0004835 , L0004836 ,  
 L0004837 , L0004838 , L0004839 , L0004840 , L0004841  
 , L0004842 , L0004843 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

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

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) |
|-------------|-------------|---------|-------------|
| Y-COORD (M) | CONC        |         |             |
| 474747.90   | 3745949.70  | 0.00478 | 474784.57   |
| 3745949.70  | 0.00797     |         |             |
| 474821.24   | 3745949.70  | 0.01069 | 474857.91   |
| 3745949.70  | 0.01033     |         |             |
| 474894.58   | 3745949.70  | 0.00909 | 474931.25   |
| 3745949.70  | 0.00879     |         |             |
| 474967.92   | 3745949.70  | 0.00979 | 475004.59   |
| 3745949.70  | 0.01218     |         |             |
| 475041.26   | 3745949.70  | 0.01514 | 475077.93   |
| 3745949.70  | 0.01500     |         |             |
| 475114.60   | 3745949.70  | 0.01533 | 475151.27   |
| 3745949.70  | 0.01670     |         |             |
| 475187.94   | 3745949.70  | 0.01544 | 475224.61   |
| 3745949.70  | 0.01214     |         |             |
| 475261.28   | 3745949.70  | 0.01018 | 475297.95   |
| 3745949.70  | 0.00935     |         |             |
| 475334.62   | 3745949.70  | 0.00976 | 475371.29   |

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|            |            |         |  |           |
|------------|------------|---------|--|-----------|
| 3745949.70 | 0.01201    |         |  |           |
| 475407.96  | 3745949.70 | 0.01546 |  | 475444.63 |
| 3745949.70 | 0.01434    |         |  |           |
| 475481.30  | 3745949.70 | 0.01060 |  | 474747.90 |
| 3745959.54 | 0.00512    |         |  |           |
| 474784.57  | 3745959.54 | 0.00926 |  | 474821.24 |
| 3745959.54 | 0.01255    |         |  |           |
| 474857.91  | 3745959.54 | 0.01135 |  | 474894.58 |
| 3745959.54 | 0.00959    |         |  |           |
| 474931.25  | 3745959.54 | 0.00924 |  | 474967.92 |
| 3745959.54 | 0.01048    |         |  |           |
| 475004.59  | 3745959.54 | 0.01380 |  | 475041.26 |
| 3745959.54 | 0.01747    |         |  |           |
| 475077.93  | 3745959.54 | 0.01656 |  | 475114.60 |
| 3745959.54 | 0.01697    |         |  |           |
| 475151.27  | 3745959.54 | 0.01942 |  | 475187.94 |
| 3745959.54 | 0.01718    |         |  |           |
| 475224.61  | 3745959.54 | 0.01273 |  | 475261.28 |
| 3745959.54 | 0.01053    |         |  |           |
| 475297.95  | 3745959.54 | 0.00969 |  | 475334.62 |
| 3745959.54 | 0.01037    |         |  |           |
| 475371.29  | 3745959.54 | 0.01387 |  | 475407.96 |
| 3745959.54 | 0.01897    |         |  |           |
| 475444.63  | 3745959.54 | 0.01678 |  | 475481.30 |
| 3745959.54 | 0.01123    |         |  |           |
| 475854.15  | 3746316.72 | 0.00629 |  | 475863.29 |
| 3746274.18 | 0.00369    |         |  |           |

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ELEV URBAN

\*\*MODELOPTs: RegDEFAULT CONC

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS \*\*\*

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

\*\*

NETWORK

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

-----

KnoxBPre

|         |                       |              |            |             |
|---------|-----------------------|--------------|------------|-------------|
| ALL     | 1ST HIGHEST VALUE IS  | 0.01942 AT ( | 475151.27, | 3745959.54, |
| 486.89, | 486.89, 0.00) DC      |              |            |             |
|         | 2ND HIGHEST VALUE IS  | 0.01897 AT ( | 475407.96, | 3745959.54, |
| 478.02, | 478.02, 0.00) DC      |              |            |             |
|         | 3RD HIGHEST VALUE IS  | 0.01747 AT ( | 475041.26, | 3745959.54, |
| 489.78, | 489.78, 0.00) DC      |              |            |             |
|         | 4TH HIGHEST VALUE IS  | 0.01718 AT ( | 475187.94, | 3745959.54, |
| 486.53, | 486.53, 0.00) DC      |              |            |             |
|         | 5TH HIGHEST VALUE IS  | 0.01697 AT ( | 475114.60, | 3745959.54, |
| 486.94, | 486.94, 0.00) DC      |              |            |             |
|         | 6TH HIGHEST VALUE IS  | 0.01678 AT ( | 475444.63, | 3745959.54, |
| 476.27, | 476.27, 0.00) DC      |              |            |             |
|         | 7TH HIGHEST VALUE IS  | 0.01670 AT ( | 475151.27, | 3745949.70, |
| 486.37, | 486.37, 0.00) DC      |              |            |             |
|         | 8TH HIGHEST VALUE IS  | 0.01656 AT ( | 475077.93, | 3745959.54, |
| 487.43, | 487.43, 0.00) DC      |              |            |             |
|         | 9TH HIGHEST VALUE IS  | 0.01546 AT ( | 475407.96, | 3745949.70, |
| 477.99, | 477.99, 0.00) DC      |              |            |             |
|         | 10TH HIGHEST VALUE IS | 0.01544 AT ( | 475187.94, | 3745949.70, |
| 486.39, | 486.39, 0.00) DC      |              |            |             |

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

♀ \*\*\* AERMOD - VERSION 15181 \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPre\KnoxBPre.isc \*\*\* 10/06/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*  
 \*\*\* 14:59:07

PAGE 39

\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

A Total of 0 Fatal Error Message(s)  
 A Total of 1 Warning Message(s)  
 A Total of 1895 Informational Message(s)  
 A Total of 43824 Hours Were Processed  
 A Total of 90 Calm Hours Identified  
 A Total of 1805 Missing Hours Identified ( 4.12 Percent)

KnoxBPre

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W531 1883 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for  
SURFDATA

\*\*\*\*\*  
\*\*\* AERMOD Finishes Successfully \*\*\*  
\*\*\*\*\*

KnoxBPWorker

\*\*

\*\*\*\*\*

\*\*

\*\* AERMOD Input Produced by:  
\*\* AERMOD View Ver. 9.0.0  
\*\* Lakes Environmental Software Inc.  
\*\* Date: 9/25/2015  
\*\* File: C:\Lakes\AERMOD View\KnoxBP\KnoxBPWorker\KnoxBPWorker.ADI

\*\*

\*\*\*\*\*

\*\*

\*\*

\*\*\*\*\*

\*\* AERMOD Control Pathway  
\*\*\*\*\*

\*\*

\*\*

CO STARTING  
TITLEONE C:\Lakes\AERMOD View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc  
MODELOPT DFAULT CONC  
AVERTIME ANNUAL  
URBANOPT 2100516  
POLLUTID DPM  
RUNORNOT RUN  
ERRORFIL KnoxBPWorker.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 Idling Building E (West Side)  
\*\* PREFIX  
\*\* Length of Side = 8.50  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 0.00003149  
\*\* Vertical Dimension = 4.00  
\*\* SZINIT = 1.86  
\*\* Nodes = 2  
\*\* 474824.850, 3746236.554, 497.36, 4.00, 3.95  
\*\* 474820.373, 3745997.196, 500.21, 4.00, 3.95



KnoxBPWorker

```

** -----
LOCATION L0005585      VOLUME  474824.771 3746232.304 496.81
LOCATION L0005586      VOLUME  474824.612 3746223.806 496.96
LOCATION L0005587      VOLUME  474824.453 3746215.307 497.11
LOCATION L0005588      VOLUME  474824.294 3746206.809 497.26
LOCATION L0005589      VOLUME  474824.135 3746198.310 497.40
LOCATION L0005590      VOLUME  474823.976 3746189.812 497.55
LOCATION L0005591      VOLUME  474823.817 3746181.313 498.12
LOCATION L0005592      VOLUME  474823.658 3746172.815 498.69
LOCATION L0005593      VOLUME  474823.499 3746164.316 499.26
LOCATION L0005594      VOLUME  474823.340 3746155.818 499.43
LOCATION L0005595      VOLUME  474823.181 3746147.319 499.19
LOCATION L0005596      VOLUME  474823.022 3746138.821 498.95
LOCATION L0005597      VOLUME  474822.863 3746130.322 498.72
LOCATION L0005598      VOLUME  474822.704 3746121.824 498.57
LOCATION L0005599      VOLUME  474822.545 3746113.325 498.42
LOCATION L0005600      VOLUME  474822.386 3746104.827 498.27
LOCATION L0005601      VOLUME  474822.227 3746096.328 498.18
LOCATION L0005602      VOLUME  474822.068 3746087.830 498.20
LOCATION L0005603      VOLUME  474821.909 3746079.331 498.21
LOCATION L0005604      VOLUME  474821.750 3746070.833 498.22
LOCATION L0005605      VOLUME  474821.591 3746062.334 498.48
LOCATION L0005606      VOLUME  474821.432 3746053.836 498.78
LOCATION L0005607      VOLUME  474821.273 3746045.337 499.07
LOCATION L0005608      VOLUME  474821.114 3746036.839 499.26
LOCATION L0005609      VOLUME  474820.955 3746028.340 499.27
LOCATION L0005610      VOLUME  474820.796 3746019.842 499.28
LOCATION L0005611      VOLUME  474820.637 3746011.343 499.29
LOCATION L0005612      VOLUME  474820.478 3746002.845 499.38

```

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

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC Idling Building E (East Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00003149

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475022.016, 3746232.412, 489.79, 4.00, 3.95

\*\* 475017.538, 3745993.054, 491.56, 4.00, 3.95

\*\* -----

```

LOCATION L0005613      VOLUME  475021.937 3746228.162 489.89
LOCATION L0005614      VOLUME  475021.778 3746219.664 489.87
LOCATION L0005615      VOLUME  475021.619 3746211.165 489.61
LOCATION L0005616      VOLUME  475021.460 3746202.667 489.35

```

KnoxBPWorker

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005617 | VOLUME | 475021.301 | 3746194.168 | 489.09 |
| LOCATION L0005618 | VOLUME | 475021.142 | 3746185.670 | 489.11 |
| LOCATION L0005619 | VOLUME | 475020.983 | 3746177.171 | 489.39 |
| LOCATION L0005620 | VOLUME | 475020.824 | 3746168.673 | 489.68 |
| LOCATION L0005621 | VOLUME | 475020.665 | 3746160.174 | 489.97 |
| LOCATION L0005622 | VOLUME | 475020.506 | 3746151.676 | 489.71 |
| LOCATION L0005623 | VOLUME | 475020.347 | 3746143.177 | 489.43 |
| LOCATION L0005624 | VOLUME | 475020.188 | 3746134.679 | 489.15 |
| LOCATION L0005625 | VOLUME | 475020.029 | 3746126.180 | 489.13 |
| LOCATION L0005626 | VOLUME | 475019.870 | 3746117.682 | 489.41 |
| LOCATION L0005627 | VOLUME | 475019.711 | 3746109.183 | 489.70 |
| LOCATION L0005628 | VOLUME | 475019.552 | 3746100.685 | 489.99 |
| LOCATION L0005629 | VOLUME | 475019.393 | 3746092.186 | 490.02 |
| LOCATION L0005630 | VOLUME | 475019.234 | 3746083.688 | 490.03 |
| LOCATION L0005631 | VOLUME | 475019.075 | 3746075.189 | 490.03 |
| LOCATION L0005632 | VOLUME | 475018.916 | 3746066.691 | 490.04 |
| LOCATION L0005633 | VOLUME | 475018.757 | 3746058.192 | 490.06 |
| LOCATION L0005634 | VOLUME | 475018.598 | 3746049.694 | 490.08 |
| LOCATION L0005635 | VOLUME | 475018.439 | 3746041.195 | 490.10 |
| LOCATION L0005636 | VOLUME | 475018.280 | 3746032.697 | 490.34 |
| LOCATION L0005637 | VOLUME | 475018.121 | 3746024.198 | 490.62 |
| LOCATION L0005638 | VOLUME | 475017.962 | 3746015.700 | 490.89 |
| LOCATION L0005639 | VOLUME | 475017.803 | 3746007.201 | 491.08 |
| LOCATION L0005640 | VOLUME | 475017.644 | 3745998.702 | 491.11 |

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Idling Building D (West Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000398

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475163.781, 3746230.017, 485.24, 4.00, 3.95

\*\* 475159.303, 3745990.660, 487.81, 4.00, 3.95

\*\*

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005641 | VOLUME | 475163.701 | 3746225.768 | 485.02 |
| LOCATION L0005642 | VOLUME | 475163.542 | 3746217.269 | 485.14 |
| LOCATION L0005643 | VOLUME | 475163.383 | 3746208.771 | 484.93 |
| LOCATION L0005644 | VOLUME | 475163.224 | 3746200.272 | 484.72 |
| LOCATION L0005645 | VOLUME | 475163.065 | 3746191.774 | 484.51 |
| LOCATION L0005646 | VOLUME | 475162.906 | 3746183.275 | 484.64 |
| LOCATION L0005647 | VOLUME | 475162.747 | 3746174.777 | 484.87 |
| LOCATION L0005648 | VOLUME | 475162.588 | 3746166.278 | 485.09 |
| LOCATION L0005649 | VOLUME | 475162.429 | 3746157.780 | 485.25 |

KnoxBPWorker

| LOCATION | VOLUME     |             |        |  |
|----------|------------|-------------|--------|--|
| L0005650 | 475162.270 | 3746149.281 | 485.26 |  |
| L0005651 | 475162.111 | 3746140.783 | 485.26 |  |
| L0005652 | 475161.953 | 3746132.284 | 485.27 |  |
| L0005653 | 475161.794 | 3746123.785 | 485.48 |  |
| L0005654 | 475161.635 | 3746115.287 | 485.77 |  |
| L0005655 | 475161.476 | 3746106.788 | 486.06 |  |
| L0005656 | 475161.317 | 3746098.290 | 486.29 |  |
| L0005657 | 475161.158 | 3746089.791 | 486.29 |  |
| L0005658 | 475160.999 | 3746081.293 | 486.30 |  |
| L0005659 | 475160.840 | 3746072.794 | 486.31 |  |
| L0005660 | 475160.681 | 3746064.296 | 486.50 |  |
| L0005661 | 475160.522 | 3746055.797 | 486.79 |  |
| L0005662 | 475160.363 | 3746047.299 | 487.08 |  |
| L0005663 | 475160.204 | 3746038.800 | 487.35 |  |
| L0005664 | 475160.045 | 3746030.302 | 487.55 |  |
| L0005665 | 475159.886 | 3746021.803 | 487.74 |  |
| L0005666 | 475159.727 | 3746013.305 | 487.93 |  |
| L0005667 | 475159.568 | 3746004.806 | 488.00 |  |
| L0005668 | 475159.409 | 3745996.308 | 488.00 |  |

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC Idling Building D (East Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000398

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475392.233, 3746223.791, 477.76, 4.00, 3.95

\*\* 475387.755, 3745984.434, 478.87, 4.00, 3.95

\*\*

|          |            |             |        |  |
|----------|------------|-------------|--------|--|
| L0005669 | 475392.153 | 3746219.541 | 477.59 |  |
| L0005670 | 475391.994 | 3746211.043 | 477.60 |  |
| L0005671 | 475391.835 | 3746202.544 | 477.61 |  |
| L0005672 | 475391.676 | 3746194.046 | 477.61 |  |
| L0005673 | 475391.517 | 3746185.547 | 477.56 |  |
| L0005674 | 475391.358 | 3746177.049 | 477.46 |  |
| L0005675 | 475391.200 | 3746168.550 | 477.36 |  |
| L0005676 | 475391.041 | 3746160.052 | 477.26 |  |
| L0005677 | 475390.882 | 3746151.553 | 477.27 |  |
| L0005678 | 475390.723 | 3746143.055 | 477.29 |  |
| L0005679 | 475390.564 | 3746134.556 | 477.30 |  |
| L0005680 | 475390.405 | 3746126.058 | 477.35 |  |
| L0005681 | 475390.246 | 3746117.559 | 477.46 |  |
| L0005682 | 475390.087 | 3746109.061 | 477.56 |  |

KnoxBPWorker

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0005683 | VOLUME | 475389.928 | 3746100.562 | 477.66 |
| LOCATION | L0005684 | VOLUME | 475389.769 | 3746092.064 | 477.67 |
| LOCATION | L0005685 | VOLUME | 475389.610 | 3746083.565 | 477.68 |
| LOCATION | L0005686 | VOLUME | 475389.451 | 3746075.067 | 477.68 |
| LOCATION | L0005687 | VOLUME | 475389.292 | 3746066.568 | 477.69 |
| LOCATION | L0005688 | VOLUME | 475389.133 | 3746058.070 | 477.70 |
| LOCATION | L0005689 | VOLUME | 475388.974 | 3746049.571 | 477.70 |
| LOCATION | L0005690 | VOLUME | 475388.815 | 3746041.073 | 477.71 |
| LOCATION | L0005691 | VOLUME | 475388.656 | 3746032.574 | 477.96 |
| LOCATION | L0005692 | VOLUME | 475388.497 | 3746024.076 | 478.25 |
| LOCATION | L0005693 | VOLUME | 475388.338 | 3746015.577 | 478.54 |
| LOCATION | L0005694 | VOLUME | 475388.179 | 3746007.079 | 478.73 |
| LOCATION | L0005695 | VOLUME | 475388.020 | 3745998.580 | 478.73 |
| LOCATION | L0005696 | VOLUME | 475387.861 | 3745990.082 | 478.74 |

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC On-Site Travel Building E (West Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 7.351E-06

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 474824.850, 3746236.554, 497.36, 4.00, 3.95

\*\* 474820.373, 3745997.196, 500.21, 4.00, 3.95

\*\*

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0005697 | VOLUME | 474824.771 | 3746232.304 | 496.81 |
| LOCATION | L0005698 | VOLUME | 474824.612 | 3746223.806 | 496.96 |
| LOCATION | L0005699 | VOLUME | 474824.453 | 3746215.307 | 497.11 |
| LOCATION | L0005700 | VOLUME | 474824.294 | 3746206.809 | 497.26 |
| LOCATION | L0005701 | VOLUME | 474824.135 | 3746198.310 | 497.40 |
| LOCATION | L0005702 | VOLUME | 474823.976 | 3746189.812 | 497.55 |
| LOCATION | L0005703 | VOLUME | 474823.817 | 3746181.313 | 498.12 |
| LOCATION | L0005704 | VOLUME | 474823.658 | 3746172.815 | 498.69 |
| LOCATION | L0005705 | VOLUME | 474823.499 | 3746164.316 | 499.26 |
| LOCATION | L0005706 | VOLUME | 474823.340 | 3746155.818 | 499.43 |
| LOCATION | L0005707 | VOLUME | 474823.181 | 3746147.319 | 499.19 |
| LOCATION | L0005708 | VOLUME | 474823.022 | 3746138.821 | 498.95 |
| LOCATION | L0005709 | VOLUME | 474822.863 | 3746130.322 | 498.72 |
| LOCATION | L0005710 | VOLUME | 474822.704 | 3746121.824 | 498.57 |
| LOCATION | L0005711 | VOLUME | 474822.545 | 3746113.325 | 498.42 |
| LOCATION | L0005712 | VOLUME | 474822.386 | 3746104.827 | 498.27 |
| LOCATION | L0005713 | VOLUME | 474822.227 | 3746096.328 | 498.18 |
| LOCATION | L0005714 | VOLUME | 474822.068 | 3746087.830 | 498.20 |
| LOCATION | L0005715 | VOLUME | 474821.909 | 3746079.331 | 498.21 |

KnoxBPWorker

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005716 | VOLUME | 474821.750 | 3746070.833 | 498.22 |
| LOCATION L0005717 | VOLUME | 474821.591 | 3746062.334 | 498.48 |
| LOCATION L0005718 | VOLUME | 474821.432 | 3746053.836 | 498.78 |
| LOCATION L0005719 | VOLUME | 474821.273 | 3746045.337 | 499.07 |
| LOCATION L0005720 | VOLUME | 474821.114 | 3746036.839 | 499.26 |
| LOCATION L0005721 | VOLUME | 474820.955 | 3746028.340 | 499.27 |
| LOCATION L0005722 | VOLUME | 474820.796 | 3746019.842 | 499.28 |
| LOCATION L0005723 | VOLUME | 474820.637 | 3746011.343 | 499.29 |
| LOCATION L0005724 | VOLUME | 474820.478 | 3746002.845 | 499.38 |

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

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE6

\*\* DESCRSRC On-Site Travel Building E (East Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 7.351E-06

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475022.016, 3746232.412, 489.79, 4.00, 3.95

\*\* 475017.538, 3745993.054, 491.56, 4.00, 3.95

\*\* -----

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005725 | VOLUME | 475021.937 | 3746228.162 | 489.89 |
| LOCATION L0005726 | VOLUME | 475021.778 | 3746219.664 | 489.87 |
| LOCATION L0005727 | VOLUME | 475021.619 | 3746211.165 | 489.61 |
| LOCATION L0005728 | VOLUME | 475021.460 | 3746202.667 | 489.35 |
| LOCATION L0005729 | VOLUME | 475021.301 | 3746194.168 | 489.09 |
| LOCATION L0005730 | VOLUME | 475021.142 | 3746185.670 | 489.11 |
| LOCATION L0005731 | VOLUME | 475020.983 | 3746177.171 | 489.39 |
| LOCATION L0005732 | VOLUME | 475020.824 | 3746168.673 | 489.68 |
| LOCATION L0005733 | VOLUME | 475020.665 | 3746160.174 | 489.97 |
| LOCATION L0005734 | VOLUME | 475020.506 | 3746151.676 | 489.71 |
| LOCATION L0005735 | VOLUME | 475020.347 | 3746143.177 | 489.43 |
| LOCATION L0005736 | VOLUME | 475020.188 | 3746134.679 | 489.15 |
| LOCATION L0005737 | VOLUME | 475020.029 | 3746126.180 | 489.13 |
| LOCATION L0005738 | VOLUME | 475019.870 | 3746117.682 | 489.41 |
| LOCATION L0005739 | VOLUME | 475019.711 | 3746109.183 | 489.70 |
| LOCATION L0005740 | VOLUME | 475019.552 | 3746100.685 | 489.99 |
| LOCATION L0005741 | VOLUME | 475019.393 | 3746092.186 | 490.02 |
| LOCATION L0005742 | VOLUME | 475019.234 | 3746083.688 | 490.03 |
| LOCATION L0005743 | VOLUME | 475019.075 | 3746075.189 | 490.03 |
| LOCATION L0005744 | VOLUME | 475018.916 | 3746066.691 | 490.04 |
| LOCATION L0005745 | VOLUME | 475018.757 | 3746058.192 | 490.06 |
| LOCATION L0005746 | VOLUME | 475018.598 | 3746049.694 | 490.08 |
| LOCATION L0005747 | VOLUME | 475018.439 | 3746041.195 | 490.10 |
| LOCATION L0005748 | VOLUME | 475018.280 | 3746032.697 | 490.34 |

KnoxBPWorker

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005749 | VOLUME | 475018.121 | 3746024.198 | 490.62 |
| LOCATION L0005750 | VOLUME | 475017.962 | 3746015.700 | 490.89 |
| LOCATION L0005751 | VOLUME | 475017.803 | 3746007.201 | 491.08 |
| LOCATION L0005752 | VOLUME | 475017.644 | 3745998.702 | 491.11 |

\*\* End of LINE VOLUME Source ID = SLINE6

\*\*

-----  
\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE7

\*\* DESCRSRC On-Site Travel Building D (West Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 9.292E-06

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475163.781, 3746230.017, 485.24, 4.00, 3.95

\*\* 475159.303, 3745990.660, 487.81, 4.00, 3.95

\*\*

-----  
LOCATION L0005753 VOLUME 475163.701 3746225.768 485.02  
LOCATION L0005754 VOLUME 475163.542 3746217.269 485.14  
LOCATION L0005755 VOLUME 475163.383 3746208.771 484.93  
LOCATION L0005756 VOLUME 475163.224 3746200.272 484.72  
LOCATION L0005757 VOLUME 475163.065 3746191.774 484.51  
LOCATION L0005758 VOLUME 475162.906 3746183.275 484.64  
LOCATION L0005759 VOLUME 475162.747 3746174.777 484.87  
LOCATION L0005760 VOLUME 475162.588 3746166.278 485.09  
LOCATION L0005761 VOLUME 475162.429 3746157.780 485.25  
LOCATION L0005762 VOLUME 475162.270 3746149.281 485.26  
LOCATION L0005763 VOLUME 475162.111 3746140.783 485.26  
LOCATION L0005764 VOLUME 475161.953 3746132.284 485.27  
LOCATION L0005765 VOLUME 475161.794 3746123.785 485.48  
LOCATION L0005766 VOLUME 475161.635 3746115.287 485.77  
LOCATION L0005767 VOLUME 475161.476 3746106.788 486.06  
LOCATION L0005768 VOLUME 475161.317 3746098.290 486.29  
LOCATION L0005769 VOLUME 475161.158 3746089.791 486.29  
LOCATION L0005770 VOLUME 475160.999 3746081.293 486.30  
LOCATION L0005771 VOLUME 475160.840 3746072.794 486.31  
LOCATION L0005772 VOLUME 475160.681 3746064.296 486.50  
LOCATION L0005773 VOLUME 475160.522 3746055.797 486.79  
LOCATION L0005774 VOLUME 475160.363 3746047.299 487.08  
LOCATION L0005775 VOLUME 475160.204 3746038.800 487.35  
LOCATION L0005776 VOLUME 475160.045 3746030.302 487.55  
LOCATION L0005777 VOLUME 475159.886 3746021.803 487.74  
LOCATION L0005778 VOLUME 475159.727 3746013.305 487.93  
LOCATION L0005779 VOLUME 475159.568 3746004.806 488.00  
LOCATION L0005780 VOLUME 475159.409 3745996.308 488.00

\*\* End of LINE VOLUME Source ID = SLINE7

KnoxBPWorker

\*\* -----  
\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE8  
\*\* DESCRSRC On-Site Travel Building D (East Side)  
\*\* PREFIX  
\*\* Length of Side = 8.50  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 9.292E-06  
\*\* Vertical Dimension = 4.00  
\*\* SZINIT = 1.86  
\*\* Nodes = 2  
\*\* 475392.233, 3746223.791, 477.76, 4.00, 3.95  
\*\* 475387.755, 3745984.434, 478.87, 4.00, 3.95  
\*\* -----

| LOCATION | VOLUME     | VOLUME      | VOLUME | VOLUME |
|----------|------------|-------------|--------|--------|
| L0005781 | 475392.153 | 3746219.541 | 477.59 |        |
| L0005782 | 475391.994 | 3746211.043 | 477.60 |        |
| L0005783 | 475391.835 | 3746202.544 | 477.61 |        |
| L0005784 | 475391.676 | 3746194.046 | 477.61 |        |
| L0005785 | 475391.517 | 3746185.547 | 477.56 |        |
| L0005786 | 475391.358 | 3746177.049 | 477.46 |        |
| L0005787 | 475391.200 | 3746168.550 | 477.36 |        |
| L0005788 | 475391.041 | 3746160.052 | 477.26 |        |
| L0005789 | 475390.882 | 3746151.553 | 477.27 |        |
| L0005790 | 475390.723 | 3746143.055 | 477.29 |        |
| L0005791 | 475390.564 | 3746134.556 | 477.30 |        |
| L0005792 | 475390.405 | 3746126.058 | 477.35 |        |
| L0005793 | 475390.246 | 3746117.559 | 477.46 |        |
| L0005794 | 475390.087 | 3746109.061 | 477.56 |        |
| L0005795 | 475389.928 | 3746100.562 | 477.66 |        |
| L0005796 | 475389.769 | 3746092.064 | 477.67 |        |
| L0005797 | 475389.610 | 3746083.565 | 477.68 |        |
| L0005798 | 475389.451 | 3746075.067 | 477.68 |        |
| L0005799 | 475389.292 | 3746066.568 | 477.69 |        |
| L0005800 | 475389.133 | 3746058.070 | 477.70 |        |
| L0005801 | 475388.974 | 3746049.571 | 477.70 |        |
| L0005802 | 475388.815 | 3746041.073 | 477.71 |        |
| L0005803 | 475388.656 | 3746032.574 | 477.96 |        |
| L0005804 | 475388.497 | 3746024.076 | 478.25 |        |
| L0005805 | 475388.338 | 3746015.577 | 478.54 |        |
| L0005806 | 475388.179 | 3746007.079 | 478.73 |        |
| L0005807 | 475388.020 | 3745998.580 | 478.73 |        |
| L0005808 | 475387.861 | 3745990.082 | 478.74 |        |

\*\* End of LINE VOLUME Source ID = SLINE8  
\*\* -----  
\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE9  
\*\* DESCRSRC Building E Dwy 1 to Harvill (25%)  
\*\* PREFIX

KnoxBPWorker

\*\* Length of Side = 8.50  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 0.00001664  
\*\* Vertical Dimension = 4.00  
\*\* SZINIT = 1.86  
\*\* Nodes = 3  
\*\* 474811.046, 3746313.771, 498.00, 4.00, 3.95  
\*\* 474811.046, 3746339.697, 497.98, 4.00, 3.95  
\*\* 475895.455, 3746345.333, 465.92, 4.00, 3.95

\*\* -----

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0005809 | VOLUME | 474811.046 | 3746318.021 | 498.22 |
| LOCATION | L0005810 | VOLUME | 474811.046 | 3746326.521 | 498.50 |
| LOCATION | L0005811 | VOLUME | 474811.046 | 3746335.021 | 498.77 |
| LOCATION | L0005812 | VOLUME | 474814.869 | 3746339.717 | 498.67 |
| LOCATION | L0005813 | VOLUME | 474823.369 | 3746339.761 | 498.10 |
| LOCATION | L0005814 | VOLUME | 474831.869 | 3746339.805 | 497.54 |
| LOCATION | L0005815 | VOLUME | 474840.369 | 3746339.850 | 496.99 |
| LOCATION | L0005816 | VOLUME | 474848.868 | 3746339.894 | 496.70 |
| LOCATION | L0005817 | VOLUME | 474857.368 | 3746339.938 | 496.42 |
| LOCATION | L0005818 | VOLUME | 474865.868 | 3746339.982 | 496.14 |
| LOCATION | L0005819 | VOLUME | 474874.368 | 3746340.026 | 495.85 |
| LOCATION | L0005820 | VOLUME | 474882.868 | 3746340.070 | 495.57 |
| LOCATION | L0005821 | VOLUME | 474891.368 | 3746340.115 | 495.29 |
| LOCATION | L0005822 | VOLUME | 474899.868 | 3746340.159 | 495.00 |
| LOCATION | L0005823 | VOLUME | 474908.368 | 3746340.203 | 494.71 |
| LOCATION | L0005824 | VOLUME | 474916.867 | 3746340.247 | 494.43 |
| LOCATION | L0005825 | VOLUME | 474925.367 | 3746340.291 | 494.14 |
| LOCATION | L0005826 | VOLUME | 474933.867 | 3746340.336 | 493.86 |
| LOCATION | L0005827 | VOLUME | 474942.367 | 3746340.380 | 493.58 |
| LOCATION | L0005828 | VOLUME | 474950.867 | 3746340.424 | 493.29 |
| LOCATION | L0005829 | VOLUME | 474959.367 | 3746340.468 | 493.01 |
| LOCATION | L0005830 | VOLUME | 474967.867 | 3746340.512 | 492.46 |
| LOCATION | L0005831 | VOLUME | 474976.367 | 3746340.556 | 491.90 |
| LOCATION | L0005832 | VOLUME | 474984.867 | 3746340.601 | 491.34 |
| LOCATION | L0005833 | VOLUME | 474993.366 | 3746340.645 | 490.89 |
| LOCATION | L0005834 | VOLUME | 475001.866 | 3746340.689 | 490.60 |
| LOCATION | L0005835 | VOLUME | 475010.366 | 3746340.733 | 490.32 |
| LOCATION | L0005836 | VOLUME | 475018.866 | 3746340.777 | 490.04 |
| LOCATION | L0005837 | VOLUME | 475027.366 | 3746340.821 | 489.75 |
| LOCATION | L0005838 | VOLUME | 475035.866 | 3746340.866 | 489.47 |
| LOCATION | L0005839 | VOLUME | 475044.366 | 3746340.910 | 489.19 |
| LOCATION | L0005840 | VOLUME | 475052.866 | 3746340.954 | 488.90 |
| LOCATION | L0005841 | VOLUME | 475061.366 | 3746340.998 | 488.62 |
| LOCATION | L0005842 | VOLUME | 475069.865 | 3746341.042 | 488.34 |
| LOCATION | L0005843 | VOLUME | 475078.365 | 3746341.087 | 488.05 |
| LOCATION | L0005844 | VOLUME | 475086.865 | 3746341.131 | 487.77 |
| LOCATION | L0005845 | VOLUME | 475095.365 | 3746341.175 | 487.49 |
| LOCATION | L0005846 | VOLUME | 475103.865 | 3746341.219 | 487.20 |



KnoxBPWorker

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005847 | VOLUME | 475112.365 | 3746341.263 | 486.84 |
| LOCATION L0005848 | VOLUME | 475120.865 | 3746341.307 | 486.28 |
| LOCATION L0005849 | VOLUME | 475129.365 | 3746341.352 | 485.71 |
| LOCATION L0005850 | VOLUME | 475137.864 | 3746341.396 | 485.14 |
| LOCATION L0005851 | VOLUME | 475146.364 | 3746341.440 | 484.79 |
| LOCATION L0005852 | VOLUME | 475154.864 | 3746341.484 | 484.50 |
| LOCATION L0005853 | VOLUME | 475163.364 | 3746341.528 | 484.22 |
| LOCATION L0005854 | VOLUME | 475171.864 | 3746341.573 | 483.94 |
| LOCATION L0005855 | VOLUME | 475180.364 | 3746341.617 | 483.65 |
| LOCATION L0005856 | VOLUME | 475188.864 | 3746341.661 | 483.37 |
| LOCATION L0005857 | VOLUME | 475197.364 | 3746341.705 | 483.09 |
| LOCATION L0005858 | VOLUME | 475205.864 | 3746341.749 | 482.80 |
| LOCATION L0005859 | VOLUME | 475214.363 | 3746341.793 | 482.52 |
| LOCATION L0005860 | VOLUME | 475222.863 | 3746341.838 | 482.24 |
| LOCATION L0005861 | VOLUME | 475231.363 | 3746341.882 | 481.95 |
| LOCATION L0005862 | VOLUME | 475239.863 | 3746341.926 | 481.67 |
| LOCATION L0005863 | VOLUME | 475248.363 | 3746341.970 | 481.39 |
| LOCATION L0005864 | VOLUME | 475256.863 | 3746342.014 | 481.10 |
| LOCATION L0005865 | VOLUME | 475265.363 | 3746342.058 | 480.81 |
| LOCATION L0005866 | VOLUME | 475273.863 | 3746342.103 | 480.51 |
| LOCATION L0005867 | VOLUME | 475282.363 | 3746342.147 | 480.20 |
| LOCATION L0005868 | VOLUME | 475290.862 | 3746342.191 | 479.87 |
| LOCATION L0005869 | VOLUME | 475299.362 | 3746342.235 | 479.32 |
| LOCATION L0005870 | VOLUME | 475307.862 | 3746342.279 | 478.78 |
| LOCATION L0005871 | VOLUME | 475316.362 | 3746342.324 | 478.23 |
| LOCATION L0005872 | VOLUME | 475324.862 | 3746342.368 | 477.68 |
| LOCATION L0005873 | VOLUME | 475333.362 | 3746342.412 | 477.11 |
| LOCATION L0005874 | VOLUME | 475341.862 | 3746342.456 | 476.54 |
| LOCATION L0005875 | VOLUME | 475350.362 | 3746342.500 | 476.00 |
| LOCATION L0005876 | VOLUME | 475358.862 | 3746342.544 | 475.97 |
| LOCATION L0005877 | VOLUME | 475367.361 | 3746342.589 | 475.95 |
| LOCATION L0005878 | VOLUME | 475375.861 | 3746342.633 | 475.92 |
| LOCATION L0005879 | VOLUME | 475384.361 | 3746342.677 | 475.91 |
| LOCATION L0005880 | VOLUME | 475392.861 | 3746342.721 | 475.91 |
| LOCATION L0005881 | VOLUME | 475401.361 | 3746342.765 | 475.91 |
| LOCATION L0005882 | VOLUME | 475409.861 | 3746342.810 | 475.91 |
| LOCATION L0005883 | VOLUME | 475418.361 | 3746342.854 | 475.65 |
| LOCATION L0005884 | VOLUME | 475426.861 | 3746342.898 | 475.40 |
| LOCATION L0005885 | VOLUME | 475435.360 | 3746342.942 | 475.14 |
| LOCATION L0005886 | VOLUME | 475443.860 | 3746342.986 | 474.87 |
| LOCATION L0005887 | VOLUME | 475452.360 | 3746343.030 | 474.59 |
| LOCATION L0005888 | VOLUME | 475460.860 | 3746343.075 | 474.30 |
| LOCATION L0005889 | VOLUME | 475469.360 | 3746343.119 | 474.02 |
| LOCATION L0005890 | VOLUME | 475477.860 | 3746343.163 | 473.97 |
| LOCATION L0005891 | VOLUME | 475486.360 | 3746343.207 | 473.94 |
| LOCATION L0005892 | VOLUME | 475494.860 | 3746343.251 | 473.91 |
| LOCATION L0005893 | VOLUME | 475503.360 | 3746343.295 | 473.79 |
| LOCATION L0005894 | VOLUME | 475511.859 | 3746343.340 | 473.54 |

KnoxBPWorker

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005895 | VOLUME | 475520.359 | 3746343.384 | 473.29 |
| LOCATION L0005896 | VOLUME | 475528.859 | 3746343.428 | 473.03 |
| LOCATION L0005897 | VOLUME | 475537.359 | 3746343.472 | 472.75 |
| LOCATION L0005898 | VOLUME | 475545.859 | 3746343.516 | 472.47 |
| LOCATION L0005899 | VOLUME | 475554.359 | 3746343.561 | 472.19 |
| LOCATION L0005900 | VOLUME | 475562.859 | 3746343.605 | 471.99 |
| LOCATION L0005901 | VOLUME | 475571.359 | 3746343.649 | 471.95 |
| LOCATION L0005902 | VOLUME | 475579.859 | 3746343.693 | 471.92 |
| LOCATION L0005903 | VOLUME | 475588.358 | 3746343.737 | 471.88 |
| LOCATION L0005904 | VOLUME | 475596.858 | 3746343.781 | 471.65 |
| LOCATION L0005905 | VOLUME | 475605.358 | 3746343.826 | 471.36 |
| LOCATION L0005906 | VOLUME | 475613.858 | 3746343.870 | 471.08 |
| LOCATION L0005907 | VOLUME | 475622.358 | 3746343.914 | 470.80 |
| LOCATION L0005908 | VOLUME | 475630.858 | 3746343.958 | 470.55 |
| LOCATION L0005909 | VOLUME | 475639.358 | 3746344.002 | 470.31 |
| LOCATION L0005910 | VOLUME | 475647.858 | 3746344.046 | 470.06 |
| LOCATION L0005911 | VOLUME | 475656.357 | 3746344.091 | 469.79 |
| LOCATION L0005912 | VOLUME | 475664.857 | 3746344.135 | 469.50 |
| LOCATION L0005913 | VOLUME | 475673.357 | 3746344.179 | 469.22 |
| LOCATION L0005914 | VOLUME | 475681.857 | 3746344.223 | 469.00 |
| LOCATION L0005915 | VOLUME | 475690.357 | 3746344.267 | 469.00 |
| LOCATION L0005916 | VOLUME | 475698.857 | 3746344.312 | 469.00 |
| LOCATION L0005917 | VOLUME | 475707.357 | 3746344.356 | 469.00 |
| LOCATION L0005918 | VOLUME | 475715.857 | 3746344.400 | 468.97 |
| LOCATION L0005919 | VOLUME | 475724.357 | 3746344.444 | 468.93 |
| LOCATION L0005920 | VOLUME | 475732.856 | 3746344.488 | 468.89 |
| LOCATION L0005921 | VOLUME | 475741.356 | 3746344.532 | 468.81 |
| LOCATION L0005922 | VOLUME | 475749.856 | 3746344.577 | 468.57 |
| LOCATION L0005923 | VOLUME | 475758.356 | 3746344.621 | 468.33 |
| LOCATION L0005924 | VOLUME | 475766.856 | 3746344.665 | 468.09 |
| LOCATION L0005925 | VOLUME | 475775.356 | 3746344.709 | 467.82 |
| LOCATION L0005926 | VOLUME | 475783.856 | 3746344.753 | 467.54 |
| LOCATION L0005927 | VOLUME | 475792.356 | 3746344.798 | 467.25 |
| LOCATION L0005928 | VOLUME | 475800.856 | 3746344.842 | 467.00 |
| LOCATION L0005929 | VOLUME | 475809.355 | 3746344.886 | 467.00 |
| LOCATION L0005930 | VOLUME | 475817.855 | 3746344.930 | 467.00 |
| LOCATION L0005931 | VOLUME | 475826.355 | 3746344.974 | 467.00 |
| LOCATION L0005932 | VOLUME | 475834.855 | 3746345.018 | 466.84 |
| LOCATION L0005933 | VOLUME | 475843.355 | 3746345.063 | 466.55 |
| LOCATION L0005934 | VOLUME | 475851.855 | 3746345.107 | 466.27 |
| LOCATION L0005935 | VOLUME | 475860.355 | 3746345.151 | 466.00 |
| LOCATION L0005936 | VOLUME | 475868.855 | 3746345.195 | 466.00 |
| LOCATION L0005937 | VOLUME | 475877.355 | 3746345.239 | 466.00 |
| LOCATION L0005938 | VOLUME | 475885.854 | 3746345.283 | 466.00 |
| LOCATION L0005939 | VOLUME | 475894.354 | 3746345.328 | 465.85 |

\*\* End of LINE VOLUME Source ID = SLINE9

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

KnoxBPWorker

\*\* LINE VOLUME Source ID = SLINE10  
 \*\* DESCRSRC Building E Dwy 3 to Harvill (25%)  
 \*\* PREFIX  
 \*\* Length of Side = 8.50  
 \*\* Configuration = Adjacent  
 \*\* Emission Rate = 0.00001348  
 \*\* Vertical Dimension = 4.00  
 \*\* SZINIT = 1.86  
 \*\* Nodes = 3  
 \*\* 475031.865, 3746312.683, 489.78, 4.00, 3.95  
 \*\* 475031.865, 3746340.371, 489.79, 4.00, 3.95  
 \*\* 475903.212, 3746346.390, 465.65, 4.00, 3.95

\*\* -----

| LOCATION | L0005940 | VOLUME | 475031.865 | 3746316.933 | 489.60 |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0005941 | VOLUME | 475031.865 | 3746325.433 | 489.60 |
| LOCATION | L0005942 | VOLUME | 475031.865 | 3746333.933 | 489.60 |
| LOCATION | L0005943 | VOLUME | 475033.927 | 3746340.385 | 489.54 |
| LOCATION | L0005944 | VOLUME | 475042.427 | 3746340.444 | 489.25 |
| LOCATION | L0005945 | VOLUME | 475050.926 | 3746340.503 | 488.97 |
| LOCATION | L0005946 | VOLUME | 475059.426 | 3746340.561 | 488.69 |
| LOCATION | L0005947 | VOLUME | 475067.926 | 3746340.620 | 488.40 |
| LOCATION | L0005948 | VOLUME | 475076.426 | 3746340.679 | 488.12 |
| LOCATION | L0005949 | VOLUME | 475084.926 | 3746340.738 | 487.84 |
| LOCATION | L0005950 | VOLUME | 475093.425 | 3746340.796 | 487.55 |
| LOCATION | L0005951 | VOLUME | 475101.925 | 3746340.855 | 487.27 |
| LOCATION | L0005952 | VOLUME | 475110.425 | 3746340.914 | 486.97 |
| LOCATION | L0005953 | VOLUME | 475118.925 | 3746340.972 | 486.40 |
| LOCATION | L0005954 | VOLUME | 475127.425 | 3746341.031 | 485.84 |
| LOCATION | L0005955 | VOLUME | 475135.924 | 3746341.090 | 485.27 |
| LOCATION | L0005956 | VOLUME | 475144.424 | 3746341.149 | 484.85 |
| LOCATION | L0005957 | VOLUME | 475152.924 | 3746341.207 | 484.57 |
| LOCATION | L0005958 | VOLUME | 475161.424 | 3746341.266 | 484.29 |
| LOCATION | L0005959 | VOLUME | 475169.924 | 3746341.325 | 484.00 |
| LOCATION | L0005960 | VOLUME | 475178.423 | 3746341.383 | 483.72 |
| LOCATION | L0005961 | VOLUME | 475186.923 | 3746341.442 | 483.44 |
| LOCATION | L0005962 | VOLUME | 475195.423 | 3746341.501 | 483.15 |
| LOCATION | L0005963 | VOLUME | 475203.923 | 3746341.560 | 482.87 |
| LOCATION | L0005964 | VOLUME | 475212.423 | 3746341.618 | 482.59 |
| LOCATION | L0005965 | VOLUME | 475220.922 | 3746341.677 | 482.30 |
| LOCATION | L0005966 | VOLUME | 475229.422 | 3746341.736 | 482.02 |
| LOCATION | L0005967 | VOLUME | 475237.922 | 3746341.794 | 481.74 |
| LOCATION | L0005968 | VOLUME | 475246.422 | 3746341.853 | 481.45 |
| LOCATION | L0005969 | VOLUME | 475254.922 | 3746341.912 | 481.17 |
| LOCATION | L0005970 | VOLUME | 475263.421 | 3746341.971 | 480.88 |
| LOCATION | L0005971 | VOLUME | 475271.921 | 3746342.029 | 480.58 |
| LOCATION | L0005972 | VOLUME | 475280.421 | 3746342.088 | 480.27 |
| LOCATION | L0005973 | VOLUME | 475288.921 | 3746342.147 | 479.97 |
| LOCATION | L0005974 | VOLUME | 475297.421 | 3746342.205 | 479.45 |

KnoxBPWorker

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005975 | VOLUME | 475305.920 | 3746342.264 | 478.90 |
| LOCATION L0005976 | VOLUME | 475314.420 | 3746342.323 | 478.36 |
| LOCATION L0005977 | VOLUME | 475322.920 | 3746342.382 | 477.81 |
| LOCATION L0005978 | VOLUME | 475331.420 | 3746342.440 | 477.24 |
| LOCATION L0005979 | VOLUME | 475339.920 | 3746342.499 | 476.67 |
| LOCATION L0005980 | VOLUME | 475348.419 | 3746342.558 | 476.11 |
| LOCATION L0005981 | VOLUME | 475356.919 | 3746342.617 | 475.98 |
| LOCATION L0005982 | VOLUME | 475365.419 | 3746342.675 | 475.95 |
| LOCATION L0005983 | VOLUME | 475373.919 | 3746342.734 | 475.93 |
| LOCATION L0005984 | VOLUME | 475382.419 | 3746342.793 | 475.91 |
| LOCATION L0005985 | VOLUME | 475390.918 | 3746342.851 | 475.90 |
| LOCATION L0005986 | VOLUME | 475399.418 | 3746342.910 | 475.90 |
| LOCATION L0005987 | VOLUME | 475407.918 | 3746342.969 | 475.90 |
| LOCATION L0005988 | VOLUME | 475416.418 | 3746343.028 | 475.71 |
| LOCATION L0005989 | VOLUME | 475424.918 | 3746343.086 | 475.45 |
| LOCATION L0005990 | VOLUME | 475433.417 | 3746343.145 | 475.20 |
| LOCATION L0005991 | VOLUME | 475441.917 | 3746343.204 | 474.94 |
| LOCATION L0005992 | VOLUME | 475450.417 | 3746343.262 | 474.65 |
| LOCATION L0005993 | VOLUME | 475458.917 | 3746343.321 | 474.37 |
| LOCATION L0005994 | VOLUME | 475467.417 | 3746343.380 | 474.09 |
| LOCATION L0005995 | VOLUME | 475475.916 | 3746343.439 | 473.98 |
| LOCATION L0005996 | VOLUME | 475484.416 | 3746343.497 | 473.94 |
| LOCATION L0005997 | VOLUME | 475492.916 | 3746343.556 | 473.91 |
| LOCATION L0005998 | VOLUME | 475501.416 | 3746343.615 | 473.84 |
| LOCATION L0005999 | VOLUME | 475509.916 | 3746343.673 | 473.59 |
| LOCATION L0006000 | VOLUME | 475518.415 | 3746343.732 | 473.34 |
| LOCATION L0006001 | VOLUME | 475526.915 | 3746343.791 | 473.09 |
| LOCATION L0006002 | VOLUME | 475535.415 | 3746343.850 | 472.82 |
| LOCATION L0006003 | VOLUME | 475543.915 | 3746343.908 | 472.54 |
| LOCATION L0006004 | VOLUME | 475552.415 | 3746343.967 | 472.25 |
| LOCATION L0006005 | VOLUME | 475560.914 | 3746344.026 | 472.00 |
| LOCATION L0006006 | VOLUME | 475569.414 | 3746344.084 | 471.96 |
| LOCATION L0006007 | VOLUME | 475577.914 | 3746344.143 | 471.92 |
| LOCATION L0006008 | VOLUME | 475586.414 | 3746344.202 | 471.88 |
| LOCATION L0006009 | VOLUME | 475594.914 | 3746344.261 | 471.69 |
| LOCATION L0006010 | VOLUME | 475603.413 | 3746344.319 | 471.41 |
| LOCATION L0006011 | VOLUME | 475611.913 | 3746344.378 | 471.12 |
| LOCATION L0006012 | VOLUME | 475620.413 | 3746344.437 | 470.84 |
| LOCATION L0006013 | VOLUME | 475628.913 | 3746344.495 | 470.60 |
| LOCATION L0006014 | VOLUME | 475637.413 | 3746344.554 | 470.36 |
| LOCATION L0006015 | VOLUME | 475645.912 | 3746344.613 | 470.12 |
| LOCATION L0006016 | VOLUME | 475654.412 | 3746344.672 | 469.85 |
| LOCATION L0006017 | VOLUME | 475662.912 | 3746344.730 | 469.57 |
| LOCATION L0006018 | VOLUME | 475671.412 | 3746344.789 | 469.29 |
| LOCATION L0006019 | VOLUME | 475679.911 | 3746344.848 | 469.00 |
| LOCATION L0006020 | VOLUME | 475688.411 | 3746344.906 | 469.00 |
| LOCATION L0006021 | VOLUME | 475696.911 | 3746344.965 | 469.00 |
| LOCATION L0006022 | VOLUME | 475705.411 | 3746345.024 | 469.00 |

KnoxBPWorker

| LOCATION | VOLUME     | Source ID | Value 1     | Value 2 | Value 3 |
|----------|------------|-----------|-------------|---------|---------|
| L0006023 | 475713.911 | SLINE10   | 3746345.083 | 468.98  |         |
| L0006024 | 475722.410 | SLINE10   | 3746345.141 | 468.93  |         |
| L0006025 | 475730.910 | SLINE10   | 3746345.200 | 468.88  |         |
| L0006026 | 475739.410 | SLINE10   | 3746345.259 | 468.83  |         |
| L0006027 | 475747.910 | SLINE10   | 3746345.317 | 468.61  |         |
| L0006028 | 475756.410 | SLINE10   | 3746345.376 | 468.37  |         |
| L0006029 | 475764.909 | SLINE10   | 3746345.435 | 468.14  |         |
| L0006030 | 475773.409 | SLINE10   | 3746345.494 | 467.89  |         |
| L0006031 | 475781.909 | SLINE10   | 3746345.552 | 467.60  |         |
| L0006032 | 475790.409 | SLINE10   | 3746345.611 | 467.32  |         |
| L0006033 | 475798.909 | SLINE10   | 3746345.670 | 467.04  |         |
| L0006034 | 475807.408 | SLINE10   | 3746345.728 | 467.00  |         |
| L0006035 | 475815.908 | SLINE10   | 3746345.787 | 467.00  |         |
| L0006036 | 475824.408 | SLINE10   | 3746345.846 | 467.00  |         |
| L0006037 | 475832.908 | SLINE10   | 3746345.905 | 466.90  |         |
| L0006038 | 475841.408 | SLINE10   | 3746345.963 | 466.62  |         |
| L0006039 | 475849.907 | SLINE10   | 3746346.022 | 466.34  |         |
| L0006040 | 475858.407 | SLINE10   | 3746346.081 | 466.05  |         |
| L0006041 | 475866.907 | SLINE10   | 3746346.139 | 466.00  |         |
| L0006042 | 475875.407 | SLINE10   | 3746346.198 | 466.00  |         |
| L0006043 | 475883.907 | SLINE10   | 3746346.257 | 466.00  |         |
| L0006044 | 475892.406 | SLINE10   | 3746346.316 | 465.92  |         |
| L0006045 | 475900.906 | SLINE10   | 3746346.374 | 465.64  |         |

\*\* End of LINE VOLUME Source ID = SLINE10

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE11

\*\* DESCRSRC Building D Dwy 4 to Harvill (25%)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00001498

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 3

\*\* 475148.123, 3746307.318, 485.03, 4.00, 3.95

\*\* 475148.123, 3746342.019, 485.01, 4.00, 3.95

\*\* 475904.142, 3746349.563, 465.61, 4.00, 3.95

\*\* -----

| LOCATION | VOLUME     | Source ID | Value 1     | Value 2 | Value 3 |
|----------|------------|-----------|-------------|---------|---------|
| L0006046 | 475148.123 | SLINE11   | 3746311.568 | 485.42  |         |
| L0006047 | 475148.123 | SLINE11   | 3746320.068 | 485.21  |         |
| L0006048 | 475148.123 | SLINE11   | 3746328.568 | 485.01  |         |
| L0006049 | 475148.123 | SLINE11   | 3746337.068 | 484.80  |         |
| L0006050 | 475151.671 | SLINE11   | 3746342.055 | 484.61  |         |
| L0006051 | 475160.171 | SLINE11   | 3746342.140 | 484.33  |         |
| L0006052 | 475168.670 | SLINE11   | 3746342.224 | 484.04  |         |
| L0006053 | 475177.170 | SLINE11   | 3746342.309 | 483.76  |         |
| L0006054 | 475185.670 | SLINE11   | 3746342.394 | 483.48  |         |

KnoxBPWorker

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0006055 | VOLUME | 475194.169 | 3746342.479 | 483.19 |
| LOCATION L0006056 | VOLUME | 475202.669 | 3746342.564 | 482.91 |
| LOCATION L0006057 | VOLUME | 475211.168 | 3746342.648 | 482.63 |
| LOCATION L0006058 | VOLUME | 475219.668 | 3746342.733 | 482.34 |
| LOCATION L0006059 | VOLUME | 475228.167 | 3746342.818 | 482.06 |
| LOCATION L0006060 | VOLUME | 475236.667 | 3746342.903 | 481.78 |
| LOCATION L0006061 | VOLUME | 475245.167 | 3746342.988 | 481.49 |
| LOCATION L0006062 | VOLUME | 475253.666 | 3746343.072 | 481.21 |
| LOCATION L0006063 | VOLUME | 475262.166 | 3746343.157 | 480.92 |
| LOCATION L0006064 | VOLUME | 475270.665 | 3746343.242 | 480.61 |
| LOCATION L0006065 | VOLUME | 475279.165 | 3746343.327 | 480.29 |
| LOCATION L0006066 | VOLUME | 475287.664 | 3746343.412 | 479.97 |
| LOCATION L0006067 | VOLUME | 475296.164 | 3746343.497 | 479.50 |
| LOCATION L0006068 | VOLUME | 475304.664 | 3746343.581 | 478.96 |
| LOCATION L0006069 | VOLUME | 475313.163 | 3746343.666 | 478.43 |
| LOCATION L0006070 | VOLUME | 475321.663 | 3746343.751 | 477.89 |
| LOCATION L0006071 | VOLUME | 475330.162 | 3746343.836 | 477.32 |
| LOCATION L0006072 | VOLUME | 475338.662 | 3746343.921 | 476.76 |
| LOCATION L0006073 | VOLUME | 475347.161 | 3746344.005 | 476.19 |
| LOCATION L0006074 | VOLUME | 475355.661 | 3746344.090 | 475.97 |
| LOCATION L0006075 | VOLUME | 475364.161 | 3746344.175 | 475.93 |
| LOCATION L0006076 | VOLUME | 475372.660 | 3746344.260 | 475.89 |
| LOCATION L0006077 | VOLUME | 475381.160 | 3746344.345 | 475.86 |
| LOCATION L0006078 | VOLUME | 475389.659 | 3746344.429 | 475.85 |
| LOCATION L0006079 | VOLUME | 475398.159 | 3746344.514 | 475.85 |
| LOCATION L0006080 | VOLUME | 475406.659 | 3746344.599 | 475.85 |
| LOCATION L0006081 | VOLUME | 475415.158 | 3746344.684 | 475.70 |
| LOCATION L0006082 | VOLUME | 475423.658 | 3746344.769 | 475.46 |
| LOCATION L0006083 | VOLUME | 475432.157 | 3746344.854 | 475.22 |
| LOCATION L0006084 | VOLUME | 475440.657 | 3746344.938 | 474.98 |
| LOCATION L0006085 | VOLUME | 475449.156 | 3746345.023 | 474.69 |
| LOCATION L0006086 | VOLUME | 475457.656 | 3746345.108 | 474.41 |
| LOCATION L0006087 | VOLUME | 475466.156 | 3746345.193 | 474.13 |
| LOCATION L0006088 | VOLUME | 475474.655 | 3746345.278 | 473.97 |
| LOCATION L0006089 | VOLUME | 475483.155 | 3746345.362 | 473.92 |
| LOCATION L0006090 | VOLUME | 475491.654 | 3746345.447 | 473.87 |
| LOCATION L0006091 | VOLUME | 475500.154 | 3746345.532 | 473.81 |
| LOCATION L0006092 | VOLUME | 475508.653 | 3746345.617 | 473.58 |
| LOCATION L0006093 | VOLUME | 475517.153 | 3746345.702 | 473.35 |
| LOCATION L0006094 | VOLUME | 475525.653 | 3746345.786 | 473.12 |
| LOCATION L0006095 | VOLUME | 475534.152 | 3746345.871 | 472.86 |
| LOCATION L0006096 | VOLUME | 475542.652 | 3746345.956 | 472.58 |
| LOCATION L0006097 | VOLUME | 475551.151 | 3746346.041 | 472.29 |
| LOCATION L0006098 | VOLUME | 475559.651 | 3746346.126 | 472.01 |
| LOCATION L0006099 | VOLUME | 475568.150 | 3746346.211 | 471.94 |
| LOCATION L0006100 | VOLUME | 475576.650 | 3746346.295 | 471.88 |
| LOCATION L0006101 | VOLUME | 475585.150 | 3746346.380 | 471.82 |
| LOCATION L0006102 | VOLUME | 475593.649 | 3746346.465 | 471.66 |

KnoxBPWorker

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0006103 | VOLUME | 475602.149 | 3746346.550 | 471.38 |
| LOCATION | L0006104 | VOLUME | 475610.648 | 3746346.635 | 471.09 |
| LOCATION | L0006105 | VOLUME | 475619.148 | 3746346.719 | 470.80 |
| LOCATION | L0006106 | VOLUME | 475627.648 | 3746346.804 | 470.58 |
| LOCATION | L0006107 | VOLUME | 475636.147 | 3746346.889 | 470.36 |
| LOCATION | L0006108 | VOLUME | 475644.647 | 3746346.974 | 470.14 |
| LOCATION | L0006109 | VOLUME | 475653.146 | 3746347.059 | 469.90 |
| LOCATION | L0006110 | VOLUME | 475661.646 | 3746347.143 | 469.61 |
| LOCATION | L0006111 | VOLUME | 475670.145 | 3746347.228 | 469.33 |
| LOCATION | L0006112 | VOLUME | 475678.645 | 3746347.313 | 469.05 |
| LOCATION | L0006113 | VOLUME | 475687.145 | 3746347.398 | 469.00 |
| LOCATION | L0006114 | VOLUME | 475695.644 | 3746347.483 | 469.00 |
| LOCATION | L0006115 | VOLUME | 475704.144 | 3746347.568 | 469.00 |
| LOCATION | L0006116 | VOLUME | 475712.643 | 3746347.652 | 468.98 |
| LOCATION | L0006117 | VOLUME | 475721.143 | 3746347.737 | 468.90 |
| LOCATION | L0006118 | VOLUME | 475729.642 | 3746347.822 | 468.83 |
| LOCATION | L0006119 | VOLUME | 475738.142 | 3746347.907 | 468.75 |
| LOCATION | L0006120 | VOLUME | 475746.642 | 3746347.992 | 468.57 |
| LOCATION | L0006121 | VOLUME | 475755.141 | 3746348.076 | 468.36 |
| LOCATION | L0006122 | VOLUME | 475763.641 | 3746348.161 | 468.15 |
| LOCATION | L0006123 | VOLUME | 475772.140 | 3746348.246 | 467.93 |
| LOCATION | L0006124 | VOLUME | 475780.640 | 3746348.331 | 467.65 |
| LOCATION | L0006125 | VOLUME | 475789.139 | 3746348.416 | 467.36 |
| LOCATION | L0006126 | VOLUME | 475797.639 | 3746348.500 | 467.08 |
| LOCATION | L0006127 | VOLUME | 475806.139 | 3746348.585 | 467.00 |
| LOCATION | L0006128 | VOLUME | 475814.638 | 3746348.670 | 467.00 |
| LOCATION | L0006129 | VOLUME | 475823.138 | 3746348.755 | 467.00 |
| LOCATION | L0006130 | VOLUME | 475831.637 | 3746348.840 | 466.95 |
| LOCATION | L0006131 | VOLUME | 475840.137 | 3746348.925 | 466.66 |
| LOCATION | L0006132 | VOLUME | 475848.637 | 3746349.009 | 466.38 |
| LOCATION | L0006133 | VOLUME | 475857.136 | 3746349.094 | 466.10 |
| LOCATION | L0006134 | VOLUME | 475865.636 | 3746349.179 | 466.00 |
| LOCATION | L0006135 | VOLUME | 475874.135 | 3746349.264 | 466.00 |
| LOCATION | L0006136 | VOLUME | 475882.635 | 3746349.349 | 466.00 |
| LOCATION | L0006137 | VOLUME | 475891.134 | 3746349.433 | 465.96 |
| LOCATION | L0006138 | VOLUME | 475899.634 | 3746349.518 | 465.68 |

\*\* End of LINE VOLUME Source ID = SLINE11

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE12

\*\* DESCRSRC Building D Dwy 6 to Harvill (25%)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 9.679E-06

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 3

KnoxBPWorker

\*\* 475441.004, 3746304.059, 475.29, 4.00, 3.95  
 \*\* 475441.004, 3746345.111, 475.00, 4.00, 3.95  
 \*\* 475910.727, 3746354.035, 465.40, 4.00, 3.95

\*\* -----

| LOCATION | VOLUME     |             |        |  |
|----------|------------|-------------|--------|--|
| L0006139 | 475441.004 | 3746308.309 | 474.97 |  |
| L0006140 | 475441.004 | 3746316.809 | 474.97 |  |
| L0006141 | 475441.004 | 3746325.309 | 474.97 |  |
| L0006142 | 475441.004 | 3746333.809 | 474.97 |  |
| L0006143 | 475441.004 | 3746342.309 | 474.97 |  |
| L0006144 | 475446.701 | 3746345.219 | 474.78 |  |
| L0006145 | 475455.199 | 3746345.381 | 474.49 |  |
| L0006146 | 475463.698 | 3746345.542 | 474.21 |  |
| L0006147 | 475472.196 | 3746345.704 | 473.99 |  |
| L0006148 | 475480.695 | 3746345.865 | 473.93 |  |
| L0006149 | 475489.193 | 3746346.027 | 473.87 |  |
| L0006150 | 475497.692 | 3746346.188 | 473.81 |  |
| L0006151 | 475506.190 | 3746346.349 | 473.63 |  |
| L0006152 | 475514.689 | 3746346.511 | 473.40 |  |
| L0006153 | 475523.187 | 3746346.672 | 473.18 |  |
| L0006154 | 475531.686 | 3746346.834 | 472.94 |  |
| L0006155 | 475540.184 | 3746346.995 | 472.66 |  |
| L0006156 | 475548.683 | 3746347.157 | 472.38 |  |
| L0006157 | 475557.181 | 3746347.318 | 472.09 |  |
| L0006158 | 475565.680 | 3746347.480 | 471.95 |  |
| L0006159 | 475574.178 | 3746347.641 | 471.88 |  |
| L0006160 | 475582.676 | 3746347.803 | 471.80 |  |
| L0006161 | 475591.175 | 3746347.964 | 471.70 |  |
| L0006162 | 475599.673 | 3746348.126 | 471.41 |  |
| L0006163 | 475608.172 | 3746348.287 | 471.12 |  |
| L0006164 | 475616.670 | 3746348.449 | 470.83 |  |
| L0006165 | 475625.169 | 3746348.610 | 470.59 |  |
| L0006166 | 475633.667 | 3746348.771 | 470.39 |  |
| L0006167 | 475642.166 | 3746348.933 | 470.18 |  |
| L0006168 | 475650.664 | 3746349.094 | 469.98 |  |
| L0006169 | 475659.163 | 3746349.256 | 469.69 |  |
| L0006170 | 475667.661 | 3746349.417 | 469.41 |  |
| L0006171 | 475676.160 | 3746349.579 | 469.13 |  |
| L0006172 | 475684.658 | 3746349.740 | 469.00 |  |
| L0006173 | 475693.157 | 3746349.902 | 469.00 |  |
| L0006174 | 475701.655 | 3746350.063 | 469.00 |  |
| L0006175 | 475710.153 | 3746350.225 | 469.00 |  |
| L0006176 | 475718.652 | 3746350.386 | 468.90 |  |
| L0006177 | 475727.150 | 3746350.548 | 468.80 |  |
| L0006178 | 475735.649 | 3746350.709 | 468.69 |  |
| L0006179 | 475744.147 | 3746350.871 | 468.55 |  |
| L0006180 | 475752.646 | 3746351.032 | 468.37 |  |
| L0006181 | 475761.144 | 3746351.193 | 468.19 |  |
| L0006182 | 475769.643 | 3746351.355 | 468.01 |  |



KnoxBPWorker

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0006183 | VOLUME | 475778.141 | 3746351.516 | 467.73 |
| LOCATION | L0006184 | VOLUME | 475786.640 | 3746351.678 | 467.45 |
| LOCATION | L0006185 | VOLUME | 475795.138 | 3746351.839 | 467.16 |
| LOCATION | L0006186 | VOLUME | 475803.637 | 3746352.001 | 467.00 |
| LOCATION | L0006187 | VOLUME | 475812.135 | 3746352.162 | 467.00 |
| LOCATION | L0006188 | VOLUME | 475820.634 | 3746352.324 | 467.00 |
| LOCATION | L0006189 | VOLUME | 475829.132 | 3746352.485 | 467.00 |
| LOCATION | L0006190 | VOLUME | 475837.630 | 3746352.647 | 466.75 |
| LOCATION | L0006191 | VOLUME | 475846.129 | 3746352.808 | 466.46 |
| LOCATION | L0006192 | VOLUME | 475854.627 | 3746352.970 | 466.18 |
| LOCATION | L0006193 | VOLUME | 475863.126 | 3746353.131 | 466.00 |
| LOCATION | L0006194 | VOLUME | 475871.624 | 3746353.293 | 466.00 |
| LOCATION | L0006195 | VOLUME | 475880.123 | 3746353.454 | 466.00 |
| LOCATION | L0006196 | VOLUME | 475888.621 | 3746353.615 | 466.00 |
| LOCATION | L0006197 | VOLUME | 475897.120 | 3746353.777 | 465.76 |
| LOCATION | L0006198 | VOLUME | 475905.618 | 3746353.938 | 465.48 |

\*\* End of LINE VOLUME Source ID = SLINE12

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE13

\*\* DESCRSRC South on Harvill (5%)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.609E-06

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475900.495, 3746348.753, 465.75, 4.00, 3.95

\*\* 475893.674, 3745874.683, 466.11, 4.00, 3.95

\*\*

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0006199 | VOLUME | 475900.434 | 3746344.503 | 465.65 |
| LOCATION | L0006200 | VOLUME | 475900.312 | 3746336.004 | 465.66 |
| LOCATION | L0006201 | VOLUME | 475900.190 | 3746327.505 | 465.66 |
| LOCATION | L0006202 | VOLUME | 475900.067 | 3746319.006 | 465.66 |
| LOCATION | L0006203 | VOLUME | 475899.945 | 3746310.507 | 465.67 |
| LOCATION | L0006204 | VOLUME | 475899.823 | 3746302.008 | 465.67 |
| LOCATION | L0006205 | VOLUME | 475899.701 | 3746293.509 | 465.68 |
| LOCATION | L0006206 | VOLUME | 475899.578 | 3746285.010 | 465.68 |
| LOCATION | L0006207 | VOLUME | 475899.456 | 3746276.511 | 465.68 |
| LOCATION | L0006208 | VOLUME | 475899.334 | 3746268.011 | 465.69 |
| LOCATION | L0006209 | VOLUME | 475899.211 | 3746259.512 | 465.69 |
| LOCATION | L0006210 | VOLUME | 475899.089 | 3746251.013 | 465.70 |
| LOCATION | L0006211 | VOLUME | 475898.967 | 3746242.514 | 465.78 |
| LOCATION | L0006212 | VOLUME | 475898.845 | 3746234.015 | 465.86 |
| LOCATION | L0006213 | VOLUME | 475898.722 | 3746225.516 | 465.95 |
| LOCATION | L0006214 | VOLUME | 475898.600 | 3746217.017 | 466.00 |
| LOCATION | L0006215 | VOLUME | 475898.478 | 3746208.518 | 466.00 |

KnoxBPWorker

| LOCATION | VOLUME     | Source ID | Value 1     | Value 2 | Value 3 |
|----------|------------|-----------|-------------|---------|---------|
| L0006216 | 475898.355 | SLINE13   | 3746200.018 | 466.00  |         |
| L0006217 | 475898.233 | SLINE13   | 3746191.519 | 466.00  |         |
| L0006218 | 475898.111 | SLINE13   | 3746183.020 | 466.00  |         |
| L0006219 | 475897.989 | SLINE13   | 3746174.521 | 466.00  |         |
| L0006220 | 475897.866 | SLINE13   | 3746166.022 | 466.00  |         |
| L0006221 | 475897.744 | SLINE13   | 3746157.523 | 466.06  |         |
| L0006222 | 475897.622 | SLINE13   | 3746149.024 | 466.27  |         |
| L0006223 | 475897.499 | SLINE13   | 3746140.525 | 466.49  |         |
| L0006224 | 475897.377 | SLINE13   | 3746132.025 | 466.70  |         |
| L0006225 | 475897.255 | SLINE13   | 3746123.526 | 466.76  |         |
| L0006226 | 475897.132 | SLINE13   | 3746115.027 | 466.76  |         |
| L0006227 | 475897.010 | SLINE13   | 3746106.528 | 466.77  |         |
| L0006228 | 475896.888 | SLINE13   | 3746098.029 | 466.79  |         |
| L0006229 | 475896.766 | SLINE13   | 3746089.530 | 466.85  |         |
| L0006230 | 475896.643 | SLINE13   | 3746081.031 | 466.92  |         |
| L0006231 | 475896.521 | SLINE13   | 3746072.532 | 466.98  |         |
| L0006232 | 475896.399 | SLINE13   | 3746064.032 | 467.00  |         |
| L0006233 | 475896.276 | SLINE13   | 3746055.533 | 467.00  |         |
| L0006234 | 475896.154 | SLINE13   | 3746047.034 | 467.00  |         |
| L0006235 | 475896.032 | SLINE13   | 3746038.535 | 467.00  |         |
| L0006236 | 475895.910 | SLINE13   | 3746030.036 | 467.00  |         |
| L0006237 | 475895.787 | SLINE13   | 3746021.537 | 467.00  |         |
| L0006238 | 475895.665 | SLINE13   | 3746013.038 | 467.00  |         |
| L0006239 | 475895.543 | SLINE13   | 3746004.539 | 466.97  |         |
| L0006240 | 475895.420 | SLINE13   | 3745996.040 | 466.92  |         |
| L0006241 | 475895.298 | SLINE13   | 3745987.540 | 466.87  |         |
| L0006242 | 475895.176 | SLINE13   | 3745979.041 | 466.80  |         |
| L0006243 | 475895.054 | SLINE13   | 3745970.542 | 466.57  |         |
| L0006244 | 475894.931 | SLINE13   | 3745962.043 | 466.34  |         |
| L0006245 | 475894.809 | SLINE13   | 3745953.544 | 466.10  |         |
| L0006246 | 475894.687 | SLINE13   | 3745945.045 | 466.00  |         |
| L0006247 | 475894.564 | SLINE13   | 3745936.546 | 466.00  |         |
| L0006248 | 475894.442 | SLINE13   | 3745928.047 | 466.00  |         |
| L0006249 | 475894.320 | SLINE13   | 3745919.547 | 466.00  |         |
| L0006250 | 475894.198 | SLINE13   | 3745911.048 | 466.00  |         |
| L0006251 | 475894.075 | SLINE13   | 3745902.549 | 466.00  |         |
| L0006252 | 475893.953 | SLINE13   | 3745894.050 | 466.00  |         |
| L0006253 | 475893.831 | SLINE13   | 3745885.551 | 466.00  |         |
| L0006254 | 475893.708 | SLINE13   | 3745877.052 | 466.00  |         |

\*\* End of LINE VOLUME Source ID = SLINE13

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE15

\*\* DESCRSRC Harvill to Harley Knox/215 Freeway (95%)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00005446

KnoxBPWorker

```

** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 21
** 475898.291, 3746349.880, 465.80, 4.00, 3.95
** 475897.244, 3746384.949, 465.78, 4.00, 3.95
** 475883.864, 3746430.490, 466.01, 4.00, 3.95
** 475857.363, 3746478.604, 466.35, 4.00, 3.95
** 475836.008, 3746502.018, 465.98, 4.00, 3.95
** 475773.541, 3746560.505, 467.08, 4.00, 3.95
** 475757.265, 3746583.418, 467.43, 4.00, 3.95
** 475747.784, 3746598.430, 467.74, 4.00, 3.95
** 475740.831, 3746612.810, 468.00, 4.00, 3.95
** 475735.458, 3746623.713, 468.27, 4.00, 3.95
** 475729.769, 3746641.412, 468.28, 4.00, 3.95
** 475724.397, 3746661.796, 468.61, 4.00, 3.95
** 475722.184, 3746677.756, 467.83, 4.00, 3.95
** 475721.394, 3746686.922, 467.87, 4.00, 3.95
** 475720.762, 3746705.884, 467.13, 4.00, 3.95
** 475721.078, 3746723.424, 467.23, 4.00, 3.95
** 475720.301, 3746747.676, 466.09, 4.00, 3.95
** 475758.266, 3746749.305, 466.09, 4.00, 3.95
** 475772.434, 3746749.008, 465.81, 4.00, 3.95
** 475792.326, 3746748.350, 465.42, 4.00, 3.95
** 476110.427, 3746752.643, 460.13, 4.00, 3.95

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** -----
LOCATION L0006255    VOLUME  475898.164 3746354.128 465.73
LOCATION L0006256    VOLUME  475897.910 3746362.624 465.74
LOCATION L0006257    VOLUME  475897.657 3746371.120 465.74
LOCATION L0006258    VOLUME  475897.403 3746379.616 465.75
LOCATION L0006259    VOLUME  475896.351 3746387.986 465.79
LOCATION L0006260    VOLUME  475893.956 3746396.141 465.87
LOCATION L0006261    VOLUME  475891.560 3746404.296 465.95
LOCATION L0006262    VOLUME  475889.164 3746412.452 466.00
LOCATION L0006263    VOLUME  475886.768 3746420.607 466.00
LOCATION L0006264    VOLUME  475884.372 3746428.762 466.00
LOCATION L0006265    VOLUME  475880.632 3746436.358 465.85
LOCATION L0006266    VOLUME  475876.531 3746443.803 465.75
LOCATION L0006267    VOLUME  475872.430 3746451.249 465.71
LOCATION L0006268    VOLUME  475868.329 3746458.694 465.73
LOCATION L0006269    VOLUME  475864.229 3746466.139 465.68
LOCATION L0006270    VOLUME  475860.128 3746473.585 465.54
LOCATION L0006271    VOLUME  475855.497 3746480.650 465.46
LOCATION L0006272    VOLUME  475849.769 3746486.930 465.44
LOCATION L0006273    VOLUME  475844.041 3746493.210 465.53
LOCATION L0006274    VOLUME  475838.313 3746499.491 465.72
LOCATION L0006275    VOLUME  475832.300 3746505.489 465.92
LOCATION L0006276    VOLUME  475826.095 3746511.299 466.04
LOCATION L0006277    VOLUME  475819.890 3746517.109 466.03

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KnoxBPWorker

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0006278 | VOLUME | 475813.685 | 3746522.918 | 466.05 |
| LOCATION L0006279 | VOLUME | 475807.480 | 3746528.728 | 466.22 |
| LOCATION L0006280 | VOLUME | 475801.276 | 3746534.537 | 466.46 |
| LOCATION L0006281 | VOLUME | 475795.071 | 3746540.347 | 466.73 |
| LOCATION L0006282 | VOLUME | 475788.866 | 3746546.156 | 466.92 |
| LOCATION L0006283 | VOLUME | 475782.661 | 3746551.966 | 467.00 |
| LOCATION L0006284 | VOLUME | 475776.457 | 3746557.775 | 467.00 |
| LOCATION L0006285 | VOLUME | 475770.932 | 3746564.179 | 467.00 |
| LOCATION L0006286 | VOLUME | 475766.009 | 3746571.108 | 467.13 |
| LOCATION L0006287 | VOLUME | 475761.087 | 3746578.038 | 467.30 |
| LOCATION L0006288 | VOLUME | 475756.250 | 3746585.025 | 467.46 |
| LOCATION L0006289 | VOLUME | 475751.711 | 3746592.212 | 467.61 |
| LOCATION L0006290 | VOLUME | 475747.285 | 3746599.461 | 467.76 |
| LOCATION L0006291 | VOLUME | 475743.585 | 3746607.113 | 467.88 |
| LOCATION L0006292 | VOLUME | 475739.870 | 3746614.759 | 468.00 |
| LOCATION L0006293 | VOLUME | 475736.113 | 3746622.383 | 468.13 |
| LOCATION L0006294 | VOLUME | 475733.311 | 3746630.394 | 468.22 |
| LOCATION L0006295 | VOLUME | 475730.710 | 3746638.486 | 468.31 |
| LOCATION L0006296 | VOLUME | 475728.386 | 3746646.660 | 468.17 |
| LOCATION L0006297 | VOLUME | 475726.220 | 3746654.879 | 467.96 |
| LOCATION L0006298 | VOLUME | 475724.212 | 3746663.130 | 467.76 |
| LOCATION L0006299 | VOLUME | 475723.045 | 3746671.549 | 467.54 |
| LOCATION L0006300 | VOLUME | 475721.992 | 3746679.982 | 467.40 |
| LOCATION L0006301 | VOLUME | 475721.343 | 3746688.455 | 467.24 |
| LOCATION L0006302 | VOLUME | 475721.060 | 3746696.951 | 467.06 |
| LOCATION L0006303 | VOLUME | 475720.777 | 3746705.446 | 466.82 |
| LOCATION L0006304 | VOLUME | 475720.907 | 3746713.944 | 466.54 |
| LOCATION L0006305 | VOLUME | 475721.061 | 3746722.443 | 466.25 |
| LOCATION L0006306 | VOLUME | 475720.837 | 3746730.939 | 466.00 |
| LOCATION L0006307 | VOLUME | 475720.565 | 3746739.434 | 466.00 |
| LOCATION L0006308 | VOLUME | 475720.554 | 3746747.687 | 466.00 |
| LOCATION L0006309 | VOLUME | 475729.046 | 3746748.052 | 466.00 |
| LOCATION L0006310 | VOLUME | 475737.539 | 3746748.416 | 466.00 |
| LOCATION L0006311 | VOLUME | 475746.031 | 3746748.780 | 466.00 |
| LOCATION L0006312 | VOLUME | 475754.523 | 3746749.144 | 466.00 |
| LOCATION L0006313 | VOLUME | 475763.019 | 3746749.205 | 466.00 |
| LOCATION L0006314 | VOLUME | 475771.517 | 3746749.027 | 465.92 |
| LOCATION L0006315 | VOLUME | 475780.012 | 3746748.757 | 465.46 |
| LOCATION L0006316 | VOLUME | 475788.508 | 3746748.476 | 465.00 |
| LOCATION L0006317 | VOLUME | 475797.005 | 3746748.413 | 464.55 |
| LOCATION L0006318 | VOLUME | 475805.504 | 3746748.528 | 464.20 |
| LOCATION L0006319 | VOLUME | 475814.004 | 3746748.642 | 463.91 |
| LOCATION L0006320 | VOLUME | 475822.503 | 3746748.757 | 463.62 |
| LOCATION L0006321 | VOLUME | 475831.002 | 3746748.872 | 463.37 |
| LOCATION L0006322 | VOLUME | 475839.501 | 3746748.987 | 463.37 |
| LOCATION L0006323 | VOLUME | 475848.000 | 3746749.101 | 463.36 |
| LOCATION L0006324 | VOLUME | 475856.500 | 3746749.216 | 463.36 |
| LOCATION L0006325 | VOLUME | 475864.999 | 3746749.331 | 463.30 |

KnoxBPWorker

|          |   |             |            |             |         |
|----------|---|-------------|------------|-------------|---------|
| LOCATION | L0006326                                      | VOLUME      | 475873.498 | 3746749.445 | 463.19  |
| LOCATION | L0006327                                      | VOLUME      | 475881.997 | 3746749.560 | 463.09  |
| LOCATION | L0006328                                      | VOLUME      | 475890.497 | 3746749.675 | 463.00  |
| LOCATION | L0006329                                      | VOLUME      | 475898.996 | 3746749.790 | 463.00  |
| LOCATION | L0006330                                      | VOLUME      | 475907.495 | 3746749.904 | 463.00  |
| LOCATION | L0006331                                      | VOLUME      | 475915.994 | 3746750.019 | 463.00  |
| LOCATION | L0006332                                      | VOLUME      | 475924.494 | 3746750.134 | 462.90  |
| LOCATION | L0006333                                      | VOLUME      | 475932.993 | 3746750.248 | 462.71  |
| LOCATION | L0006334                                      | VOLUME      | 475941.492 | 3746750.363 | 462.51  |
| LOCATION | L0006335                                      | VOLUME      | 475949.991 | 3746750.478 | 462.32  |
| LOCATION | L0006336                                      | VOLUME      | 475958.490 | 3746750.593 | 462.22  |
| LOCATION | L0006337                                      | VOLUME      | 475966.990 | 3746750.707 | 462.13  |
| LOCATION | L0006338                                      | VOLUME      | 475975.489 | 3746750.822 | 462.05  |
| LOCATION | L0006339                                      | VOLUME      | 475983.988 | 3746750.937 | 462.00  |
| LOCATION | L0006340                                      | VOLUME      | 475992.487 | 3746751.052 | 462.00  |
| LOCATION | L0006341                                      | VOLUME      | 476000.987 | 3746751.166 | 462.00  |
| LOCATION | L0006342                                      | VOLUME      | 476009.486 | 3746751.281 | 462.00  |
| LOCATION | L0006343                                      | VOLUME      | 476017.985 | 3746751.396 | 461.73  |
| LOCATION | L0006344                                      | VOLUME      | 476026.484 | 3746751.510 | 461.45  |
| LOCATION | L0006345                                      | VOLUME      | 476034.983 | 3746751.625 | 461.17  |
| LOCATION | L0006346                                      | VOLUME      | 476043.483 | 3746751.740 | 461.00  |
| LOCATION | L0006347                                      | VOLUME      | 476051.982 | 3746751.855 | 461.00  |
| LOCATION | L0006348                                      | VOLUME      | 476060.481 | 3746751.969 | 461.00  |
| LOCATION | L0006349                                      | VOLUME      | 476068.980 | 3746752.084 | 461.00  |
| LOCATION | L0006350                                      | VOLUME      | 476077.480 | 3746752.199 | 460.75  |
| LOCATION | L0006351                                      | VOLUME      | 476085.979 | 3746752.313 | 460.47  |
| LOCATION | L0006352                                      | VOLUME      | 476094.478 | 3746752.428 | 460.18  |
| LOCATION | L0006353                                      | VOLUME      | 476102.977 | 3746752.543 | 460.00  |
| **       | End of LINE VOLUME Source ID = SLINE15        |             |            |             |         |
| LOCATION | PAREA1  | AREAPOLY    | 474745.374 | 3746237.975 | 502.460 |
| **       | DESCRSRC Yard Tractors Building E (West Side) |             |            |             |         |
| LOCATION | PAREA2  | AREAPOLY    | 475006.383 | 3746235.194 | 490.450 |
| **       | DESCRSRC Yard Tractors Building E (East Side) |             |            |             |         |
| LOCATION | AREA1   | AREA        | 475113.660 | 3745988.060 | 487.360 |
| **       | DESCRSRC Yard Tractors Building E (West Side) |             |            |             |         |
| LOCATION | AREA2   | AREA        | 475380.860 | 3745968.940 | 478.610 |
| **       | DESCRSRC Yard Tractors Building D (East Side) |             |            |             |         |
| **       | Source Parameters **                          |             |            |             |         |
| **       | LINE VOLUME Source ID = SLINE1                |             |            |             |         |
| SRCPARAM | L0005585                                      | 0.000001125 | 4.00       | 3.95        | 1.86    |
| SRCPARAM | L0005586                                      | 0.000001125 | 4.00       | 3.95        | 1.86    |
| SRCPARAM | L0005587                                      | 0.000001125 | 4.00       | 3.95        | 1.86    |
| SRCPARAM | L0005588                                      | 0.000001125 | 4.00       | 3.95        | 1.86    |
| SRCPARAM | L0005589                                      | 0.000001125 | 4.00       | 3.95        | 1.86    |
| SRCPARAM | L0005590                                      | 0.000001125 | 4.00       | 3.95        | 1.86    |
| SRCPARAM | L0005591                                      | 0.000001125 | 4.00       | 3.95        | 1.86    |
| SRCPARAM | L0005592                                      | 0.000001125 | 4.00       | 3.95        | 1.86    |
| SRCPARAM | L0005593                                      | 0.000001125 | 4.00       | 3.95        | 1.86    |

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|          |          |             |      |      |      |
|----------|----------|-------------|------|------|------|
| SRCPARAM | L0005594 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005595 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005596 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005597 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005598 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005599 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005600 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005601 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005602 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005603 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005604 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005605 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005606 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005607 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005608 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005609 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005610 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005611 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005612 | 0.000001125 | 4.00 | 3.95 | 1.86 |

\*\*

\*\* LINE VOLUME Source ID = SLINE2

|          |          |             |      |      |      |
|----------|----------|-------------|------|------|------|
| SRCPARAM | L0005613 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005614 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005615 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005616 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005617 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005618 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005619 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005620 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005621 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005622 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005623 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005624 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005625 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005626 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005627 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005628 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005629 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005630 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005631 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005632 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005633 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005634 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005635 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005636 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005637 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005638 | 0.000001125 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005639 | 0.000001125 | 4.00 | 3.95 | 1.86 |

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|          |                                |             |      |      |      |
|----------|--------------------------------|-------------|------|------|------|
| SRCPARAM | L0005640                       | 0.000001125 | 4.00 | 3.95 | 1.86 |
| **       | -----                          |             |      |      |      |
| **       | LINE VOLUME Source ID = SLINE3 |             |      |      |      |
| SRCPARAM | L0005641                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005642                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005643                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005644                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005645                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005646                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005647                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005648                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005649                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005650                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005651                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005652                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005653                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005654                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005655                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005656                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005657                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005658                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005659                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005660                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005661                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005662                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005663                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005664                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005665                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005666                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005667                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005668                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| **       | -----                          |             |      |      |      |
| **       | LINE VOLUME Source ID = SLINE4 |             |      |      |      |
| SRCPARAM | L0005669                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005670                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005671                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005672                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005673                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005674                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005675                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005676                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005677                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005678                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005679                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005680                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005681                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005682                       | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005683                       | 0.000001421 | 4.00 | 3.95 | 1.86 |

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|                   |             |      |      |      |
|-------------------|-------------|------|------|------|
| SRCPARAM L0005684 | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005685 | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005686 | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005687 | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005688 | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005689 | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005690 | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005691 | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005692 | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005693 | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005694 | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005695 | 0.000001421 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005696 | 0.000001421 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE5

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005697 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005698 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005699 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005700 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005701 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005702 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005703 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005704 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005705 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005706 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005707 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005708 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005709 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005710 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005711 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005712 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005713 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005714 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005715 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005716 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005717 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005718 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005719 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005720 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005721 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005722 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005723 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005724 | 0.0000002625 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE6

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005725 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005726 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005727 | 0.0000002625 | 4.00 | 3.95 | 1.86 |



KnoxBPWorker

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005728 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005729 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005730 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005731 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005732 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005733 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005734 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005735 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005736 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005737 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005738 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005739 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005740 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005741 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005742 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005743 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005744 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005745 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005746 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005747 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005748 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005749 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005750 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005751 | 0.0000002625 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005752 | 0.0000002625 | 4.00 | 3.95 | 1.86 |

\*\*

\*\* LINE VOLUME Source ID = SLINE7

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005753 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005754 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005755 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005756 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005757 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005758 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005759 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005760 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005761 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005762 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005763 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005764 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005765 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005766 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005767 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005768 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005769 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005770 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005771 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005772 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005773 | 0.0000003319 | 4.00 | 3.95 | 1.86 |

KnoxBPWorker

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005774 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005775 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005776 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005777 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005778 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005779 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005780 | 0.0000003319 | 4.00 | 3.95 | 1.86 |

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 \*\* LINE VOLUME Source ID = SLINE8

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005781 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005782 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005783 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005784 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005785 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005786 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005787 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005788 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005789 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005790 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005791 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005792 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005793 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005794 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005795 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005796 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005797 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005798 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005799 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005800 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005801 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005802 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005803 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005804 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005805 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005806 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005807 | 0.0000003319 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005808 | 0.0000003319 | 4.00 | 3.95 | 1.86 |

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 \*\* LINE VOLUME Source ID = SLINE9

|                   |             |      |      |      |
|-------------------|-------------|------|------|------|
| SRCPARAM L0005809 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005810 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005811 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005812 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005813 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005814 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005815 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005816 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005817 | 0.000000127 | 4.00 | 3.95 | 1.86 |

KnoxBPWorker

|                   |             |      |      |      |
|-------------------|-------------|------|------|------|
| SRCPARAM L0005818 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005819 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005820 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005821 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005822 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005823 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005824 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005825 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005826 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005827 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005828 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005829 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005830 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005831 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005832 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005833 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005834 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005835 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005836 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005837 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005838 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005839 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005840 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005841 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005842 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005843 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005844 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005845 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005846 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005847 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005848 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005849 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005850 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005851 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005852 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005853 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005854 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005855 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005856 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005857 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005858 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005859 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005860 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005861 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005862 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005863 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005864 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005865 | 0.000000127 | 4.00 | 3.95 | 1.86 |



KnoxBPWorker

|                   |             |      |      |      |
|-------------------|-------------|------|------|------|
| SRCPARAM L0005914 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005915 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005916 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005917 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005918 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005919 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005920 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005921 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005922 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005923 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005924 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005925 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005926 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005927 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005928 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005929 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005930 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005931 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005932 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005933 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005934 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005935 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005936 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005937 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005938 | 0.000000127 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005939 | 0.000000127 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE10

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005940 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005941 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005942 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005943 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005944 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005945 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005946 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005947 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005948 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005949 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005950 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005951 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005952 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005953 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005954 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005955 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005956 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005957 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005958 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005959 | 0.0000001272 | 4.00 | 3.95 | 1.86 |



KnoxBPWorker

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0006008 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006009 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006010 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006011 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006012 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006013 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006014 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006015 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006016 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006017 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006018 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006019 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006020 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006021 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006022 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006023 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006024 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006025 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006026 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006027 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006028 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006029 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006030 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006031 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006032 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006033 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006034 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006035 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006036 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006037 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006038 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006039 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006040 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006041 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006042 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006043 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006044 | 0.0000001272 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006045 | 0.0000001272 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE11

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0006046 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006047 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006048 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006049 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006050 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006051 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006052 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006053 | 0.0000001611 | 4.00 | 3.95 | 1.86 |





KnoxBPWorker

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0006102 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006103 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006104 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006105 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006106 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006107 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006108 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006109 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006110 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006111 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006112 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006113 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006114 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006115 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006116 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006117 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006118 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006119 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006120 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006121 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006122 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006123 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006124 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006125 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006126 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006127 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006128 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006129 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006130 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006131 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006132 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006133 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006134 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006135 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006136 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006137 | 0.0000001611 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006138 | 0.0000001611 | 4.00 | 3.95 | 1.86 |

\*\*

\*\* LINE VOLUME Source ID = SLINE12

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0006139 | 0.0000001613 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006140 | 0.0000001613 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006141 | 0.0000001613 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006142 | 0.0000001613 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006143 | 0.0000001613 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006144 | 0.0000001613 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006145 | 0.0000001613 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006146 | 0.0000001613 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006147 | 0.0000001613 | 4.00 | 3.95 | 1.86 |



KnoxBPWorker

|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0006196 | 0.0000001613 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006197 | 0.0000001613 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006198 | 0.0000001613 | 4.00 | 3.95 | 1.86 |

\*\*

\*\* LINE VOLUME Source ID = SLINE13

|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0006199 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006200 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006201 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006202 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006203 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006204 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006205 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006206 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006207 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006208 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006209 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006210 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006211 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006212 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006213 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006214 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006215 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006216 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006217 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006218 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006219 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006220 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006221 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006222 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006223 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006224 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006225 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006226 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006227 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006228 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006229 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006230 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006231 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006232 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006233 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006234 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006235 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006236 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006237 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006238 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006239 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006240 | 0.0000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006241 | 0.0000002873 | 4.00 | 3.95 | 1.86 |

KnoxBPWorker

|          |          |               |      |      |      |
|----------|----------|---------------|------|------|------|
| SRCPARAM | L0006242 | 0.00000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006243 | 0.00000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006244 | 0.00000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006245 | 0.00000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006246 | 0.00000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006247 | 0.00000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006248 | 0.00000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006249 | 0.00000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006250 | 0.00000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006251 | 0.00000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006252 | 0.00000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006253 | 0.00000002873 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006254 | 0.00000002873 | 4.00 | 3.95 | 1.86 |

\*\*

\*\* LINE VOLUME Source ID = SLINE15

|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0006255 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006256 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006257 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006258 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006259 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006260 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006261 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006262 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006263 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006264 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006265 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006266 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006267 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006268 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006269 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006270 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006271 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006272 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006273 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006274 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006275 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006276 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006277 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006278 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006279 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006280 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006281 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006282 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006283 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006284 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006285 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006286 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006287 | 0.0000005501 | 4.00 | 3.95 | 1.86 |



KnoxBPWorker

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0006336 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006337 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006338 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006339 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006340 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006341 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006342 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006343 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006344 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006345 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006346 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006347 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006348 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006349 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006350 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006351 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006352 | 0.0000005501 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006353 | 0.0000005501 | 4.00 | 3.95 | 1.86 |

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|                 |            |             |            |             |       |
|-----------------|------------|-------------|------------|-------------|-------|
| SRCPARAM PAREA1 | 3.528E-09  | 3.900       | 9          | 1.800       |       |
| AREAVERT PAREA1 | 474745.374 | 3746237.975 | 474837.822 | 3746236.237 |       |
| AREAVERT PAREA1 | 474833.651 | 3745984.959 | 474785.342 | 3745986.349 |       |
| AREAVERT PAREA1 | 474780.129 | 3745991.910 | 474780.824 | 3746073.931 |       |
| AREAVERT PAREA1 | 474755.105 | 3746094.437 | 474744.679 | 3746095.479 |       |
| AREAVERT PAREA1 | 474745.374 | 3746239.365 |            |             |       |
| SRCPARAM PAREA2 | 5.0784E-09 | 3.900       | 9          | 1.800       |       |
| AREAVERT PAREA2 | 475006.383 | 3746235.194 | 475043.571 | 3746234.499 |       |
| AREAVERT PAREA2 | 475043.571 | 3746216.079 | 475062.686 | 3746215.036 |       |
| AREAVERT PAREA2 | 475060.254 | 3745995.385 | 475044.961 | 3745996.080 |       |
| AREAVERT PAREA2 | 475043.571 | 3745988.434 | 475007.426 | 3745989.824 |       |
| AREAVERT PAREA2 | 475004.298 | 3745990.867 |            |             |       |
| SRCPARAM AREA1  | 4.48E-09   | 3.900       | 59.076     | 255.832     | 0.337 |

1.800

|                |            |       |        |         |       |
|----------------|------------|-------|--------|---------|-------|
| SRCPARAM AREA2 | 3.3429E-09 | 3.900 | 75.775 | 267.300 | 0.263 |
|----------------|------------|-------|--------|---------|-------|

1.800

URBANSRC ALL  
SRCGROUP ALL

SO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Receptor Pathway

\*\*\*\*\*

\*\*

\*\*

RE STARTING  
INCLUDED KnoxBPWorker.rou

RE FINISHED

\*\*

KnoxBPWorker

\*\*\*\*\*

\*\* AERMOD Meteorology Pathway

\*\*\*\*\*

\*\*  
\*\*

ME STARTING

SURFFILE "..\SRA24\_Met Data\peri8.sfc"  
PROFFILE "..\SRA24\_Met Data\peri8.PFL"  
SURFDATA 3190 2007  
UAIRDATA 3190 2007  
SITEDATA 99999 2007  
PROFBASE 442.0 METERS

ME FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Output Pathway

\*\*\*\*\*

\*\*  
\*\*

OU STARTING

\*\* Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL KNOXBPWORKER.AD\AN00GALL.PLT 31  
SUMMFILE KnoxBPWorker.sum

OU FINISHED

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

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

A Total of                    0 Fatal Error Message(s)  
A Total of                    1 Warning Message(s)  
A Total of                    0 Informational Message(s)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

ME W531      1883            MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for  
SURFDATA

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

♀ \*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* C:\Lakes\AERMOD

KnoxBPWorker  
View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc \*\*\* 09/25/15  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
\*\*\* 10:38:18

PAGE 1  
\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* MODEL SETUP OPTIONS SUMMARY

\*\*\*

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

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

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

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

\*\*Model Uses URBAN Dispersion Algorithm for the SBL for 773 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 2100516.0 ; Urban Roughness Length = 1.000 m

\*\*Model Uses Regulatory DEFAULT Options:

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

\*\*Other Options Specified:

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: DPM

\*\*Model Calculates ANNUAL Averages Only

\*\*This Run Includes: 773 Source(s); 1 Source Group(s); and 18  
Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 769 VOLUME source(s)  
and: 4 AREA type source(s)



KnoxBPWorker  
and: 0 LINE source(s)  
and: 0 OPENPIT source(s)

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

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

\*\*Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor  
Model Outputs External File(s) of High Values for Plotting (PLOTFILE

Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE

Keyword)

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

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay  
Coef. = 0.000 ; Rot. Angle = 0.0  
Emission Units = GRAMS/SEC ;  
Emission Rate Unit Factor = 0.10000E+07  
Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 4.1 MB of RAM.

\*\*Detailed Error/Message File: KnoxBPWorker.err

\*\*File for Summary of Results: KnoxBPWorker.sum

♀ \*\*\* AERMOD - VERSION 15181 \*\*\* C:\Lakes\AERMOD  
View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc \*\*\* 09/25/15  
\*\*\* AERMET - VERSION 14134 \*\*\*  
\*\*\* 10:38:18

PAGE 2  
\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

KnoxBPWorker

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

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|          |   |             |          |           |       |      |      |
|----------|---|-------------|----------|-----------|-------|------|------|
| L0005585 | 0 | 0.11250E-05 | 474824.8 | 3746232.3 | 496.8 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005586 | 0 | 0.11250E-05 | 474824.6 | 3746223.8 | 497.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005587 | 0 | 0.11250E-05 | 474824.5 | 3746215.3 | 497.1 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005588 | 0 | 0.11250E-05 | 474824.3 | 3746206.8 | 497.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005589 | 0 | 0.11250E-05 | 474824.1 | 3746198.3 | 497.4 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005590 | 0 | 0.11250E-05 | 474824.0 | 3746189.8 | 497.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005591 | 0 | 0.11250E-05 | 474823.8 | 3746181.3 | 498.1 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005592 | 0 | 0.11250E-05 | 474823.7 | 3746172.8 | 498.7 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005593 | 0 | 0.11250E-05 | 474823.5 | 3746164.3 | 499.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005594 | 0 | 0.11250E-05 | 474823.3 | 3746155.8 | 499.4 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005595 | 0 | 0.11250E-05 | 474823.2 | 3746147.3 | 499.2 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005596 | 0 | 0.11250E-05 | 474823.0 | 3746138.8 | 498.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005597 | 0 | 0.11250E-05 | 474822.9 | 3746130.3 | 498.7 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005598 | 0 | 0.11250E-05 | 474822.7 | 3746121.8 | 498.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005599 | 0 | 0.11250E-05 | 474822.5 | 3746113.3 | 498.4 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005600 | 0 | 0.11250E-05 | 474822.4 | 3746104.8 | 498.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005601 | 0 | 0.11250E-05 | 474822.2 | 3746096.3 | 498.2 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005602 | 0 | 0.11250E-05 | 474822.1 | 3746087.8 | 498.2 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005603 | 0 | 0.11250E-05 | 474821.9 | 3746079.3 | 498.2 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005604 | 0 | 0.11250E-05 | 474821.8 | 3746070.8 | 498.2 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005605 | 0 | 0.11250E-05 | 474821.6 | 3746062.3 | 498.5 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005606 | 0 | 0.11250E-05 | 474821.4 | 3746053.8 | 498.8 | 4.00 | 3.95 |

KnoxBPWorker

|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005607 |     | 0 | 0.11250E-05 | 474821.3 | 3746045.3 | 499.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005608 |     | 0 | 0.11250E-05 | 474821.1 | 3746036.8 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005609 |     | 0 | 0.11250E-05 | 474821.0 | 3746028.3 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005610 |     | 0 | 0.11250E-05 | 474820.8 | 3746019.8 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005611 |     | 0 | 0.11250E-05 | 474820.6 | 3746011.3 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005612 |     | 0 | 0.11250E-05 | 474820.5 | 3746002.8 | 499.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005613 |     | 0 | 0.11250E-05 | 475021.9 | 3746228.2 | 489.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005614 |     | 0 | 0.11250E-05 | 475021.8 | 3746219.7 | 489.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005615 |     | 0 | 0.11250E-05 | 475021.6 | 3746211.2 | 489.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005616 |     | 0 | 0.11250E-05 | 475021.5 | 3746202.7 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005617 |     | 0 | 0.11250E-05 | 475021.3 | 3746194.2 | 489.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005618 |     | 0 | 0.11250E-05 | 475021.1 | 3746185.7 | 489.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005619 |     | 0 | 0.11250E-05 | 475021.0 | 3746177.2 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005620 |     | 0 | 0.11250E-05 | 475020.8 | 3746168.7 | 489.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005621 |     | 0 | 0.11250E-05 | 475020.7 | 3746160.2 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005622 |     | 0 | 0.11250E-05 | 475020.5 | 3746151.7 | 489.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005623 |     | 0 | 0.11250E-05 | 475020.3 | 3746143.2 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005624 |     | 0 | 0.11250E-05 | 475020.2 | 3746134.7 | 489.2 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 10:38:18

\*\*MODELOPTs: RegDEFAULT CONC PAGE 3  
 ELEV URBAN

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

KnoxBPWorker

| INIT.    | URBAN    | NUMBER   | EMISSION    | RATE        |           | BASE     | RELEASE  | INIT.    |          |
|----------|----------|----------|-------------|-------------|-----------|----------|----------|----------|----------|
| SZ       | SOURCE   | EMISSION | RATE        | (GRAMS/SEC) | X         | Y        | ELEV.    | HEIGHT   | SY       |
| (METERS) | ID       | SCALAR   | VARY        |             | (METERS)  | (METERS) | (METERS) | (METERS) | (METERS) |
|          |          | CATS.    | BY          |             |           |          |          |          |          |
|          | L0005625 | 0        | 0.11250E-05 | 475020.0    | 3746126.2 | 489.1    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005626 | 0        | 0.11250E-05 | 475019.9    | 3746117.7 | 489.4    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005627 | 0        | 0.11250E-05 | 475019.7    | 3746109.2 | 489.7    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005628 | 0        | 0.11250E-05 | 475019.6    | 3746100.7 | 490.0    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005629 | 0        | 0.11250E-05 | 475019.4    | 3746092.2 | 490.0    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005630 | 0        | 0.11250E-05 | 475019.2    | 3746083.7 | 490.0    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005631 | 0        | 0.11250E-05 | 475019.1    | 3746075.2 | 490.0    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005632 | 0        | 0.11250E-05 | 475018.9    | 3746066.7 | 490.0    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005633 | 0        | 0.11250E-05 | 475018.8    | 3746058.2 | 490.1    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005634 | 0        | 0.11250E-05 | 475018.6    | 3746049.7 | 490.1    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005635 | 0        | 0.11250E-05 | 475018.4    | 3746041.2 | 490.1    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005636 | 0        | 0.11250E-05 | 475018.3    | 3746032.7 | 490.3    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005637 | 0        | 0.11250E-05 | 475018.1    | 3746024.2 | 490.6    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005638 | 0        | 0.11250E-05 | 475018.0    | 3746015.7 | 490.9    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005639 | 0        | 0.11250E-05 | 475017.8    | 3746007.2 | 491.1    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005640 | 0        | 0.11250E-05 | 475017.6    | 3745998.7 | 491.1    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005641 | 0        | 0.14210E-05 | 475163.7    | 3746225.8 | 485.0    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005642 | 0        | 0.14210E-05 | 475163.5    | 3746217.3 | 485.1    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005643 | 0        | 0.14210E-05 | 475163.4    | 3746208.8 | 484.9    | 4.00     | 3.95     |          |
| 1.86     | YES      |          |             |             |           |          |          |          |          |
|          | L0005644 | 0        | 0.14210E-05 | 475163.2    | 3746200.3 | 484.7    | 4.00     | 3.95     |          |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005645 |     | 0 | 0.14210E-05 | 475163.1 | 3746191.8 | 484.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005646 |     | 0 | 0.14210E-05 | 475162.9 | 3746183.3 | 484.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005647 |     | 0 | 0.14210E-05 | 475162.7 | 3746174.8 | 484.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005648 |     | 0 | 0.14210E-05 | 475162.6 | 3746166.3 | 485.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005649 |     | 0 | 0.14210E-05 | 475162.4 | 3746157.8 | 485.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005650 |     | 0 | 0.14210E-05 | 475162.3 | 3746149.3 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005651 |     | 0 | 0.14210E-05 | 475162.1 | 3746140.8 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005652 |     | 0 | 0.14210E-05 | 475162.0 | 3746132.3 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005653 |     | 0 | 0.14210E-05 | 475161.8 | 3746123.8 | 485.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005654 |     | 0 | 0.14210E-05 | 475161.6 | 3746115.3 | 485.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005655 |     | 0 | 0.14210E-05 | 475161.5 | 3746106.8 | 486.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005656 |     | 0 | 0.14210E-05 | 475161.3 | 3746098.3 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005657 |     | 0 | 0.14210E-05 | 475161.2 | 3746089.8 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005658 |     | 0 | 0.14210E-05 | 475161.0 | 3746081.3 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005659 |     | 0 | 0.14210E-05 | 475160.8 | 3746072.8 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005660 |     | 0 | 0.14210E-05 | 475160.7 | 3746064.3 | 486.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005661 |     | 0 | 0.14210E-05 | 475160.5 | 3746055.8 | 486.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005662 |     | 0 | 0.14210E-05 | 475160.4 | 3746047.3 | 487.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005663 |     | 0 | 0.14210E-05 | 475160.2 | 3746038.8 | 487.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005664 |     | 0 | 0.14210E-05 | 475160.0 | 3746030.3 | 487.6 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
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 \*\*\* 10:38:18

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 ELEV URBAN

\*\*MODELOPTs: RegDEFAULT CONC

KnoxBPWorker

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

| INIT.    | URBAN  | NUMBER EMISSION RATE | EMISSION RATE |          | BASE      | RELEASE  | INIT.    |          |
|----------|--------|----------------------|---------------|----------|-----------|----------|----------|----------|
| SOURCE   | SOURCE | EMISSION RATE        | (GRAMS/SEC)   | X        | Y         | ELEV.    | HEIGHT   | SY       |
| SZ       | SOURCE | SCALAR VARY          |               | (METERS) | (METERS)  | (METERS) | (METERS) | (METERS) |
| ID       |        | CATS.                | BY            |          |           |          |          |          |
| (METERS) |        |                      |               |          |           |          |          |          |
| L0005665 |        | 0                    | 0.14210E-05   | 475159.9 | 3746021.8 | 487.7    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005666 |        | 0                    | 0.14210E-05   | 475159.7 | 3746013.3 | 487.9    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005667 |        | 0                    | 0.14210E-05   | 475159.6 | 3746004.8 | 488.0    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005668 |        | 0                    | 0.14210E-05   | 475159.4 | 3745996.3 | 488.0    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005669 |        | 0                    | 0.14210E-05   | 475392.2 | 3746219.5 | 477.6    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005670 |        | 0                    | 0.14210E-05   | 475392.0 | 3746211.0 | 477.6    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005671 |        | 0                    | 0.14210E-05   | 475391.8 | 3746202.5 | 477.6    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005672 |        | 0                    | 0.14210E-05   | 475391.7 | 3746194.0 | 477.6    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005673 |        | 0                    | 0.14210E-05   | 475391.5 | 3746185.5 | 477.6    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005674 |        | 0                    | 0.14210E-05   | 475391.4 | 3746177.0 | 477.5    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005675 |        | 0                    | 0.14210E-05   | 475391.2 | 3746168.5 | 477.4    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005676 |        | 0                    | 0.14210E-05   | 475391.0 | 3746160.1 | 477.3    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005677 |        | 0                    | 0.14210E-05   | 475390.9 | 3746151.6 | 477.3    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005678 |        | 0                    | 0.14210E-05   | 475390.7 | 3746143.1 | 477.3    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005679 |        | 0                    | 0.14210E-05   | 475390.6 | 3746134.6 | 477.3    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005680 |        | 0                    | 0.14210E-05   | 475390.4 | 3746126.1 | 477.4    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005681 |        | 0                    | 0.14210E-05   | 475390.2 | 3746117.6 | 477.5    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005682 |        | 0                    | 0.14210E-05   | 475390.1 | 3746109.1 | 477.6    | 4.00     | 3.95     |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005683 |     | 0 | 0.14210E-05 | 475389.9 | 3746100.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005684 |     | 0 | 0.14210E-05 | 475389.8 | 3746092.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005685 |     | 0 | 0.14210E-05 | 475389.6 | 3746083.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005686 |     | 0 | 0.14210E-05 | 475389.5 | 3746075.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005687 |     | 0 | 0.14210E-05 | 475389.3 | 3746066.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005688 |     | 0 | 0.14210E-05 | 475389.1 | 3746058.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005689 |     | 0 | 0.14210E-05 | 475389.0 | 3746049.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005690 |     | 0 | 0.14210E-05 | 475388.8 | 3746041.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005691 |     | 0 | 0.14210E-05 | 475388.7 | 3746032.6 | 478.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005692 |     | 0 | 0.14210E-05 | 475388.5 | 3746024.1 | 478.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005693 |     | 0 | 0.14210E-05 | 475388.3 | 3746015.6 | 478.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005694 |     | 0 | 0.14210E-05 | 475388.2 | 3746007.1 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005695 |     | 0 | 0.14210E-05 | 475388.0 | 3745998.6 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005696 |     | 0 | 0.14210E-05 | 475387.9 | 3745990.1 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005697 |     | 0 | 0.26250E-06 | 474824.8 | 3746232.3 | 496.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005698 |     | 0 | 0.26250E-06 | 474824.6 | 3746223.8 | 497.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005699 |     | 0 | 0.26250E-06 | 474824.5 | 3746215.3 | 497.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005700 |     | 0 | 0.26250E-06 | 474824.3 | 3746206.8 | 497.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005701 |     | 0 | 0.26250E-06 | 474824.1 | 3746198.3 | 497.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005702 |     | 0 | 0.26250E-06 | 474824.0 | 3746189.8 | 497.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005703 |     | 0 | 0.26250E-06 | 474823.8 | 3746181.3 | 498.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005704 |     | 0 | 0.26250E-06 | 474823.7 | 3746172.8 | 498.7 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*

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ELEV URBAN

\*\*MODELOPTs: RegDEFAULT CONC

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

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE        |           | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------|-------------|-------------|-----------|----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | PART.       | (GRAMS/SEC) | X         | Y        | ELEV.    | HEIGHT   | SY       |
| ID       | SCALAR | VARY     | CATS.       | BY          | (METERS)  | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) |        |          |             |             |           |          |          |          |          |
| L0005705 |        | 0        | 0.26250E-06 | 474823.5    | 3746164.3 | 499.3    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005706 |        | 0        | 0.26250E-06 | 474823.3    | 3746155.8 | 499.4    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005707 |        | 0        | 0.26250E-06 | 474823.2    | 3746147.3 | 499.2    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005708 |        | 0        | 0.26250E-06 | 474823.0    | 3746138.8 | 498.9    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005709 |        | 0        | 0.26250E-06 | 474822.9    | 3746130.3 | 498.7    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005710 |        | 0        | 0.26250E-06 | 474822.7    | 3746121.8 | 498.6    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005711 |        | 0        | 0.26250E-06 | 474822.5    | 3746113.3 | 498.4    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005712 |        | 0        | 0.26250E-06 | 474822.4    | 3746104.8 | 498.3    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005713 |        | 0        | 0.26250E-06 | 474822.2    | 3746096.3 | 498.2    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005714 |        | 0        | 0.26250E-06 | 474822.1    | 3746087.8 | 498.2    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005715 |        | 0        | 0.26250E-06 | 474821.9    | 3746079.3 | 498.2    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005716 |        | 0        | 0.26250E-06 | 474821.8    | 3746070.8 | 498.2    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005717 |        | 0        | 0.26250E-06 | 474821.6    | 3746062.3 | 498.5    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005718 |        | 0        | 0.26250E-06 | 474821.4    | 3746053.8 | 498.8    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005719 |        | 0        | 0.26250E-06 | 474821.3    | 3746045.3 | 499.1    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005720 |        | 0        | 0.26250E-06 | 474821.1    | 3746036.8 | 499.3    | 4.00     | 3.95     |          |



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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005721 |     | 0 | 0.26250E-06 | 474821.0 | 3746028.3 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005722 |     | 0 | 0.26250E-06 | 474820.8 | 3746019.8 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005723 |     | 0 | 0.26250E-06 | 474820.6 | 3746011.3 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005724 |     | 0 | 0.26250E-06 | 474820.5 | 3746002.8 | 499.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005725 |     | 0 | 0.26250E-06 | 475021.9 | 3746228.2 | 489.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005726 |     | 0 | 0.26250E-06 | 475021.8 | 3746219.7 | 489.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005727 |     | 0 | 0.26250E-06 | 475021.6 | 3746211.2 | 489.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005728 |     | 0 | 0.26250E-06 | 475021.5 | 3746202.7 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005729 |     | 0 | 0.26250E-06 | 475021.3 | 3746194.2 | 489.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005730 |     | 0 | 0.26250E-06 | 475021.1 | 3746185.7 | 489.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005731 |     | 0 | 0.26250E-06 | 475021.0 | 3746177.2 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005732 |     | 0 | 0.26250E-06 | 475020.8 | 3746168.7 | 489.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005733 |     | 0 | 0.26250E-06 | 475020.7 | 3746160.2 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005734 |     | 0 | 0.26250E-06 | 475020.5 | 3746151.7 | 489.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005735 |     | 0 | 0.26250E-06 | 475020.3 | 3746143.2 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005736 |     | 0 | 0.26250E-06 | 475020.2 | 3746134.7 | 489.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005737 |     | 0 | 0.26250E-06 | 475020.0 | 3746126.2 | 489.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005738 |     | 0 | 0.26250E-06 | 475019.9 | 3746117.7 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005739 |     | 0 | 0.26250E-06 | 475019.7 | 3746109.2 | 489.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005740 |     | 0 | 0.26250E-06 | 475019.6 | 3746100.7 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005741 |     | 0 | 0.26250E-06 | 475019.4 | 3746092.2 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005742 |     | 0 | 0.26250E-06 | 475019.2 | 3746083.7 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005743 |     | 0 | 0.26250E-06 | 475019.1 | 3746075.2 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005744 |     | 0 | 0.26250E-06 | 475018.9 | 3746066.7 | 490.0 | 4.00 | 3.95 |

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1.86 YES

♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
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\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE     | BASE      | RELEASE  | INIT.    |
|----------|--------|----------|-------------|----------|-----------|----------|----------|
| SZ       | SOURCE | EMISSION | RATE        |          | ELEV.     | HEIGHT   | SY       |
| ID       | SOURCE | SCALAR   | (GRAMS/SEC) | X        | Y         | (METERS) | (METERS) |
| (METERS) |        | CATS.    | VARY        | (METERS) | (METERS)  | (METERS) | (METERS) |
|          |        | BY       |             |          |           |          |          |
| L0005745 |        | 0        | 0.26250E-06 | 475018.8 | 3746058.2 | 490.1    | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |
| L0005746 |        | 0        | 0.26250E-06 | 475018.6 | 3746049.7 | 490.1    | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |
| L0005747 |        | 0        | 0.26250E-06 | 475018.4 | 3746041.2 | 490.1    | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |
| L0005748 |        | 0        | 0.26250E-06 | 475018.3 | 3746032.7 | 490.3    | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |
| L0005749 |        | 0        | 0.26250E-06 | 475018.1 | 3746024.2 | 490.6    | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |
| L0005750 |        | 0        | 0.26250E-06 | 475018.0 | 3746015.7 | 490.9    | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |
| L0005751 |        | 0        | 0.26250E-06 | 475017.8 | 3746007.2 | 491.1    | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |
| L0005752 |        | 0        | 0.26250E-06 | 475017.6 | 3745998.7 | 491.1    | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |
| L0005753 |        | 0        | 0.33190E-06 | 475163.7 | 3746225.8 | 485.0    | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |
| L0005754 |        | 0        | 0.33190E-06 | 475163.5 | 3746217.3 | 485.1    | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |
| L0005755 |        | 0        | 0.33190E-06 | 475163.4 | 3746208.8 | 484.9    | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |
| L0005756 |        | 0        | 0.33190E-06 | 475163.2 | 3746200.3 | 484.7    | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |
| L0005757 |        | 0        | 0.33190E-06 | 475163.1 | 3746191.8 | 484.5    | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |
| L0005758 |        | 0        | 0.33190E-06 | 475162.9 | 3746183.3 | 484.6    | 3.95     |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005759 |     | 0 | 0.33190E-06 | 475162.7 | 3746174.8 | 484.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005760 |     | 0 | 0.33190E-06 | 475162.6 | 3746166.3 | 485.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005761 |     | 0 | 0.33190E-06 | 475162.4 | 3746157.8 | 485.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005762 |     | 0 | 0.33190E-06 | 475162.3 | 3746149.3 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005763 |     | 0 | 0.33190E-06 | 475162.1 | 3746140.8 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005764 |     | 0 | 0.33190E-06 | 475162.0 | 3746132.3 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005765 |     | 0 | 0.33190E-06 | 475161.8 | 3746123.8 | 485.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005766 |     | 0 | 0.33190E-06 | 475161.6 | 3746115.3 | 485.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005767 |     | 0 | 0.33190E-06 | 475161.5 | 3746106.8 | 486.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005768 |     | 0 | 0.33190E-06 | 475161.3 | 3746098.3 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005769 |     | 0 | 0.33190E-06 | 475161.2 | 3746089.8 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005770 |     | 0 | 0.33190E-06 | 475161.0 | 3746081.3 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005771 |     | 0 | 0.33190E-06 | 475160.8 | 3746072.8 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005772 |     | 0 | 0.33190E-06 | 475160.7 | 3746064.3 | 486.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005773 |     | 0 | 0.33190E-06 | 475160.5 | 3746055.8 | 486.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005774 |     | 0 | 0.33190E-06 | 475160.4 | 3746047.3 | 487.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005775 |     | 0 | 0.33190E-06 | 475160.2 | 3746038.8 | 487.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005776 |     | 0 | 0.33190E-06 | 475160.0 | 3746030.3 | 487.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005777 |     | 0 | 0.33190E-06 | 475159.9 | 3746021.8 | 487.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005778 |     | 0 | 0.33190E-06 | 475159.7 | 3746013.3 | 487.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005779 |     | 0 | 0.33190E-06 | 475159.6 | 3746004.8 | 488.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005780 |     | 0 | 0.33190E-06 | 475159.4 | 3745996.3 | 488.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005781 |     | 0 | 0.33190E-06 | 475392.2 | 3746219.5 | 477.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005782 |     | 0 | 0.33190E-06 | 475392.0 | 3746211.0 | 477.6 | 4.00 | 3.95 |

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1.86 YES  
 L0005783 0 0.33190E-06 475391.8 3746202.5 477.6 4.00 3.95

1.86 YES  
 L0005784 0 0.33190E-06 475391.7 3746194.0 477.6 4.00 3.95

1.86 YES

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\*\*MODELOPTs: RegDFault CONC ELEV URBAN

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

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

L0005785 0 0.33190E-06 475391.5 3746185.5 477.6 4.00 3.95

1.86 YES

L0005786 0 0.33190E-06 475391.4 3746177.0 477.5 4.00 3.95

1.86 YES

L0005787 0 0.33190E-06 475391.2 3746168.5 477.4 4.00 3.95

1.86 YES

L0005788 0 0.33190E-06 475391.0 3746160.1 477.3 4.00 3.95

1.86 YES

L0005789 0 0.33190E-06 475390.9 3746151.6 477.3 4.00 3.95

1.86 YES

L0005790 0 0.33190E-06 475390.7 3746143.1 477.3 4.00 3.95

1.86 YES

L0005791 0 0.33190E-06 475390.6 3746134.6 477.3 4.00 3.95

1.86 YES

L0005792 0 0.33190E-06 475390.4 3746126.1 477.4 4.00 3.95

1.86 YES

L0005793 0 0.33190E-06 475390.2 3746117.6 477.5 4.00 3.95

1.86 YES

L0005794 0 0.33190E-06 475390.1 3746109.1 477.6 4.00 3.95

1.86 YES

L0005795 0 0.33190E-06 475389.9 3746100.6 477.7 4.00 3.95

1.86 YES

L0005796 0 0.33190E-06 475389.8 3746092.1 477.7 4.00 3.95

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005797 |     | 0 | 0.33190E-06 | 475389.6 | 3746083.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005798 |     | 0 | 0.33190E-06 | 475389.5 | 3746075.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005799 |     | 0 | 0.33190E-06 | 475389.3 | 3746066.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005800 |     | 0 | 0.33190E-06 | 475389.1 | 3746058.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005801 |     | 0 | 0.33190E-06 | 475389.0 | 3746049.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005802 |     | 0 | 0.33190E-06 | 475388.8 | 3746041.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005803 |     | 0 | 0.33190E-06 | 475388.7 | 3746032.6 | 478.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005804 |     | 0 | 0.33190E-06 | 475388.5 | 3746024.1 | 478.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005805 |     | 0 | 0.33190E-06 | 475388.3 | 3746015.6 | 478.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005806 |     | 0 | 0.33190E-06 | 475388.2 | 3746007.1 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005807 |     | 0 | 0.33190E-06 | 475388.0 | 3745998.6 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005808 |     | 0 | 0.33190E-06 | 475387.9 | 3745990.1 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005809 |     | 0 | 0.12700E-06 | 474811.0 | 3746318.0 | 498.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005810 |     | 0 | 0.12700E-06 | 474811.0 | 3746326.5 | 498.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005811 |     | 0 | 0.12700E-06 | 474811.0 | 3746335.0 | 498.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005812 |     | 0 | 0.12700E-06 | 474814.9 | 3746339.7 | 498.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005813 |     | 0 | 0.12700E-06 | 474823.4 | 3746339.8 | 498.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005814 |     | 0 | 0.12700E-06 | 474831.9 | 3746339.8 | 497.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005815 |     | 0 | 0.12700E-06 | 474840.4 | 3746339.8 | 497.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005816 |     | 0 | 0.12700E-06 | 474848.9 | 3746339.9 | 496.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005817 |     | 0 | 0.12700E-06 | 474857.4 | 3746339.9 | 496.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005818 |     | 0 | 0.12700E-06 | 474865.9 | 3746340.0 | 496.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005819 |     | 0 | 0.12700E-06 | 474874.4 | 3746340.0 | 495.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005820 |     | 0 | 0.12700E-06 | 474882.9 | 3746340.1 | 495.6 | 4.00 | 3.95 |

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1.86 YES  
 L0005821 0 0.12700E-06 474891.4 3746340.1 495.3 4.00 3.95  
 1.86 YES  
 L0005822 0 0.12700E-06 474899.9 3746340.2 495.0 4.00 3.95  
 1.86 YES  
 L0005823 0 0.12700E-06 474908.4 3746340.2 494.7 4.00 3.95  
 1.86 YES  
 L0005824 0 0.12700E-06 474916.9 3746340.2 494.4 4.00 3.95

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

-----  
 L0005825 0 0.12700E-06 474925.4 3746340.3 494.1 4.00 3.95  
 1.86 YES  
 L0005826 0 0.12700E-06 474933.9 3746340.3 493.9 4.00 3.95  
 1.86 YES  
 L0005827 0 0.12700E-06 474942.4 3746340.4 493.6 4.00 3.95  
 1.86 YES  
 L0005828 0 0.12700E-06 474950.9 3746340.4 493.3 4.00 3.95  
 1.86 YES  
 L0005829 0 0.12700E-06 474959.4 3746340.5 493.0 4.00 3.95  
 1.86 YES  
 L0005830 0 0.12700E-06 474967.9 3746340.5 492.5 4.00 3.95  
 1.86 YES  
 L0005831 0 0.12700E-06 474976.4 3746340.6 491.9 4.00 3.95  
 1.86 YES  
 L0005832 0 0.12700E-06 474984.9 3746340.6 491.3 4.00 3.95  
 1.86 YES  
 L0005833 0 0.12700E-06 474993.4 3746340.6 490.9 4.00 3.95  
 1.86 YES  
 L0005834 0 0.12700E-06 475001.9 3746340.7 490.6 4.00 3.95

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005835 |     | 0 | 0.12700E-06 | 475010.4 | 3746340.7 | 490.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005836 |     | 0 | 0.12700E-06 | 475018.9 | 3746340.8 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005837 |     | 0 | 0.12700E-06 | 475027.4 | 3746340.8 | 489.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005838 |     | 0 | 0.12700E-06 | 475035.9 | 3746340.9 | 489.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005839 |     | 0 | 0.12700E-06 | 475044.4 | 3746340.9 | 489.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005840 |     | 0 | 0.12700E-06 | 475052.9 | 3746341.0 | 488.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005841 |     | 0 | 0.12700E-06 | 475061.4 | 3746341.0 | 488.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005842 |     | 0 | 0.12700E-06 | 475069.9 | 3746341.0 | 488.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005843 |     | 0 | 0.12700E-06 | 475078.4 | 3746341.1 | 488.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005844 |     | 0 | 0.12700E-06 | 475086.9 | 3746341.1 | 487.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005845 |     | 0 | 0.12700E-06 | 475095.4 | 3746341.2 | 487.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005846 |     | 0 | 0.12700E-06 | 475103.9 | 3746341.2 | 487.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005847 |     | 0 | 0.12700E-06 | 475112.4 | 3746341.3 | 486.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005848 |     | 0 | 0.12700E-06 | 475120.9 | 3746341.3 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005849 |     | 0 | 0.12700E-06 | 475129.4 | 3746341.4 | 485.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005850 |     | 0 | 0.12700E-06 | 475137.9 | 3746341.4 | 485.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005851 |     | 0 | 0.12700E-06 | 475146.4 | 3746341.4 | 484.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005852 |     | 0 | 0.12700E-06 | 475154.9 | 3746341.5 | 484.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005853 |     | 0 | 0.12700E-06 | 475163.4 | 3746341.5 | 484.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005854 |     | 0 | 0.12700E-06 | 475171.9 | 3746341.6 | 483.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005855 |     | 0 | 0.12700E-06 | 475180.4 | 3746341.6 | 483.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005856 |     | 0 | 0.12700E-06 | 475188.9 | 3746341.7 | 483.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005857 |     | 0 | 0.12700E-06 | 475197.4 | 3746341.7 | 483.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005858 |     | 0 | 0.12700E-06 | 475205.9 | 3746341.7 | 482.8 | 4.00 | 3.95 |

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|      |     |          |   |             |          |           |       |      |      |
|------|-----|----------|---|-------------|----------|-----------|-------|------|------|
| 1.86 | YES | L0005859 | 0 | 0.12700E-06 | 475214.4 | 3746341.8 | 482.5 | 4.00 | 3.95 |
| 1.86 | YES | L0005860 | 0 | 0.12700E-06 | 475222.9 | 3746341.8 | 482.2 | 4.00 | 3.95 |
| 1.86 | YES | L0005861 | 0 | 0.12700E-06 | 475231.4 | 3746341.9 | 481.9 | 4.00 | 3.95 |
| 1.86 | YES | L0005862 | 0 | 0.12700E-06 | 475239.9 | 3746341.9 | 481.7 | 4.00 | 3.95 |
| 1.86 | YES | L0005863 | 0 | 0.12700E-06 | 475248.4 | 3746342.0 | 481.4 | 4.00 | 3.95 |
| 1.86 | YES | L0005864 | 0 | 0.12700E-06 | 475256.9 | 3746342.0 | 481.1 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 10:38:18

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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION | RATE        |          | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------|----------|-------------|----------|----------|----------|----------|----------|
| SOURCE   | SOURCE | EMISSION | PART.    | (GRAMS/SEC) | X        | Y        | ELEV.    | HEIGHT   | SY       |
| SZ       | ID     | SCALAR   | VARY     |             | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY       |             |          |          |          |          |          |

|          |          |             |             |           |           |       |      |      |
|----------|----------|-------------|-------------|-----------|-----------|-------|------|------|
| L0005865 | 0        | 0.12700E-06 | 475265.4    | 3746342.1 | 480.8     | 4.00  | 3.95 |      |
| 1.86 YES | L0005866 | 0           | 0.12700E-06 | 475273.9  | 3746342.1 | 480.5 | 4.00 | 3.95 |
| 1.86 YES | L0005867 | 0           | 0.12700E-06 | 475282.4  | 3746342.1 | 480.2 | 4.00 | 3.95 |
| 1.86 YES | L0005868 | 0           | 0.12700E-06 | 475290.9  | 3746342.2 | 479.9 | 4.00 | 3.95 |
| 1.86 YES | L0005869 | 0           | 0.12700E-06 | 475299.4  | 3746342.2 | 479.3 | 4.00 | 3.95 |
| 1.86 YES | L0005870 | 0           | 0.12700E-06 | 475307.9  | 3746342.3 | 478.8 | 4.00 | 3.95 |
| 1.86 YES | L0005871 | 0           | 0.12700E-06 | 475316.4  | 3746342.3 | 478.2 | 4.00 | 3.95 |
| 1.86 YES | L0005872 | 0           | 0.12700E-06 | 475324.9  | 3746342.4 | 477.7 | 4.00 | 3.95 |



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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005873 |     | 0 | 0.12700E-06 | 475333.4 | 3746342.4 | 477.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005874 |     | 0 | 0.12700E-06 | 475341.9 | 3746342.5 | 476.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005875 |     | 0 | 0.12700E-06 | 475350.4 | 3746342.5 | 476.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005876 |     | 0 | 0.12700E-06 | 475358.9 | 3746342.5 | 476.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005877 |     | 0 | 0.12700E-06 | 475367.4 | 3746342.6 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005878 |     | 0 | 0.12700E-06 | 475375.9 | 3746342.6 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005879 |     | 0 | 0.12700E-06 | 475384.4 | 3746342.7 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005880 |     | 0 | 0.12700E-06 | 475392.9 | 3746342.7 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005881 |     | 0 | 0.12700E-06 | 475401.4 | 3746342.8 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005882 |     | 0 | 0.12700E-06 | 475409.9 | 3746342.8 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005883 |     | 0 | 0.12700E-06 | 475418.4 | 3746342.9 | 475.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005884 |     | 0 | 0.12700E-06 | 475426.9 | 3746342.9 | 475.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005885 |     | 0 | 0.12700E-06 | 475435.4 | 3746342.9 | 475.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005886 |     | 0 | 0.12700E-06 | 475443.9 | 3746343.0 | 474.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005887 |     | 0 | 0.12700E-06 | 475452.4 | 3746343.0 | 474.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005888 |     | 0 | 0.12700E-06 | 475460.9 | 3746343.1 | 474.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005889 |     | 0 | 0.12700E-06 | 475469.4 | 3746343.1 | 474.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005890 |     | 0 | 0.12700E-06 | 475477.9 | 3746343.2 | 474.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005891 |     | 0 | 0.12700E-06 | 475486.4 | 3746343.2 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005892 |     | 0 | 0.12700E-06 | 475494.9 | 3746343.3 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005893 |     | 0 | 0.12700E-06 | 475503.4 | 3746343.3 | 473.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005894 |     | 0 | 0.12700E-06 | 475511.9 | 3746343.3 | 473.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005895 |     | 0 | 0.12700E-06 | 475520.4 | 3746343.4 | 473.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005896 |     | 0 | 0.12700E-06 | 475528.9 | 3746343.4 | 473.0 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005897 |     | 0 | 0.12700E-06 | 475537.4 | 3746343.5 | 472.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005898 |     | 0 | 0.12700E-06 | 475545.9 | 3746343.5 | 472.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005899 |     | 0 | 0.12700E-06 | 475554.4 | 3746343.6 | 472.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005900 |     | 0 | 0.12700E-06 | 475562.9 | 3746343.6 | 472.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005901 |     | 0 | 0.12700E-06 | 475571.4 | 3746343.6 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005902 |     | 0 | 0.12700E-06 | 475579.9 | 3746343.7 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005903 |     | 0 | 0.12700E-06 | 475588.4 | 3746343.7 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005904 |     | 0 | 0.12700E-06 | 475596.9 | 3746343.8 | 471.7 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
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 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 10:38:18

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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION | RATE        |          | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------|----------|-------------|----------|----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | PART.    | (GRAMS/SEC) | X        | Y        | ELEV.    | HEIGHT   | SY       |
| ID       | SOURCE | SCALAR   | VARY     |             | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY       |             |          |          |          |          |          |

|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| L0005905 |     | 0 | 0.12700E-06 | 475605.4 | 3746343.8 | 471.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005906 |     | 0 | 0.12700E-06 | 475613.9 | 3746343.9 | 471.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005907 |     | 0 | 0.12700E-06 | 475622.4 | 3746343.9 | 470.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005908 |     | 0 | 0.12700E-06 | 475630.9 | 3746344.0 | 470.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005909 |     | 0 | 0.12700E-06 | 475639.4 | 3746344.0 | 470.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005910 |     | 0 | 0.12700E-06 | 475647.9 | 3746344.0 | 470.1 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005911 |     | 0 | 0.12700E-06 | 475656.4 | 3746344.1 | 469.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005912 |     | 0 | 0.12700E-06 | 475664.9 | 3746344.1 | 469.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005913 |     | 0 | 0.12700E-06 | 475673.4 | 3746344.2 | 469.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005914 |     | 0 | 0.12700E-06 | 475681.9 | 3746344.2 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005915 |     | 0 | 0.12700E-06 | 475690.4 | 3746344.3 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005916 |     | 0 | 0.12700E-06 | 475698.9 | 3746344.3 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005917 |     | 0 | 0.12700E-06 | 475707.4 | 3746344.4 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005918 |     | 0 | 0.12700E-06 | 475715.9 | 3746344.4 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005919 |     | 0 | 0.12700E-06 | 475724.4 | 3746344.4 | 468.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005920 |     | 0 | 0.12700E-06 | 475732.9 | 3746344.5 | 468.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005921 |     | 0 | 0.12700E-06 | 475741.4 | 3746344.5 | 468.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005922 |     | 0 | 0.12700E-06 | 475749.9 | 3746344.6 | 468.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005923 |     | 0 | 0.12700E-06 | 475758.4 | 3746344.6 | 468.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005924 |     | 0 | 0.12700E-06 | 475766.9 | 3746344.7 | 468.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005925 |     | 0 | 0.12700E-06 | 475775.4 | 3746344.7 | 467.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005926 |     | 0 | 0.12700E-06 | 475783.9 | 3746344.8 | 467.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005927 |     | 0 | 0.12700E-06 | 475792.4 | 3746344.8 | 467.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005928 |     | 0 | 0.12700E-06 | 475800.9 | 3746344.8 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005929 |     | 0 | 0.12700E-06 | 475809.4 | 3746344.9 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005930 |     | 0 | 0.12700E-06 | 475817.9 | 3746344.9 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005931 |     | 0 | 0.12700E-06 | 475826.4 | 3746345.0 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005932 |     | 0 | 0.12700E-06 | 475834.9 | 3746345.0 | 466.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005933 |     | 0 | 0.12700E-06 | 475843.4 | 3746345.1 | 466.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005934 |     | 0 | 0.12700E-06 | 475851.9 | 3746345.1 | 466.3 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005935 |     | 0 | 0.12700E-06 | 475860.4 | 3746345.2 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005936 |     | 0 | 0.12700E-06 | 475868.9 | 3746345.2 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005937 |     | 0 | 0.12700E-06 | 475877.4 | 3746345.2 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005938 |     | 0 | 0.12700E-06 | 475885.9 | 3746345.3 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005939 |     | 0 | 0.12700E-06 | 475894.4 | 3746345.3 | 465.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005940 |     | 0 | 0.12720E-06 | 475031.9 | 3746316.9 | 489.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005941 |     | 0 | 0.12720E-06 | 475031.9 | 3746325.4 | 489.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005942 |     | 0 | 0.12720E-06 | 475031.9 | 3746333.9 | 489.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005943 |     | 0 | 0.12720E-06 | 475033.9 | 3746340.4 | 489.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005944 |     | 0 | 0.12720E-06 | 475042.4 | 3746340.4 | 489.2 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*  
 \*\*\* 10:38:18

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\*\*MODELOPTs: RegDFault CONC ELEV URBAN

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

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

|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| L0005945 |     | 0 | 0.12720E-06 | 475050.9 | 3746340.5 | 489.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005946 |     | 0 | 0.12720E-06 | 475059.4 | 3746340.6 | 488.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005947 |     | 0 | 0.12720E-06 | 475067.9 | 3746340.6 | 488.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005948 |     | 0 | 0.12720E-06 | 475076.4 | 3746340.7 | 488.1 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005949 |     | 0 | 0.12720E-06 | 475084.9 | 3746340.7 | 487.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005950 |     | 0 | 0.12720E-06 | 475093.4 | 3746340.8 | 487.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005951 |     | 0 | 0.12720E-06 | 475101.9 | 3746340.9 | 487.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005952 |     | 0 | 0.12720E-06 | 475110.4 | 3746340.9 | 487.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005953 |     | 0 | 0.12720E-06 | 475118.9 | 3746341.0 | 486.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005954 |     | 0 | 0.12720E-06 | 475127.4 | 3746341.0 | 485.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005955 |     | 0 | 0.12720E-06 | 475135.9 | 3746341.1 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005956 |     | 0 | 0.12720E-06 | 475144.4 | 3746341.1 | 484.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005957 |     | 0 | 0.12720E-06 | 475152.9 | 3746341.2 | 484.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005958 |     | 0 | 0.12720E-06 | 475161.4 | 3746341.3 | 484.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005959 |     | 0 | 0.12720E-06 | 475169.9 | 3746341.3 | 484.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005960 |     | 0 | 0.12720E-06 | 475178.4 | 3746341.4 | 483.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005961 |     | 0 | 0.12720E-06 | 475186.9 | 3746341.4 | 483.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005962 |     | 0 | 0.12720E-06 | 475195.4 | 3746341.5 | 483.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005963 |     | 0 | 0.12720E-06 | 475203.9 | 3746341.6 | 482.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005964 |     | 0 | 0.12720E-06 | 475212.4 | 3746341.6 | 482.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005965 |     | 0 | 0.12720E-06 | 475220.9 | 3746341.7 | 482.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005966 |     | 0 | 0.12720E-06 | 475229.4 | 3746341.7 | 482.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005967 |     | 0 | 0.12720E-06 | 475237.9 | 3746341.8 | 481.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005968 |     | 0 | 0.12720E-06 | 475246.4 | 3746341.9 | 481.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005969 |     | 0 | 0.12720E-06 | 475254.9 | 3746341.9 | 481.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005970 |     | 0 | 0.12720E-06 | 475263.4 | 3746342.0 | 480.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005971 |     | 0 | 0.12720E-06 | 475271.9 | 3746342.0 | 480.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005972 |     | 0 | 0.12720E-06 | 475280.4 | 3746342.1 | 480.3 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005973 |     | 0 | 0.12720E-06 | 475288.9 | 3746342.1 | 480.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005974 |     | 0 | 0.12720E-06 | 475297.4 | 3746342.2 | 479.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005975 |     | 0 | 0.12720E-06 | 475305.9 | 3746342.3 | 478.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005976 |     | 0 | 0.12720E-06 | 475314.4 | 3746342.3 | 478.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005977 |     | 0 | 0.12720E-06 | 475322.9 | 3746342.4 | 477.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005978 |     | 0 | 0.12720E-06 | 475331.4 | 3746342.4 | 477.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005979 |     | 0 | 0.12720E-06 | 475339.9 | 3746342.5 | 476.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005980 |     | 0 | 0.12720E-06 | 475348.4 | 3746342.6 | 476.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005981 |     | 0 | 0.12720E-06 | 475356.9 | 3746342.6 | 476.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005982 |     | 0 | 0.12720E-06 | 475365.4 | 3746342.7 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005983 |     | 0 | 0.12720E-06 | 475373.9 | 3746342.7 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005984 |     | 0 | 0.12720E-06 | 475382.4 | 3746342.8 | 475.9 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 10:38:18

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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE     |           | BASE     | RELEASE  | INIT.    |
|----------|--------|----------|-------------|----------|-----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | RATE        |          |           | ELEV.    | HEIGHT   | SY       |
| ID       |        | SCALAR   | VARY        |          | X         | Y        |          |          |
| (METERS) |        | CATS.    | BY          |          | (METERS)  | (METERS) | (METERS) | (METERS) |
| L0005985 |        | 0        | 0.12720E-06 | 475390.9 | 3746342.9 | 475.9    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0005986 |        | 0        | 0.12720E-06 | 475399.4 | 3746342.9 | 475.9    | 4.00     | 3.95     |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005987 |     | 0 | 0.12720E-06 | 475407.9 | 3746343.0 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005988 |     | 0 | 0.12720E-06 | 475416.4 | 3746343.0 | 475.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005989 |     | 0 | 0.12720E-06 | 475424.9 | 3746343.1 | 475.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005990 |     | 0 | 0.12720E-06 | 475433.4 | 3746343.1 | 475.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005991 |     | 0 | 0.12720E-06 | 475441.9 | 3746343.2 | 474.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005992 |     | 0 | 0.12720E-06 | 475450.4 | 3746343.3 | 474.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005993 |     | 0 | 0.12720E-06 | 475458.9 | 3746343.3 | 474.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005994 |     | 0 | 0.12720E-06 | 475467.4 | 3746343.4 | 474.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005995 |     | 0 | 0.12720E-06 | 475475.9 | 3746343.4 | 474.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005996 |     | 0 | 0.12720E-06 | 475484.4 | 3746343.5 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005997 |     | 0 | 0.12720E-06 | 475492.9 | 3746343.6 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005998 |     | 0 | 0.12720E-06 | 475501.4 | 3746343.6 | 473.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005999 |     | 0 | 0.12720E-06 | 475509.9 | 3746343.7 | 473.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006000 |     | 0 | 0.12720E-06 | 475518.4 | 3746343.7 | 473.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006001 |     | 0 | 0.12720E-06 | 475526.9 | 3746343.8 | 473.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006002 |     | 0 | 0.12720E-06 | 475535.4 | 3746343.8 | 472.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006003 |     | 0 | 0.12720E-06 | 475543.9 | 3746343.9 | 472.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006004 |     | 0 | 0.12720E-06 | 475552.4 | 3746344.0 | 472.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006005 |     | 0 | 0.12720E-06 | 475560.9 | 3746344.0 | 472.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006006 |     | 0 | 0.12720E-06 | 475569.4 | 3746344.1 | 472.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006007 |     | 0 | 0.12720E-06 | 475577.9 | 3746344.1 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006008 |     | 0 | 0.12720E-06 | 475586.4 | 3746344.2 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006009 |     | 0 | 0.12720E-06 | 475594.9 | 3746344.3 | 471.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006010 |     | 0 | 0.12720E-06 | 475603.4 | 3746344.3 | 471.4 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006011 |     | 0 | 0.12720E-06 | 475611.9 | 3746344.4 | 471.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006012 |     | 0 | 0.12720E-06 | 475620.4 | 3746344.4 | 470.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006013 |     | 0 | 0.12720E-06 | 475628.9 | 3746344.5 | 470.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006014 |     | 0 | 0.12720E-06 | 475637.4 | 3746344.6 | 470.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006015 |     | 0 | 0.12720E-06 | 475645.9 | 3746344.6 | 470.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006016 |     | 0 | 0.12720E-06 | 475654.4 | 3746344.7 | 469.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006017 |     | 0 | 0.12720E-06 | 475662.9 | 3746344.7 | 469.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006018 |     | 0 | 0.12720E-06 | 475671.4 | 3746344.8 | 469.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006019 |     | 0 | 0.12720E-06 | 475679.9 | 3746344.8 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006020 |     | 0 | 0.12720E-06 | 475688.4 | 3746344.9 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006021 |     | 0 | 0.12720E-06 | 475696.9 | 3746345.0 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006022 |     | 0 | 0.12720E-06 | 475705.4 | 3746345.0 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006023 |     | 0 | 0.12720E-06 | 475713.9 | 3746345.1 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006024 |     | 0 | 0.12720E-06 | 475722.4 | 3746345.1 | 468.9 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 10:38:18

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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION | RATE        |          | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------|----------|-------------|----------|----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | PART.    | (GRAMS/SEC) | X        | Y        | ELEV.    | HEIGHT   | SY       |
| ID       |        | SCALAR   | VARY     |             |          |          | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY       |             | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |



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|          |   |             |          |           |       |      |      |
|----------|---|-------------|----------|-----------|-------|------|------|
| L0006025 | 0 | 0.12720E-06 | 475730.9 | 3746345.2 | 468.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006026 | 0 | 0.12720E-06 | 475739.4 | 3746345.3 | 468.8 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006027 | 0 | 0.12720E-06 | 475747.9 | 3746345.3 | 468.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006028 | 0 | 0.12720E-06 | 475756.4 | 3746345.4 | 468.4 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006029 | 0 | 0.12720E-06 | 475764.9 | 3746345.4 | 468.1 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006030 | 0 | 0.12720E-06 | 475773.4 | 3746345.5 | 467.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006031 | 0 | 0.12720E-06 | 475781.9 | 3746345.6 | 467.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006032 | 0 | 0.12720E-06 | 475790.4 | 3746345.6 | 467.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006033 | 0 | 0.12720E-06 | 475798.9 | 3746345.7 | 467.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006034 | 0 | 0.12720E-06 | 475807.4 | 3746345.7 | 467.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006035 | 0 | 0.12720E-06 | 475815.9 | 3746345.8 | 467.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006036 | 0 | 0.12720E-06 | 475824.4 | 3746345.8 | 467.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006037 | 0 | 0.12720E-06 | 475832.9 | 3746345.9 | 466.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006038 | 0 | 0.12720E-06 | 475841.4 | 3746346.0 | 466.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006039 | 0 | 0.12720E-06 | 475849.9 | 3746346.0 | 466.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006040 | 0 | 0.12720E-06 | 475858.4 | 3746346.1 | 466.1 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006041 | 0 | 0.12720E-06 | 475866.9 | 3746346.1 | 466.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006042 | 0 | 0.12720E-06 | 475875.4 | 3746346.2 | 466.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006043 | 0 | 0.12720E-06 | 475883.9 | 3746346.3 | 466.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006044 | 0 | 0.12720E-06 | 475892.4 | 3746346.3 | 465.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006045 | 0 | 0.12720E-06 | 475900.9 | 3746346.4 | 465.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006046 | 0 | 0.16110E-06 | 475148.1 | 3746311.6 | 485.4 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006047 | 0 | 0.16110E-06 | 475148.1 | 3746320.1 | 485.2 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006048 | 0 | 0.16110E-06 | 475148.1 | 3746328.6 | 485.0 | 4.00 | 3.95 |

KnoxBPWorker

|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006049 |     | 0 | 0.16110E-06 | 475148.1 | 3746337.1 | 484.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006050 |     | 0 | 0.16110E-06 | 475151.7 | 3746342.1 | 484.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006051 |     | 0 | 0.16110E-06 | 475160.2 | 3746342.1 | 484.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006052 |     | 0 | 0.16110E-06 | 475168.7 | 3746342.2 | 484.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006053 |     | 0 | 0.16110E-06 | 475177.2 | 3746342.3 | 483.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006054 |     | 0 | 0.16110E-06 | 475185.7 | 3746342.4 | 483.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006055 |     | 0 | 0.16110E-06 | 475194.2 | 3746342.5 | 483.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006056 |     | 0 | 0.16110E-06 | 475202.7 | 3746342.6 | 482.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006057 |     | 0 | 0.16110E-06 | 475211.2 | 3746342.6 | 482.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006058 |     | 0 | 0.16110E-06 | 475219.7 | 3746342.7 | 482.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006059 |     | 0 | 0.16110E-06 | 475228.2 | 3746342.8 | 482.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006060 |     | 0 | 0.16110E-06 | 475236.7 | 3746342.9 | 481.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006061 |     | 0 | 0.16110E-06 | 475245.2 | 3746343.0 | 481.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006062 |     | 0 | 0.16110E-06 | 475253.7 | 3746343.1 | 481.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006063 |     | 0 | 0.16110E-06 | 475262.2 | 3746343.2 | 480.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006064 |     | 0 | 0.16110E-06 | 475270.7 | 3746343.2 | 480.6 | 4.00 | 3.95 |

♀ \*\*\* AERMOD - VERSION 15181 \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*  
 \*\*\* 10:38:18

\*\*MODELOPTs: RegDFAULT CONC PAGE 14  
 ELEV URBAN

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

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

| ID<br>(METERS) | CATS. | BY          | KnoxBPWorker |           |          |          |          |
|----------------|-------|-------------|--------------|-----------|----------|----------|----------|
|                |       |             | (METERS)     | (METERS)  | (METERS) | (METERS) | (METERS) |
| L0006065       | 0     | 0.16110E-06 | 475279.2     | 3746343.3 | 480.3    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006066       | 0     | 0.16110E-06 | 475287.7     | 3746343.4 | 480.0    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006067       | 0     | 0.16110E-06 | 475296.2     | 3746343.5 | 479.5    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006068       | 0     | 0.16110E-06 | 475304.7     | 3746343.6 | 479.0    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006069       | 0     | 0.16110E-06 | 475313.2     | 3746343.7 | 478.4    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006070       | 0     | 0.16110E-06 | 475321.7     | 3746343.8 | 477.9    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006071       | 0     | 0.16110E-06 | 475330.2     | 3746343.8 | 477.3    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006072       | 0     | 0.16110E-06 | 475338.7     | 3746343.9 | 476.8    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006073       | 0     | 0.16110E-06 | 475347.2     | 3746344.0 | 476.2    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006074       | 0     | 0.16110E-06 | 475355.7     | 3746344.1 | 476.0    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006075       | 0     | 0.16110E-06 | 475364.2     | 3746344.2 | 475.9    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006076       | 0     | 0.16110E-06 | 475372.7     | 3746344.3 | 475.9    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006077       | 0     | 0.16110E-06 | 475381.2     | 3746344.3 | 475.9    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006078       | 0     | 0.16110E-06 | 475389.7     | 3746344.4 | 475.9    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006079       | 0     | 0.16110E-06 | 475398.2     | 3746344.5 | 475.9    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006080       | 0     | 0.16110E-06 | 475406.7     | 3746344.6 | 475.9    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006081       | 0     | 0.16110E-06 | 475415.2     | 3746344.7 | 475.7    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006082       | 0     | 0.16110E-06 | 475423.7     | 3746344.8 | 475.5    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006083       | 0     | 0.16110E-06 | 475432.2     | 3746344.9 | 475.2    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006084       | 0     | 0.16110E-06 | 475440.7     | 3746344.9 | 475.0    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006085       | 0     | 0.16110E-06 | 475449.2     | 3746345.0 | 474.7    | 4.00     | 3.95     |
| 1.86 YES       |       |             |              |           |          |          |          |
| L0006086       | 0     | 0.16110E-06 | 475457.7     | 3746345.1 | 474.4    | 4.00     | 3.95     |

KnoxBPWorker

|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006087 |     | 0 | 0.16110E-06 | 475466.2 | 3746345.2 | 474.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006088 |     | 0 | 0.16110E-06 | 475474.7 | 3746345.3 | 474.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006089 |     | 0 | 0.16110E-06 | 475483.2 | 3746345.4 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006090 |     | 0 | 0.16110E-06 | 475491.7 | 3746345.4 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006091 |     | 0 | 0.16110E-06 | 475500.2 | 3746345.5 | 473.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006092 |     | 0 | 0.16110E-06 | 475508.7 | 3746345.6 | 473.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006093 |     | 0 | 0.16110E-06 | 475517.2 | 3746345.7 | 473.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006094 |     | 0 | 0.16110E-06 | 475525.7 | 3746345.8 | 473.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006095 |     | 0 | 0.16110E-06 | 475534.2 | 3746345.9 | 472.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006096 |     | 0 | 0.16110E-06 | 475542.7 | 3746346.0 | 472.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006097 |     | 0 | 0.16110E-06 | 475551.2 | 3746346.0 | 472.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006098 |     | 0 | 0.16110E-06 | 475559.7 | 3746346.1 | 472.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006099 |     | 0 | 0.16110E-06 | 475568.1 | 3746346.2 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006100 |     | 0 | 0.16110E-06 | 475576.6 | 3746346.3 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006101 |     | 0 | 0.16110E-06 | 475585.1 | 3746346.4 | 471.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006102 |     | 0 | 0.16110E-06 | 475593.6 | 3746346.5 | 471.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006103 |     | 0 | 0.16110E-06 | 475602.1 | 3746346.5 | 471.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006104 |     | 0 | 0.16110E-06 | 475610.6 | 3746346.6 | 471.1 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
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 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 10:38:18

\*\*MODELOPTs: RegDEFAULT CONC PAGE 15  
 ELEV URBAN

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

KnoxBPWorker

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE        |          | BASE      | RELEASE  | INIT.    |
|----------|--------|----------|-------------|-------------|----------|-----------|----------|----------|
| SZ       | SOURCE | EMISSION | RATE        | (GRAMS/SEC) | X        | ELEV.     | HEIGHT   | SY       |
| (METERS) | ID     | SCALAR   | VARY        | BY          | (METERS) | (METERS)  | (METERS) | (METERS) |
|          |        | CATS.    |             |             | (METERS) | (METERS)  | (METERS) | (METERS) |
| L0006105 |        | 0        | 0.16110E-06 |             | 475619.1 | 3746346.7 | 470.8    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006106 |        | 0        | 0.16110E-06 |             | 475627.6 | 3746346.8 | 470.6    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006107 |        | 0        | 0.16110E-06 |             | 475636.1 | 3746346.9 | 470.4    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006108 |        | 0        | 0.16110E-06 |             | 475644.6 | 3746347.0 | 470.1    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006109 |        | 0        | 0.16110E-06 |             | 475653.1 | 3746347.1 | 469.9    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006110 |        | 0        | 0.16110E-06 |             | 475661.6 | 3746347.1 | 469.6    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006111 |        | 0        | 0.16110E-06 |             | 475670.1 | 3746347.2 | 469.3    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006112 |        | 0        | 0.16110E-06 |             | 475678.6 | 3746347.3 | 469.1    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006113 |        | 0        | 0.16110E-06 |             | 475687.1 | 3746347.4 | 469.0    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006114 |        | 0        | 0.16110E-06 |             | 475695.6 | 3746347.5 | 469.0    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006115 |        | 0        | 0.16110E-06 |             | 475704.1 | 3746347.6 | 469.0    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006116 |        | 0        | 0.16110E-06 |             | 475712.6 | 3746347.7 | 469.0    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006117 |        | 0        | 0.16110E-06 |             | 475721.1 | 3746347.7 | 468.9    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006118 |        | 0        | 0.16110E-06 |             | 475729.6 | 3746347.8 | 468.8    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006119 |        | 0        | 0.16110E-06 |             | 475738.1 | 3746347.9 | 468.8    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006120 |        | 0        | 0.16110E-06 |             | 475746.6 | 3746348.0 | 468.6    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006121 |        | 0        | 0.16110E-06 |             | 475755.1 | 3746348.1 | 468.4    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006122 |        | 0        | 0.16110E-06 |             | 475763.6 | 3746348.2 | 468.2    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006123 |        | 0        | 0.16110E-06 |             | 475772.1 | 3746348.2 | 467.9    | 3.95     |
| 1.86     | YES    |          |             |             |          |           |          |          |
| L0006124 |        | 0        | 0.16110E-06 |             | 475780.6 | 3746348.3 | 467.7    | 3.95     |

KnoxBPWorker

|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006125 |     | 0 | 0.16110E-06 | 475789.1 | 3746348.4 | 467.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006126 |     | 0 | 0.16110E-06 | 475797.6 | 3746348.5 | 467.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006127 |     | 0 | 0.16110E-06 | 475806.1 | 3746348.6 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006128 |     | 0 | 0.16110E-06 | 475814.6 | 3746348.7 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006129 |     | 0 | 0.16110E-06 | 475823.1 | 3746348.8 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006130 |     | 0 | 0.16110E-06 | 475831.6 | 3746348.8 | 466.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006131 |     | 0 | 0.16110E-06 | 475840.1 | 3746348.9 | 466.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006132 |     | 0 | 0.16110E-06 | 475848.6 | 3746349.0 | 466.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006133 |     | 0 | 0.16110E-06 | 475857.1 | 3746349.1 | 466.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006134 |     | 0 | 0.16110E-06 | 475865.6 | 3746349.2 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006135 |     | 0 | 0.16110E-06 | 475874.1 | 3746349.3 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006136 |     | 0 | 0.16110E-06 | 475882.6 | 3746349.3 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006137 |     | 0 | 0.16110E-06 | 475891.1 | 3746349.4 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006138 |     | 0 | 0.16110E-06 | 475899.6 | 3746349.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006139 |     | 0 | 0.16130E-06 | 475441.0 | 3746308.3 | 475.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006140 |     | 0 | 0.16130E-06 | 475441.0 | 3746316.8 | 475.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006141 |     | 0 | 0.16130E-06 | 475441.0 | 3746325.3 | 475.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006142 |     | 0 | 0.16130E-06 | 475441.0 | 3746333.8 | 475.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006143 |     | 0 | 0.16130E-06 | 475441.0 | 3746342.3 | 475.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006144 |     | 0 | 0.16130E-06 | 475446.7 | 3746345.2 | 474.8 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
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 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 10:38:18

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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

KnoxBPWorker

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

| INIT.    | URBAN       | NUMBER EMISSION RATE | BASE     | RELEASE   | INIT.    |      |      |
|----------|-------------|----------------------|----------|-----------|----------|------|------|
| SOURCE   | SOURCE      | EMISSION RATE        | ELEV.    | HEIGHT    | SY       |      |      |
| SZ       | SCALAR VARY | PART. (GRAMS/SEC)    | X        | Y         |          |      |      |
| ID       | CATS.       |                      | (METERS) | (METERS)  | (METERS) |      |      |
| (METERS) | BY          |                      |          |           |          |      |      |
| L0006145 | 0           | 0.16130E-06          | 475455.2 | 3746345.4 | 474.5    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006146 | 0           | 0.16130E-06          | 475463.7 | 3746345.5 | 474.2    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006147 | 0           | 0.16130E-06          | 475472.2 | 3746345.7 | 474.0    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006148 | 0           | 0.16130E-06          | 475480.7 | 3746345.9 | 473.9    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006149 | 0           | 0.16130E-06          | 475489.2 | 3746346.0 | 473.9    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006150 | 0           | 0.16130E-06          | 475497.7 | 3746346.2 | 473.8    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006151 | 0           | 0.16130E-06          | 475506.2 | 3746346.3 | 473.6    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006152 | 0           | 0.16130E-06          | 475514.7 | 3746346.5 | 473.4    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006153 | 0           | 0.16130E-06          | 475523.2 | 3746346.7 | 473.2    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006154 | 0           | 0.16130E-06          | 475531.7 | 3746346.8 | 472.9    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006155 | 0           | 0.16130E-06          | 475540.2 | 3746347.0 | 472.7    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006156 | 0           | 0.16130E-06          | 475548.7 | 3746347.2 | 472.4    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006157 | 0           | 0.16130E-06          | 475557.2 | 3746347.3 | 472.1    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006158 | 0           | 0.16130E-06          | 475565.7 | 3746347.5 | 471.9    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006159 | 0           | 0.16130E-06          | 475574.2 | 3746347.6 | 471.9    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006160 | 0           | 0.16130E-06          | 475582.7 | 3746347.8 | 471.8    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006161 | 0           | 0.16130E-06          | 475591.2 | 3746348.0 | 471.7    | 4.00 | 3.95 |
| 1.86     | YES         |                      |          |           |          |      |      |
| L0006162 | 0           | 0.16130E-06          | 475599.7 | 3746348.1 | 471.4    | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006163 |     | 0 | 0.16130E-06 | 475608.2 | 3746348.3 | 471.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006164 |     | 0 | 0.16130E-06 | 475616.7 | 3746348.4 | 470.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006165 |     | 0 | 0.16130E-06 | 475625.2 | 3746348.6 | 470.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006166 |     | 0 | 0.16130E-06 | 475633.7 | 3746348.8 | 470.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006167 |     | 0 | 0.16130E-06 | 475642.2 | 3746348.9 | 470.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006168 |     | 0 | 0.16130E-06 | 475650.7 | 3746349.1 | 470.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006169 |     | 0 | 0.16130E-06 | 475659.2 | 3746349.3 | 469.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006170 |     | 0 | 0.16130E-06 | 475667.7 | 3746349.4 | 469.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006171 |     | 0 | 0.16130E-06 | 475676.2 | 3746349.6 | 469.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006172 |     | 0 | 0.16130E-06 | 475684.7 | 3746349.7 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006173 |     | 0 | 0.16130E-06 | 475693.2 | 3746349.9 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006174 |     | 0 | 0.16130E-06 | 475701.7 | 3746350.1 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006175 |     | 0 | 0.16130E-06 | 475710.2 | 3746350.2 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006176 |     | 0 | 0.16130E-06 | 475718.7 | 3746350.4 | 468.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006177 |     | 0 | 0.16130E-06 | 475727.1 | 3746350.5 | 468.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006178 |     | 0 | 0.16130E-06 | 475735.6 | 3746350.7 | 468.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006179 |     | 0 | 0.16130E-06 | 475744.1 | 3746350.9 | 468.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006180 |     | 0 | 0.16130E-06 | 475752.6 | 3746351.0 | 468.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006181 |     | 0 | 0.16130E-06 | 475761.1 | 3746351.2 | 468.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006182 |     | 0 | 0.16130E-06 | 475769.6 | 3746351.4 | 468.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006183 |     | 0 | 0.16130E-06 | 475778.1 | 3746351.5 | 467.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006184 |     | 0 | 0.16130E-06 | 475786.6 | 3746351.7 | 467.4 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*



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ELEV URBAN

\*\*MODELOPTs: RegDEFAULT CONC

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

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE     |           | BASE     | RELEASE  | INIT.    |
|----------|--------|----------|-------------|----------|-----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | RATE        |          |           | ELEV.    | HEIGHT   | SY       |
| ID       |        | PART.    | (GRAMS/SEC) | X        | Y         | (METERS) | (METERS) | (METERS) |
| (METERS) |        | SCALAR   | VARY        | (METERS) | (METERS)  | (METERS) | (METERS) | (METERS) |
|          |        | CATS.    | BY          |          |           |          |          |          |
| L0006185 |        | 0        | 0.16130E-06 | 475795.1 | 3746351.8 | 467.2    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006186 |        | 0        | 0.16130E-06 | 475803.6 | 3746352.0 | 467.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006187 |        | 0        | 0.16130E-06 | 475812.1 | 3746352.2 | 467.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006188 |        | 0        | 0.16130E-06 | 475820.6 | 3746352.3 | 467.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006189 |        | 0        | 0.16130E-06 | 475829.1 | 3746352.5 | 467.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006190 |        | 0        | 0.16130E-06 | 475837.6 | 3746352.6 | 466.8    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006191 |        | 0        | 0.16130E-06 | 475846.1 | 3746352.8 | 466.5    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006192 |        | 0        | 0.16130E-06 | 475854.6 | 3746353.0 | 466.2    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006193 |        | 0        | 0.16130E-06 | 475863.1 | 3746353.1 | 466.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006194 |        | 0        | 0.16130E-06 | 475871.6 | 3746353.3 | 466.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006195 |        | 0        | 0.16130E-06 | 475880.1 | 3746353.5 | 466.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006196 |        | 0        | 0.16130E-06 | 475888.6 | 3746353.6 | 466.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006197 |        | 0        | 0.16130E-06 | 475897.1 | 3746353.8 | 465.8    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006198 |        | 0        | 0.16130E-06 | 475905.6 | 3746353.9 | 465.5    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006199 |        | 0        | 0.28730E-07 | 475900.4 | 3746344.5 | 465.7    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006200 |        | 0        | 0.28730E-07 | 475900.3 | 3746336.0 | 465.7    | 4.00     | 3.95     |

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|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006201 |     | 0 | 0.28730E-07 | 475900.2 | 3746327.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006202 |     | 0 | 0.28730E-07 | 475900.1 | 3746319.0 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006203 |     | 0 | 0.28730E-07 | 475899.9 | 3746310.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006204 |     | 0 | 0.28730E-07 | 475899.8 | 3746302.0 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006205 |     | 0 | 0.28730E-07 | 475899.7 | 3746293.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006206 |     | 0 | 0.28730E-07 | 475899.6 | 3746285.0 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006207 |     | 0 | 0.28730E-07 | 475899.5 | 3746276.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006208 |     | 0 | 0.28730E-07 | 475899.3 | 3746268.0 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006209 |     | 0 | 0.28730E-07 | 475899.2 | 3746259.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006210 |     | 0 | 0.28730E-07 | 475899.1 | 3746251.0 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006211 |     | 0 | 0.28730E-07 | 475899.0 | 3746242.5 | 465.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006212 |     | 0 | 0.28730E-07 | 475898.8 | 3746234.0 | 465.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006213 |     | 0 | 0.28730E-07 | 475898.7 | 3746225.5 | 465.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006214 |     | 0 | 0.28730E-07 | 475898.6 | 3746217.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006215 |     | 0 | 0.28730E-07 | 475898.5 | 3746208.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006216 |     | 0 | 0.28730E-07 | 475898.4 | 3746200.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006217 |     | 0 | 0.28730E-07 | 475898.2 | 3746191.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006218 |     | 0 | 0.28730E-07 | 475898.1 | 3746183.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006219 |     | 0 | 0.28730E-07 | 475898.0 | 3746174.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006220 |     | 0 | 0.28730E-07 | 475897.9 | 3746166.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006221 |     | 0 | 0.28730E-07 | 475897.7 | 3746157.5 | 466.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006222 |     | 0 | 0.28730E-07 | 475897.6 | 3746149.0 | 466.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006223 |     | 0 | 0.28730E-07 | 475897.5 | 3746140.5 | 466.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006224 |     | 0 | 0.28730E-07 | 475897.4 | 3746132.0 | 466.7 | 4.00 | 3.95 |

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1.86 YES

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\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE     |           | BASE     | RELEASE  | INIT.    |
|----------|--------|----------|-------------|----------|-----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | RATE        |          |           | ELEV.    | HEIGHT   | SY       |
| ID       | SOURCE | SCALAR   | VARY        | X        | Y         | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY          | (METERS) | (METERS)  | (METERS) | (METERS) | (METERS) |
| L0006225 |        | 0        | 0.28730E-07 | 475897.3 | 3746123.5 | 466.8    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006226 |        | 0        | 0.28730E-07 | 475897.1 | 3746115.0 | 466.8    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006227 |        | 0        | 0.28730E-07 | 475897.0 | 3746106.5 | 466.8    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006228 |        | 0        | 0.28730E-07 | 475896.9 | 3746098.0 | 466.8    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006229 |        | 0        | 0.28730E-07 | 475896.8 | 3746089.5 | 466.9    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006230 |        | 0        | 0.28730E-07 | 475896.6 | 3746081.0 | 466.9    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006231 |        | 0        | 0.28730E-07 | 475896.5 | 3746072.5 | 467.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006232 |        | 0        | 0.28730E-07 | 475896.4 | 3746064.0 | 467.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006233 |        | 0        | 0.28730E-07 | 475896.3 | 3746055.5 | 467.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006234 |        | 0        | 0.28730E-07 | 475896.2 | 3746047.0 | 467.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006235 |        | 0        | 0.28730E-07 | 475896.0 | 3746038.5 | 467.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006236 |        | 0        | 0.28730E-07 | 475895.9 | 3746030.0 | 467.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006237 |        | 0        | 0.28730E-07 | 475895.8 | 3746021.5 | 467.0    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0006238 |        | 0        | 0.28730E-07 | 475895.7 | 3746013.0 | 467.0    | 4.00     | 3.95     |

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|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006239 |     | 0 | 0.28730E-07 | 475895.5 | 3746004.5 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006240 |     | 0 | 0.28730E-07 | 475895.4 | 3745996.0 | 466.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006241 |     | 0 | 0.28730E-07 | 475895.3 | 3745987.5 | 466.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006242 |     | 0 | 0.28730E-07 | 475895.2 | 3745979.0 | 466.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006243 |     | 0 | 0.28730E-07 | 475895.1 | 3745970.5 | 466.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006244 |     | 0 | 0.28730E-07 | 475894.9 | 3745962.0 | 466.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006245 |     | 0 | 0.28730E-07 | 475894.8 | 3745953.5 | 466.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006246 |     | 0 | 0.28730E-07 | 475894.7 | 3745945.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006247 |     | 0 | 0.28730E-07 | 475894.6 | 3745936.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006248 |     | 0 | 0.28730E-07 | 475894.4 | 3745928.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006249 |     | 0 | 0.28730E-07 | 475894.3 | 3745919.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006250 |     | 0 | 0.28730E-07 | 475894.2 | 3745911.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006251 |     | 0 | 0.28730E-07 | 475894.1 | 3745902.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006252 |     | 0 | 0.28730E-07 | 475894.0 | 3745894.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006253 |     | 0 | 0.28730E-07 | 475893.8 | 3745885.6 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006254 |     | 0 | 0.28730E-07 | 475893.7 | 3745877.1 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006255 |     | 0 | 0.55010E-06 | 475898.2 | 3746354.1 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006256 |     | 0 | 0.55010E-06 | 475897.9 | 3746362.6 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006257 |     | 0 | 0.55010E-06 | 475897.7 | 3746371.1 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006258 |     | 0 | 0.55010E-06 | 475897.4 | 3746379.6 | 465.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006259 |     | 0 | 0.55010E-06 | 475896.4 | 3746388.0 | 465.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006260 |     | 0 | 0.55010E-06 | 475894.0 | 3746396.1 | 465.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006261 |     | 0 | 0.55010E-06 | 475891.6 | 3746404.3 | 465.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006262 |     | 0 | 0.55010E-06 | 475889.2 | 3746412.5 | 466.0 | 4.00 | 3.95 |

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1.86 YES  
 L0006263 0 0.55010E-06 475886.8 3746420.6 466.0 4.00 3.95

1.86 YES  
 L0006264 0 0.55010E-06 475884.4 3746428.8 466.0 4.00 3.95

1.86 YES

♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
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\*\*MODELOPTs: RegDFault CONC ELEV URBAN

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

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

|          |   |             |          |           |       |      |      |
|----------|---|-------------|----------|-----------|-------|------|------|
| L0006265 | 0 | 0.55010E-06 | 475880.6 | 3746436.4 | 465.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006266 | 0 | 0.55010E-06 | 475876.5 | 3746443.8 | 465.8 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006267 | 0 | 0.55010E-06 | 475872.4 | 3746451.2 | 465.7 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006268 | 0 | 0.55010E-06 | 475868.3 | 3746458.7 | 465.7 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006269 | 0 | 0.55010E-06 | 475864.2 | 3746466.1 | 465.7 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006270 | 0 | 0.55010E-06 | 475860.1 | 3746473.6 | 465.5 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006271 | 0 | 0.55010E-06 | 475855.5 | 3746480.6 | 465.5 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006272 | 0 | 0.55010E-06 | 475849.8 | 3746486.9 | 465.4 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006273 | 0 | 0.55010E-06 | 475844.0 | 3746493.2 | 465.5 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006274 | 0 | 0.55010E-06 | 475838.3 | 3746499.5 | 465.7 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006275 | 0 | 0.55010E-06 | 475832.3 | 3746505.5 | 465.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006276 | 0 | 0.55010E-06 | 475826.1 | 3746511.3 | 466.0 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006277 |     | 0 | 0.55010E-06 | 475819.9 | 3746517.1 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006278 |     | 0 | 0.55010E-06 | 475813.7 | 3746522.9 | 466.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006279 |     | 0 | 0.55010E-06 | 475807.5 | 3746528.7 | 466.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006280 |     | 0 | 0.55010E-06 | 475801.3 | 3746534.5 | 466.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006281 |     | 0 | 0.55010E-06 | 475795.1 | 3746540.3 | 466.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006282 |     | 0 | 0.55010E-06 | 475788.9 | 3746546.2 | 466.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006283 |     | 0 | 0.55010E-06 | 475782.7 | 3746552.0 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006284 |     | 0 | 0.55010E-06 | 475776.5 | 3746557.8 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006285 |     | 0 | 0.55010E-06 | 475770.9 | 3746564.2 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006286 |     | 0 | 0.55010E-06 | 475766.0 | 3746571.1 | 467.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006287 |     | 0 | 0.55010E-06 | 475761.1 | 3746578.0 | 467.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006288 |     | 0 | 0.55010E-06 | 475756.2 | 3746585.0 | 467.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006289 |     | 0 | 0.55010E-06 | 475751.7 | 3746592.2 | 467.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006290 |     | 0 | 0.55010E-06 | 475747.3 | 3746599.5 | 467.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006291 |     | 0 | 0.55010E-06 | 475743.6 | 3746607.1 | 467.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006292 |     | 0 | 0.55010E-06 | 475739.9 | 3746614.8 | 468.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006293 |     | 0 | 0.55010E-06 | 475736.1 | 3746622.4 | 468.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006294 |     | 0 | 0.55010E-06 | 475733.3 | 3746630.4 | 468.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006295 |     | 0 | 0.55010E-06 | 475730.7 | 3746638.5 | 468.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006296 |     | 0 | 0.55010E-06 | 475728.4 | 3746646.7 | 468.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006297 |     | 0 | 0.55010E-06 | 475726.2 | 3746654.9 | 468.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006298 |     | 0 | 0.55010E-06 | 475724.2 | 3746663.1 | 467.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006299 |     | 0 | 0.55010E-06 | 475723.0 | 3746671.5 | 467.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006300 |     | 0 | 0.55010E-06 | 475722.0 | 3746680.0 | 467.4 | 4.00 | 3.95 |

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1.86 YES  
 L0006301 0 0.55010E-06 475721.3 3746688.5 467.2 4.00 3.95  
 1.86 YES  
 L0006302 0 0.55010E-06 475721.1 3746697.0 467.1 4.00 3.95  
 1.86 YES  
 L0006303 0 0.55010E-06 475720.8 3746705.4 466.8 4.00 3.95  
 1.86 YES  
 L0006304 0 0.55010E-06 475720.9 3746713.9 466.5 4.00 3.95

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

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

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

L0006305 0 0.55010E-06 475721.1 3746722.4 466.2 4.00 3.95  
 1.86 YES  
 L0006306 0 0.55010E-06 475720.8 3746730.9 466.0 4.00 3.95  
 1.86 YES  
 L0006307 0 0.55010E-06 475720.6 3746739.4 466.0 4.00 3.95  
 1.86 YES  
 L0006308 0 0.55010E-06 475720.6 3746747.7 466.0 4.00 3.95  
 1.86 YES  
 L0006309 0 0.55010E-06 475729.0 3746748.1 466.0 4.00 3.95  
 1.86 YES  
 L0006310 0 0.55010E-06 475737.5 3746748.4 466.0 4.00 3.95  
 1.86 YES  
 L0006311 0 0.55010E-06 475746.0 3746748.8 466.0 4.00 3.95  
 1.86 YES  
 L0006312 0 0.55010E-06 475754.5 3746749.1 466.0 4.00 3.95  
 1.86 YES  
 L0006313 0 0.55010E-06 475763.0 3746749.2 466.0 4.00 3.95  
 1.86 YES  
 L0006314 0 0.55010E-06 475771.5 3746749.0 465.9 4.00 3.95

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006315 |     | 0 | 0.55010E-06 | 475780.0 | 3746748.8 | 465.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006316 |     | 0 | 0.55010E-06 | 475788.5 | 3746748.5 | 465.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006317 |     | 0 | 0.55010E-06 | 475797.0 | 3746748.4 | 464.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006318 |     | 0 | 0.55010E-06 | 475805.5 | 3746748.5 | 464.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006319 |     | 0 | 0.55010E-06 | 475814.0 | 3746748.6 | 463.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006320 |     | 0 | 0.55010E-06 | 475822.5 | 3746748.8 | 463.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006321 |     | 0 | 0.55010E-06 | 475831.0 | 3746748.9 | 463.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006322 |     | 0 | 0.55010E-06 | 475839.5 | 3746749.0 | 463.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006323 |     | 0 | 0.55010E-06 | 475848.0 | 3746749.1 | 463.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006324 |     | 0 | 0.55010E-06 | 475856.5 | 3746749.2 | 463.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006325 |     | 0 | 0.55010E-06 | 475865.0 | 3746749.3 | 463.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006326 |     | 0 | 0.55010E-06 | 475873.5 | 3746749.4 | 463.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006327 |     | 0 | 0.55010E-06 | 475882.0 | 3746749.6 | 463.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006328 |     | 0 | 0.55010E-06 | 475890.5 | 3746749.7 | 463.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006329 |     | 0 | 0.55010E-06 | 475899.0 | 3746749.8 | 463.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006330 |     | 0 | 0.55010E-06 | 475907.5 | 3746749.9 | 463.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006331 |     | 0 | 0.55010E-06 | 475916.0 | 3746750.0 | 463.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006332 |     | 0 | 0.55010E-06 | 475924.5 | 3746750.1 | 462.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006333 |     | 0 | 0.55010E-06 | 475933.0 | 3746750.2 | 462.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006334 |     | 0 | 0.55010E-06 | 475941.5 | 3746750.4 | 462.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006335 |     | 0 | 0.55010E-06 | 475950.0 | 3746750.5 | 462.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006336 |     | 0 | 0.55010E-06 | 475958.5 | 3746750.6 | 462.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006337 |     | 0 | 0.55010E-06 | 475967.0 | 3746750.7 | 462.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006338 |     | 0 | 0.55010E-06 | 475975.5 | 3746750.8 | 462.1 | 4.00 | 3.95 |



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|      |     |          |   |             |          |           |       |      |      |
|------|-----|----------|---|-------------|----------|-----------|-------|------|------|
| 1.86 | YES | L0006339 | 0 | 0.55010E-06 | 475984.0 | 3746750.9 | 462.0 | 4.00 | 3.95 |
| 1.86 | YES | L0006340 | 0 | 0.55010E-06 | 475992.5 | 3746751.1 | 462.0 | 4.00 | 3.95 |
| 1.86 | YES | L0006341 | 0 | 0.55010E-06 | 476001.0 | 3746751.2 | 462.0 | 4.00 | 3.95 |
| 1.86 | YES | L0006342 | 0 | 0.55010E-06 | 476009.5 | 3746751.3 | 462.0 | 4.00 | 3.95 |
| 1.86 | YES | L0006343 | 0 | 0.55010E-06 | 476018.0 | 3746751.4 | 461.7 | 4.00 | 3.95 |
| 1.86 | YES | L0006344 | 0 | 0.55010E-06 | 476026.5 | 3746751.5 | 461.4 | 4.00 | 3.95 |

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

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

| INIT.    | URBAN  | NUMBER   | EMISSION | RATE        |          | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------|----------|-------------|----------|----------|----------|----------|----------|
| SOURCE   | SOURCE | EMISSION | PART.    | (GRAMS/SEC) | X        | Y        | ELEV.    | HEIGHT   | SY       |
| SZ       | ID     | SCALAR   | VARY     |             | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY       |             |          |          |          |          |          |

|          |     |             |          |             |          |           |       |      |      |
|----------|-----|-------------|----------|-------------|----------|-----------|-------|------|------|
| L0006345 | 0   | 0.55010E-06 | 476035.0 | 3746751.6   | 461.2    | 4.00      | 3.95  |      |      |
| 1.86     | YES | L0006346    | 0        | 0.55010E-06 | 476043.5 | 3746751.7 | 461.0 | 4.00 | 3.95 |
| 1.86     | YES | L0006347    | 0        | 0.55010E-06 | 476052.0 | 3746751.9 | 461.0 | 4.00 | 3.95 |
| 1.86     | YES | L0006348    | 0        | 0.55010E-06 | 476060.5 | 3746752.0 | 461.0 | 4.00 | 3.95 |
| 1.86     | YES | L0006349    | 0        | 0.55010E-06 | 476069.0 | 3746752.1 | 461.0 | 4.00 | 3.95 |
| 1.86     | YES | L0006350    | 0        | 0.55010E-06 | 476077.5 | 3746752.2 | 460.8 | 4.00 | 3.95 |
| 1.86     | YES | L0006351    | 0        | 0.55010E-06 | 476086.0 | 3746752.3 | 460.5 | 4.00 | 3.95 |
| 1.86     | YES | L0006352    | 0        | 0.55010E-06 | 476094.5 | 3746752.4 | 460.2 | 4.00 | 3.95 |

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1.86 YES  
L0006353 0 0.55010E-06 476103.0 3746752.5 460.0 4.00 3.95

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

\*\*\* AREA SOURCE DATA \*\*\*

| Y-DIM                               | ORIENT.                             | NUMBER<br>INIT.              | EMISSION RATE<br>URBAN                      | COORD (SW CORNER)<br>EMISSION RATE | BASE<br>ELEV. | RELEASE<br>HEIGHT | X-DIM<br>OF AREA |
|-------------------------------------|-------------------------------------|------------------------------|---|------------------------------------|---------------|-------------------|------------------|
| SOURCE<br>OF AREA<br>ID<br>(METERS) | PART.<br>OF AREA<br>CATS.<br>(DEG.) | (GRAMS/SEC<br>SZ<br>(METERS) | SOURCE<br>SCALAR VARY<br>(METERS)**2)<br>BY | X<br>Y<br>(METERS)<br>(METERS)     | (METERS)      | (METERS)          | (METERS)         |

|        |      |             |          |           |       |      |       |
|--------|------|-------------|----------|-----------|-------|------|-------|
| AREA1  | 0    | 0.44800E-08 | 475113.7 | 3745988.1 | 487.4 | 3.90 | 59.08 |
| 255.83 | 0.34 | 1.80        | YES      |           |       |      |       |
| AREA2  | 0    | 0.33429E-08 | 475380.9 | 3745968.9 | 478.6 | 3.90 | 75.77 |
| 267.30 | 0.26 | 1.80        | YES      |           |       |      |       |

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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* AREAPOLY SOURCE DATA \*\*\*

| INIT.                          | URBAN                    | NUMBER<br>EMISSION RATE                         | LOCATION OF AREA               | BASE<br>ELEV. | RELEASE<br>HEIGHT | NUMBER<br>OF VERTS. |
|--------------------------------|--------------------------|---|--------------------------------|---------------|-------------------|---------------------|
| SOURCE<br>SZ<br>ID<br>(METERS) | PART.<br>SOURCE<br>CATS. | (GRAMS/SEC<br>SCALAR VARY<br>(METERS)**2)<br>BY | X<br>Y<br>(METERS)<br>(METERS) | (METERS)      | (METERS)          | (METERS)            |

|        |   |             |          |           |       |      |   |
|--------|---|-------------|----------|-----------|-------|------|---|
| PAREA1 | 0 | 0.35280E-08 | 474745.4 | 3746238.0 | 502.5 | 3.90 | 9 |
|--------|---|-------------|----------|-----------|-------|------|---|

KnoxBPWorker

1.80 YES  
PAREA2 0 0.50784E-08 475006.4 3746235.2 490.4 3.90 9

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

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

| SRCGROUP ID | SOURCE IDs   |
|-------------|--|
| -----       | -----  |
| ALL         | L0005585 , L0005586 , L0005587 , L0005588 , L0005589 , |
| L0005590    | , L0005591 , L0005592 ,                                |
| L0005598    | L0005593 , L0005594 , L0005595 , L0005596 , L0005597 , |
|             | , L0005599 , L0005600 ,                                |
| L0005606    | L0005601 , L0005602 , L0005603 , L0005604 , L0005605 , |
|             | , L0005607 , L0005608 ,                                |
| L0005614    | L0005609 , L0005610 , L0005611 , L0005612 , L0005613 , |
|             | , L0005615 , L0005616 ,                                |
| L0005622    | L0005617 , L0005618 , L0005619 , L0005620 , L0005621 , |
|             | , L0005623 , L0005624 ,                                |
| L0005630    | L0005625 , L0005626 , L0005627 , L0005628 , L0005629 , |
|             | , L0005631 , L0005632 ,                                |
| L0005638    | L0005633 , L0005634 , L0005635 , L0005636 , L0005637 , |
|             | , L0005639 , L0005640 ,                                |
| L0005646    | L0005641 , L0005642 , L0005643 , L0005644 , L0005645 , |
|             | , L0005647 , L0005648 ,                                |
| L0005654    | L0005649 , L0005650 , L0005651 , L0005652 , L0005653 , |
|             | , L0005655 , L0005656 ,                                |
| L0005662    | L0005657 , L0005658 , L0005659 , L0005660 , L0005661 , |
|             | , L0005663 , L0005664 ,                                |

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L0005670 L0005665 , L0005666 , L0005667 , L0005668 , L0005669 ,  
 , L0005671 , L0005672 , ,  
  
L0005678 L0005673 , L0005674 , L0005675 , L0005676 , L0005677 ,  
 , L0005679 , L0005680 , ,  
  
L0005686 L0005681 , L0005682 , L0005683 , L0005684 , L0005685 ,  
 , L0005687 , L0005688 , ,  
  
L0005694 L0005689 , L0005690 , L0005691 , L0005692 , L0005693 ,  
 , L0005695 , L0005696 , ,  
  
L0005702 L0005697 , L0005698 , L0005699 , L0005700 , L0005701 ,  
 , L0005703 , L0005704 , ,  
  
L0005710 L0005705 , L0005706 , L0005707 , L0005708 , L0005709 ,  
 , L0005711 , L0005712 , ,  
  
L0005718 L0005713 , L0005714 , L0005715 , L0005716 , L0005717 ,  
 , L0005719 , L0005720 , ,  
  
L0005726 L0005721 , L0005722 , L0005723 , L0005724 , L0005725 ,  
 , L0005727 , L0005728 , ,  
  
L0005734 L0005729 , L0005730 , L0005731 , L0005732 , L0005733 ,  
 , L0005735 , L0005736 , ,  
  
L0005742 L0005737 , L0005738 , L0005739 , L0005740 , L0005741 ,  
 , L0005743 , L0005744 , ,

♀ \*\*\* AERMOD - VERSION 15181 \*\*\* C:\Lakes\AERMOD  
View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc \*\*\* 09/25/15  
\*\*\* AERMET - VERSION 14134 \*\*\*  
\*\*\* 10:38:18

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ELEV URBAN

\*\*MODELOPTs: RegDEFAULT CONC

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID SOURCE IDs  
-----

L0005750 L0005745 , L0005746 , L0005747 , L0005748 , L0005749 ,  
 , L0005751 , L0005752 , ,

KnoxBPWorker

L0005758 L0005753 , L0005754 , L0005755 , L0005756 , L0005757 ,  
 , L0005759 , L0005760 , ,

L0005766 L0005761 , L0005762 , L0005763 , L0005764 , L0005765 ,  
 , L0005767 , L0005768 , ,

L0005774 L0005769 , L0005770 , L0005771 , L0005772 , L0005773 ,  
 , L0005775 , L0005776 , ,

L0005782 L0005777 , L0005778 , L0005779 , L0005780 , L0005781 ,  
 , L0005783 , L0005784 , ,

L0005790 L0005785 , L0005786 , L0005787 , L0005788 , L0005789 ,  
 , L0005791 , L0005792 , ,

L0005798 L0005793 , L0005794 , L0005795 , L0005796 , L0005797 ,  
 , L0005799 , L0005800 , ,

L0005806 L0005801 , L0005802 , L0005803 , L0005804 , L0005805 ,  
 , L0005807 , L0005808 , ,

L0005814 L0005809 , L0005810 , L0005811 , L0005812 , L0005813 ,  
 , L0005815 , L0005816 , ,

L0005822 L0005817 , L0005818 , L0005819 , L0005820 , L0005821 ,  
 , L0005823 , L0005824 , ,

L0005830 L0005825 , L0005826 , L0005827 , L0005828 , L0005829 ,  
 , L0005831 , L0005832 , ,

L0005838 L0005833 , L0005834 , L0005835 , L0005836 , L0005837 ,  
 , L0005839 , L0005840 , ,

L0005846 L0005841 , L0005842 , L0005843 , L0005844 , L0005845 ,  
 , L0005847 , L0005848 , ,

L0005854 L0005849 , L0005850 , L0005851 , L0005852 , L0005853 ,  
 , L0005855 , L0005856 , ,

L0005862 L0005857 , L0005858 , L0005859 , L0005860 , L0005861 ,  
 , L0005863 , L0005864 , ,

L0005870 L0005865 , L0005866 , L0005867 , L0005868 , L0005869 ,  
 , L0005871 , L0005872 , ,

L0005878 L0005873 , L0005874 , L0005875 , L0005876 , L0005877 ,  
 , L0005879 , L0005880 , ,

KnoxBPWorker

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L0005886      L0005881      , L0005882      , L0005883      , L0005884      , L0005885      ,
              , L0005887      , L0005888      ,
L0005894      L0005889      , L0005890      , L0005891      , L0005892      , L0005893      ,
              , L0005895      , L0005896      ,
L0005902      L0005897      , L0005898      , L0005899      , L0005900      , L0005901      ,
              , L0005903      , L0005904      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc *** 09/25/15
*** AERMET - VERSION 14134 *** ***
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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID  
-----

SOURCE IDs  
-----

```

L0005910      L0005905      , L0005906      , L0005907      , L0005908      , L0005909      ,
              , L0005911      , L0005912      ,
L0005918      L0005913      , L0005914      , L0005915      , L0005916      , L0005917      ,
              , L0005919      , L0005920      ,
L0005926      L0005921      , L0005922      , L0005923      , L0005924      , L0005925      ,
              , L0005927      , L0005928      ,
L0005934      L0005929      , L0005930      , L0005931      , L0005932      , L0005933      ,
              , L0005935      , L0005936      ,
L0005942      L0005937      , L0005938      , L0005939      , L0005940      , L0005941      ,
              , L0005943      , L0005944      ,
L0005950      L0005945      , L0005946      , L0005947      , L0005948      , L0005949      ,
              , L0005951      , L0005952      ,
L0005958      L0005953      , L0005954      , L0005955      , L0005956      , L0005957      ,
              , L0005959      , L0005960      ,
L0005966      L0005961      , L0005962      , L0005963      , L0005964      , L0005965      ,
              , L0005967      , L0005968      ,

```

KnoxBPWorker

L0005974      L0005969      , L0005970      , L0005971      , L0005972      , L0005973      ,  
                   , L0005975      , L0005976      ,  
  
 L0005982      L0005977      , L0005978      , L0005979      , L0005980      , L0005981      ,  
                   , L0005983      , L0005984      ,  
  
 L0005990      L0005985      , L0005986      , L0005987      , L0005988      , L0005989      ,  
                   , L0005991      , L0005992      ,  
  
 L0005998      L0005993      , L0005994      , L0005995      , L0005996      , L0005997      ,  
                   , L0005999      , L0006000      ,  
  
 L0006006      L0006001      , L0006002      , L0006003      , L0006004      , L0006005      ,  
                   , L0006007      , L0006008      ,  
  
 L0006014      L0006009      , L0006010      , L0006011      , L0006012      , L0006013      ,  
                   , L0006015      , L0006016      ,  
  
 L0006022      L0006017      , L0006018      , L0006019      , L0006020      , L0006021      ,  
                   , L0006023      , L0006024      ,  
  
 L0006030      L0006025      , L0006026      , L0006027      , L0006028      , L0006029      ,  
                   , L0006031      , L0006032      ,  
  
 L0006038      L0006033      , L0006034      , L0006035      , L0006036      , L0006037      ,  
                   , L0006039      , L0006040      ,  
  
 L0006046      L0006041      , L0006042      , L0006043      , L0006044      , L0006045      ,  
                   , L0006047      , L0006048      ,  
  
 L0006054      L0006049      , L0006050      , L0006051      , L0006052      , L0006053      ,  
                   , L0006055      , L0006056      ,  
  
 L0006062      L0006057      , L0006058      , L0006059      , L0006060      , L0006061      ,  
                   , L0006063      , L0006064      ,

♀ \*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc      \*\*\*      09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
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 \*\*MODELOPTs:    RegDEFAULT CONC      ELEV      URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

| SRCGROUP ID<br>----- | KnoxBPWorker           |                          |                 |            |            |   | SOURCE IDs<br>----- |
|----------------------|------------------------|--------------------------|-----------------|------------|------------|---|---------------------|
| L0006070             | L0006065<br>, L0006071 | , L0006066<br>, L0006072 | , L0006067<br>, | , L0006068 | , L0006069 | , |                     |
| L0006078             | L0006073<br>, L0006079 | , L0006074<br>, L0006080 | , L0006075<br>, | , L0006076 | , L0006077 | , |                     |
| L0006086             | L0006081<br>, L0006087 | , L0006082<br>, L0006088 | , L0006083<br>, | , L0006084 | , L0006085 | , |                     |
| L0006094             | L0006089<br>, L0006095 | , L0006090<br>, L0006096 | , L0006091<br>, | , L0006092 | , L0006093 | , |                     |
| L0006102             | L0006097<br>, L0006103 | , L0006098<br>, L0006104 | , L0006099<br>, | , L0006100 | , L0006101 | , |                     |
| L0006110             | L0006105<br>, L0006111 | , L0006106<br>, L0006112 | , L0006107<br>, | , L0006108 | , L0006109 | , |                     |
| L0006118             | L0006113<br>, L0006119 | , L0006114<br>, L0006120 | , L0006115<br>, | , L0006116 | , L0006117 | , |                     |
| L0006126             | L0006121<br>, L0006127 | , L0006122<br>, L0006128 | , L0006123<br>, | , L0006124 | , L0006125 | , |                     |
| L0006134             | L0006129<br>, L0006135 | , L0006130<br>, L0006136 | , L0006131<br>, | , L0006132 | , L0006133 | , |                     |
| L0006142             | L0006137<br>, L0006143 | , L0006138<br>, L0006144 | , L0006139<br>, | , L0006140 | , L0006141 | , |                     |
| L0006150             | L0006145<br>, L0006151 | , L0006146<br>, L0006152 | , L0006147<br>, | , L0006148 | , L0006149 | , |                     |
| L0006158             | L0006153<br>, L0006159 | , L0006154<br>, L0006160 | , L0006155<br>, | , L0006156 | , L0006157 | , |                     |
| L0006166             | L0006161<br>, L0006167 | , L0006162<br>, L0006168 | , L0006163<br>, | , L0006164 | , L0006165 | , |                     |
| L0006174             | L0006169<br>, L0006175 | , L0006170<br>, L0006176 | , L0006171<br>, | , L0006172 | , L0006173 | , |                     |
| L0006182             | L0006177<br>, L0006183 | , L0006178<br>, L0006184 | , L0006179<br>, | , L0006180 | , L0006181 | , |                     |



KnoxBPWorker

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L0006190      L0006185      , L0006186      , L0006187      , L0006188      , L0006189      ,
              , L0006191      , L0006192      ,
L0006198      L0006193      , L0006194      , L0006195      , L0006196      , L0006197      ,
              , L0006199      , L0006200      ,
L0006206      L0006201      , L0006202      , L0006203      , L0006204      , L0006205      ,
              , L0006207      , L0006208      ,
L0006214      L0006209      , L0006210      , L0006211      , L0006212      , L0006213      ,
              , L0006215      , L0006216      ,
L0006222      L0006217      , L0006218      , L0006219      , L0006220      , L0006221      ,
              , L0006223      , L0006224      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc *** 09/25/15
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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

| SRCGROUP ID | SOURCE IDs  |
|-------------|---|
| -----       | -----   |
| L0006230    | L0006225 , L0006226 , L0006227 , L0006228 , L0006229 ,<br>, L0006231 , L0006232 , |
| L0006238    | L0006233 , L0006234 , L0006235 , L0006236 , L0006237 ,<br>, L0006239 , L0006240 , |
| L0006246    | L0006241 , L0006242 , L0006243 , L0006244 , L0006245 ,<br>, L0006247 , L0006248 , |
| L0006254    | L0006249 , L0006250 , L0006251 , L0006252 , L0006253 ,<br>, L0006255 , L0006256 , |
| L0006262    | L0006257 , L0006258 , L0006259 , L0006260 , L0006261 ,<br>, L0006263 , L0006264 , |
| L0006270    | L0006265 , L0006266 , L0006267 , L0006268 , L0006269 ,<br>, L0006271 , L0006272 , |

KnoxBPWorker

L0006278      L0006273      , L0006274      , L0006275      , L0006276      , L0006277      ,  
                  , L0006279      , L0006280      ,  
  
 L0006286      L0006281      , L0006282      , L0006283      , L0006284      , L0006285      ,  
                  , L0006287      , L0006288      ,  
  
 L0006294      L0006289      , L0006290      , L0006291      , L0006292      , L0006293      ,  
                  , L0006295      , L0006296      ,  
  
 L0006302      L0006297      , L0006298      , L0006299      , L0006300      , L0006301      ,  
                  , L0006303      , L0006304      ,  
  
 L0006310      L0006305      , L0006306      , L0006307      , L0006308      , L0006309      ,  
                  , L0006311      , L0006312      ,  
  
 L0006318      L0006313      , L0006314      , L0006315      , L0006316      , L0006317      ,  
                  , L0006319      , L0006320      ,  
  
 L0006326      L0006321      , L0006322      , L0006323      , L0006324      , L0006325      ,  
                  , L0006327      , L0006328      ,  
  
 L0006334      L0006329      , L0006330      , L0006331      , L0006332      , L0006333      ,  
                  , L0006335      , L0006336      ,  
  
 L0006342      L0006337      , L0006338      , L0006339      , L0006340      , L0006341      ,  
                  , L0006343      , L0006344      ,  
  
 L0006350      L0006345      , L0006346      , L0006347      , L0006348      , L0006349      ,  
                  , L0006351      , L0006352      ,

♀ \*\*\* AERMOD - VERSION 15181 \*\*\*      PAREA1      , PAREA2      , AREA1      , AREA2      ,  
 View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc      \*\*\*      09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
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\*\*MODELOPTs:    RegDFAULT CONC      ELEV      URBAN

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

\*\*\*

|          |           |            |
|----------|-----------|------------|
| URBAN ID | URBAN POP | SOURCE IDs |
| -----    | -----     | -----      |

KnoxBPWorker

L0005589 , 2100516. , L0005585 , L0005586 , L0005587 , L0005588 ,  
 L0005592 , L0005590 , L0005591 , ,

L0005598 , L0005593 , L0005594 , L0005595 , L0005596 , L0005597 ,  
 , L0005599 , L0005600 , ,

L0005606 , L0005601 , L0005602 , L0005603 , L0005604 , L0005605 ,  
 , L0005607 , L0005608 , ,

L0005614 , L0005609 , L0005610 , L0005611 , L0005612 , L0005613 ,  
 , L0005615 , L0005616 , ,

L0005622 , L0005617 , L0005618 , L0005619 , L0005620 , L0005621 ,  
 , L0005623 , L0005624 , ,

L0005630 , L0005625 , L0005626 , L0005627 , L0005628 , L0005629 ,  
 , L0005631 , L0005632 , ,

L0005638 , L0005633 , L0005634 , L0005635 , L0005636 , L0005637 ,  
 , L0005639 , L0005640 , ,

L0005646 , L0005641 , L0005642 , L0005643 , L0005644 , L0005645 ,  
 , L0005647 , L0005648 , ,

L0005654 , L0005649 , L0005650 , L0005651 , L0005652 , L0005653 ,  
 , L0005655 , L0005656 , ,

L0005662 , L0005657 , L0005658 , L0005659 , L0005660 , L0005661 ,  
 , L0005663 , L0005664 , ,

L0005670 , L0005665 , L0005666 , L0005667 , L0005668 , L0005669 ,  
 , L0005671 , L0005672 , ,

L0005678 , L0005673 , L0005674 , L0005675 , L0005676 , L0005677 ,  
 , L0005679 , L0005680 , ,

L0005686 , L0005681 , L0005682 , L0005683 , L0005684 , L0005685 ,  
 , L0005687 , L0005688 , ,

L0005694 , L0005689 , L0005690 , L0005691 , L0005692 , L0005693 ,  
 , L0005695 , L0005696 , ,

L0005702 , L0005697 , L0005698 , L0005699 , L0005700 , L0005701 ,  
 , L0005703 , L0005704 , ,

L0005710 , L0005705 , L0005706 , L0005707 , L0005708 , L0005709 ,  
 , L0005711 , L0005712 , ,

KnoxBPWorker

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L0005718      L0005713      , L0005714      , L0005715      , L0005716      , L0005717      ,
, L0005719      , L0005720      ,

L0005726      L0005721      , L0005722      , L0005723      , L0005724      , L0005725      ,
, L0005727      , L0005728      ,

L0005734      L0005729      , L0005730      , L0005731      , L0005732      , L0005733      ,
, L0005735      , L0005736      ,

L0005742      L0005737      , L0005738      , L0005739      , L0005740      , L0005741      ,
, L0005743      , L0005744      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc *** 09/25/15
*** AERMET - VERSION 14134 *** ***
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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

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

\*\*\*

| URBAN ID | URBAN POP           | SOURCE IDs   |
|----------|---------------------|--|
| -----    | -----               | -----  |
| L0005750 | L0005745 , L0005751 | L0005746 , L0005752 , L0005747 , L0005748 , L0005749 , |
| L0005758 | L0005753 , L0005759 | L0005754 , L0005760 , L0005755 , L0005756 , L0005757 , |
| L0005766 | L0005761 , L0005767 | L0005762 , L0005768 , L0005763 , L0005764 , L0005765 , |
| L0005774 | L0005769 , L0005775 | L0005770 , L0005776 , L0005771 , L0005772 , L0005773 , |
| L0005782 | L0005777 , L0005783 | L0005778 , L0005784 , L0005779 , L0005780 , L0005781 , |
| L0005790 | L0005785 , L0005791 | L0005786 , L0005792 , L0005787 , L0005788 , L0005789 , |
| L0005798 | L0005793 , L0005799 | L0005794 , L0005800 , L0005795 , L0005796 , L0005797 , |

KnoxBPWorker

L0005806      L0005801      , L0005802      , L0005803      , L0005804      , L0005805      ,  
                 , L0005807      , L0005808      ,  
  
L0005814      L0005809      , L0005810      , L0005811      , L0005812      , L0005813      ,  
                 , L0005815      , L0005816      ,  
  
L0005822      L0005817      , L0005818      , L0005819      , L0005820      , L0005821      ,  
                 , L0005823      , L0005824      ,  
  
L0005830      L0005825      , L0005826      , L0005827      , L0005828      , L0005829      ,  
                 , L0005831      , L0005832      ,  
  
L0005838      L0005833      , L0005834      , L0005835      , L0005836      , L0005837      ,  
                 , L0005839      , L0005840      ,  
  
L0005846      L0005841      , L0005842      , L0005843      , L0005844      , L0005845      ,  
                 , L0005847      , L0005848      ,  
  
L0005854      L0005849      , L0005850      , L0005851      , L0005852      , L0005853      ,  
                 , L0005855      , L0005856      ,  
  
L0005862      L0005857      , L0005858      , L0005859      , L0005860      , L0005861      ,  
                 , L0005863      , L0005864      ,  
  
L0005870      L0005865      , L0005866      , L0005867      , L0005868      , L0005869      ,  
                 , L0005871      , L0005872      ,  
  
L0005878      L0005873      , L0005874      , L0005875      , L0005876      , L0005877      ,  
                 , L0005879      , L0005880      ,  
  
L0005886      L0005881      , L0005882      , L0005883      , L0005884      , L0005885      ,  
                 , L0005887      , L0005888      ,  
  
L0005894      L0005889      , L0005890      , L0005891      , L0005892      , L0005893      ,  
                 , L0005895      , L0005896      ,  
  
L0005902      L0005897      , L0005898      , L0005899      , L0005900      , L0005901      ,  
                 , L0005903      , L0005904      ,

♀ \*\*\* AERMOD - VERSION 15181 \*\*\*      C:\Lakes\AERMOD  
View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc      \*\*\*      09/25/15  
\*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
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KnoxBPWorker

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

\*\*\*

| URBAN ID<br>----- | URBAN POP<br>-----     | SOURCE IDs<br>-----      |                 |            |            |   |  |
|-------------------|------------------------|--------------------------|-----------------|------------|------------|---|--|
| L0005910          | L0005905<br>, L0005911 | , L0005906<br>, L0005912 | , L0005907<br>, | , L0005908 | , L0005909 | , |  |
| L0005918          | L0005913<br>, L0005919 | , L0005914<br>, L0005920 | , L0005915<br>, | , L0005916 | , L0005917 | , |  |
| L0005926          | L0005921<br>, L0005927 | , L0005922<br>, L0005928 | , L0005923<br>, | , L0005924 | , L0005925 | , |  |
| L0005934          | L0005929<br>, L0005935 | , L0005930<br>, L0005936 | , L0005931<br>, | , L0005932 | , L0005933 | , |  |
| L0005942          | L0005937<br>, L0005943 | , L0005938<br>, L0005944 | , L0005939<br>, | , L0005940 | , L0005941 | , |  |
| L0005950          | L0005945<br>, L0005951 | , L0005946<br>, L0005952 | , L0005947<br>, | , L0005948 | , L0005949 | , |  |
| L0005958          | L0005953<br>, L0005959 | , L0005954<br>, L0005960 | , L0005955<br>, | , L0005956 | , L0005957 | , |  |
| L0005966          | L0005961<br>, L0005967 | , L0005962<br>, L0005968 | , L0005963<br>, | , L0005964 | , L0005965 | , |  |
| L0005974          | L0005969<br>, L0005975 | , L0005970<br>, L0005976 | , L0005971<br>, | , L0005972 | , L0005973 | , |  |
| L0005982          | L0005977<br>, L0005983 | , L0005978<br>, L0005984 | , L0005979<br>, | , L0005980 | , L0005981 | , |  |
| L0005990          | L0005985<br>, L0005991 | , L0005986<br>, L0005992 | , L0005987<br>, | , L0005988 | , L0005989 | , |  |
| L0005998          | L0005993<br>, L0005999 | , L0005994<br>, L0006000 | , L0005995<br>, | , L0005996 | , L0005997 | , |  |
| L0006006          | L0006001<br>, L0006007 | , L0006002<br>, L0006008 | , L0006003<br>, | , L0006004 | , L0006005 | , |  |
| L0006014          | L0006009<br>, L0006015 | , L0006010<br>, L0006016 | , L0006011<br>, | , L0006012 | , L0006013 | , |  |

KnoxBPWorker

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L0006022    L0006017    , L0006018    , L0006019    , L0006020    , L0006021    ,
            , L0006023    , L0006024    ,
L0006030    L0006025    , L0006026    , L0006027    , L0006028    , L0006029    ,
            , L0006031    , L0006032    ,
L0006038    L0006033    , L0006034    , L0006035    , L0006036    , L0006037    ,
            , L0006039    , L0006040    ,
L0006046    L0006041    , L0006042    , L0006043    , L0006044    , L0006045    ,
            , L0006047    , L0006048    ,
L0006054    L0006049    , L0006050    , L0006051    , L0006052    , L0006053    ,
            , L0006055    , L0006056    ,
L0006062    L0006057    , L0006058    , L0006059    , L0006060    , L0006061    ,
            , L0006063    , L0006064    ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc *** 09/25/15
*** AERMET - VERSION 14134 *** ***
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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

\*\*\*

| URBAN ID | URBAN POP           | SOURCE IDs                                |
|----------|---------------------|---|
| -----    | -----               | -----                                     |
| L0006070 | L0006065 , L0006071 | L0006066 , L0006067 , L0006068 , L0006069 |
| L0006078 | L0006073 , L0006079 | L0006074 , L0006075 , L0006076 , L0006077 |
| L0006086 | L0006081 , L0006087 | L0006082 , L0006083 , L0006084 , L0006085 |
| L0006094 | L0006089 , L0006095 | L0006090 , L0006091 , L0006092 , L0006093 |
| L0006102 | L0006097 , L0006103 | L0006098 , L0006099 , L0006100 , L0006101 |

KnoxBPWorker

L0006110 L0006105 , L0006106 , L0006107 , L0006108 , L0006109 ,  
 , L0006111 , L0006112 , ,

L0006118 L0006113 , L0006114 , L0006115 , L0006116 , L0006117 ,  
 , L0006119 , L0006120 , ,

L0006126 L0006121 , L0006122 , L0006123 , L0006124 , L0006125 ,  
 , L0006127 , L0006128 , ,

L0006134 L0006129 , L0006130 , L0006131 , L0006132 , L0006133 ,  
 , L0006135 , L0006136 , ,

L0006142 L0006137 , L0006138 , L0006139 , L0006140 , L0006141 ,  
 , L0006143 , L0006144 , ,

L0006150 L0006145 , L0006146 , L0006147 , L0006148 , L0006149 ,  
 , L0006151 , L0006152 , ,

L0006158 L0006153 , L0006154 , L0006155 , L0006156 , L0006157 ,  
 , L0006159 , L0006160 , ,

L0006166 L0006161 , L0006162 , L0006163 , L0006164 , L0006165 ,  
 , L0006167 , L0006168 , ,

L0006174 L0006169 , L0006170 , L0006171 , L0006172 , L0006173 ,  
 , L0006175 , L0006176 , ,

L0006182 L0006177 , L0006178 , L0006179 , L0006180 , L0006181 ,  
 , L0006183 , L0006184 , ,

L0006190 L0006185 , L0006186 , L0006187 , L0006188 , L0006189 ,  
 , L0006191 , L0006192 , ,

L0006198 L0006193 , L0006194 , L0006195 , L0006196 , L0006197 ,  
 , L0006199 , L0006200 , ,

L0006206 L0006201 , L0006202 , L0006203 , L0006204 , L0006205 ,  
 , L0006207 , L0006208 , ,

L0006214 L0006209 , L0006210 , L0006211 , L0006212 , L0006213 ,  
 , L0006215 , L0006216 , ,

L0006222 L0006217 , L0006218 , L0006219 , L0006220 , L0006221 ,  
 , L0006223 , L0006224 , ,

♀ \*\*\* AERMOD - VERSION 15181 \*\*\* C:\Lakes\AERMOD  
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 \*\*\* AERMET - VERSION 14134 \*\*\*



KnoxBPWorker  
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ELEV URBAN

\*\*MODELOPTs: RegDEFAULT CONC

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

\*\*\*

| URBAN ID | URBAN POP           | SOURCE IDs          |            |            |            |  |  |
|----------|---------------------|---------------------|------------|------------|------------|--|--|
| -----    | -----               | -----               |            |            |            |  |  |
| L0006230 | L0006225 , L0006231 | L0006226 , L0006232 | L0006227 , | L0006228 , | L0006229 , |  |  |
| L0006238 | L0006233 , L0006239 | L0006234 , L0006240 | L0006235 , | L0006236 , | L0006237 , |  |  |
| L0006246 | L0006241 , L0006247 | L0006242 , L0006248 | L0006243 , | L0006244 , | L0006245 , |  |  |
| L0006254 | L0006249 , L0006255 | L0006250 , L0006256 | L0006251 , | L0006252 , | L0006253 , |  |  |
| L0006262 | L0006257 , L0006263 | L0006258 , L0006264 | L0006259 , | L0006260 , | L0006261 , |  |  |
| L0006270 | L0006265 , L0006271 | L0006266 , L0006272 | L0006267 , | L0006268 , | L0006269 , |  |  |
| L0006278 | L0006273 , L0006279 | L0006274 , L0006280 | L0006275 , | L0006276 , | L0006277 , |  |  |
| L0006286 | L0006281 , L0006287 | L0006282 , L0006288 | L0006283 , | L0006284 , | L0006285 , |  |  |
| L0006294 | L0006289 , L0006295 | L0006290 , L0006296 | L0006291 , | L0006292 , | L0006293 , |  |  |
| L0006302 | L0006297 , L0006303 | L0006298 , L0006304 | L0006299 , | L0006300 , | L0006301 , |  |  |
| L0006310 | L0006305 , L0006311 | L0006306 , L0006312 | L0006307 , | L0006308 , | L0006309 , |  |  |
| L0006318 | L0006313 , L0006319 | L0006314 , L0006320 | L0006315 , | L0006316 , | L0006317 , |  |  |

KnoxBPWorker

L0006326      L0006321      , L0006322      , L0006323      , L0006324      , L0006325      ,  
                  , L0006327      , L0006328      ,  
  
 L0006334      L0006329      , L0006330      , L0006331      , L0006332      , L0006333      ,  
                  , L0006335      , L0006336      ,  
  
 L0006342      L0006337      , L0006338      , L0006339      , L0006340      , L0006341      ,  
                  , L0006343      , L0006344      ,  
  
 L0006350      L0006345      , L0006346      , L0006347      , L0006348      , L0006349      ,  
                  , L0006351      , L0006352      ,

                 L0006353      , PAREA1      , PAREA2      , AREA1      , AREA2      ,  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc      \*\*\*      09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
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\*\*MODELOPTs:    RegDFAULT CONC      ELEV      URBAN

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

( 474664.9, 3746299.9,      509.9,      523.0,      0.0);      ( 474662.0,  
 3746153.1,      507.5,      507.5,      0.0);  
 ( 474663.5, 3746228.0,      510.2,      517.0,      0.0);      ( 474771.4,  
 3745956.1,      506.3,      521.0,      0.0);  
 ( 474870.6, 3745958.9,      498.4,      517.0,      0.0);      ( 474997.2,  
 3745954.6,      493.4,      493.4,      0.0);  
 ( 475493.6, 3746291.3,      474.1,      474.1,      0.0);      ( 475487.8,  
 3746194.9,      475.4,      475.4,      0.0);  
 ( 475489.2, 3746118.6,      475.4,      475.4,      0.0);      ( 475487.8,  
 3746026.5,      475.2,      475.2,      0.0);  
 ( 475487.8, 3745983.4,      475.4,      475.4,      0.0);      ( 475983.6,  
 3745850.6,      464.9,      464.9,      0.0);  
 ( 475666.2, 3746386.1,      469.2,      469.2,      0.0);      ( 475458.0,  
 3746392.7,      473.6,      473.6,      0.0);  
 ( 475552.8, 3746390.5,      472.1,      472.1,      0.0);      ( 475923.0,  
 3746380.6,      464.9,      464.9,      0.0);  
 ( 475680.6, 3746815.8,      467.0,      467.0,      0.0);      ( 475845.8,  
 3746556.8,      465.5,      465.5,      0.0);

♀ \*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc      \*\*\*      09/25/15  
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                  \*\*\*      10:38:18

\*\*MODELOPTs: RegDEFAULT CONC

ELEV URBAN

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

```

      1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
    
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

\*\*\* UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED

CATEGORIES \*\*\* (METERS/SEC)

10.80, 1.54, 3.09, 5.14, 8.23,

```

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc *** 09/25/15
*** AERMET - VERSION 14134 *** ***
*** 10:38:18
    
```

\*\*MODELOPTs: RegDEFAULT CONC

ELEV URBAN

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

```

Surface file: ..\SRA24_Met Data\peri8.sfc
Met Version: 14134
    
```

KnoxBPWorker

Profile file: ..\SRA24\_Met Data\peri8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3190  
Name: UNKNOWN

Upper air station no.: 3190  
Name: UNKNOWN

Year: 2007

Year: 2007

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     |        |       |       |         |      |      |       |
| 07     | 01   | 01   | 1   | 01    | -0.5  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 3.0     | 0.19 | 1.00 |       |
| 1.00   | 0.50 | 133. | 9.1 | 279.9 | 5.5   |       |        |        |       |       |         |      |      |       |
| 07     | 01   | 01   | 1   | 02    | -0.5  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 3.0     | 0.19 | 1.00 |       |
| 1.00   | 0.50 | 192. | 9.1 | 279.2 | 5.5   |       |        |        |       |       |         |      |      |       |
| 07     | 01   | 01   | 1   | 03    | -0.5  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 3.0     | 0.19 | 1.00 |       |
| 1.00   | 0.50 | 160. | 9.1 | 277.5 | 5.5   |       |        |        |       |       |         |      |      |       |
| 07     | 01   | 01   | 1   | 04    | -0.5  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 3.0     | 0.19 | 1.00 |       |
| 1.00   | 0.50 | 75.  | 9.1 | 277.5 | 5.5   |       |        |        |       |       |         |      |      |       |
| 07     | 01   | 01   | 1   | 05    | -0.6  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 2.6     | 0.19 | 1.00 |       |
| 1.00   | 0.50 | 282. | 9.1 | 278.8 | 5.5   |       |        |        |       |       |         |      |      |       |
| 07     | 01   | 01   | 1   | 06    | -0.6  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 2.6     | 0.19 | 1.00 |       |
| 1.00   | 0.50 | 96.  | 9.1 | 277.5 | 5.5   |       |        |        |       |       |         |      |      |       |
| 07     | 01   | 01   | 1   | 07    | -0.5  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 3.0     | 0.19 | 1.00 |       |
| 1.00   | 0.50 | 129. | 9.1 | 278.1 | 5.5   |       |        |        |       |       |         |      |      |       |
| 07     | 01   | 01   | 1   | 08    | -0.4  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 3.7     | 0.19 | 1.00 |       |
| 0.54   | 0.50 | 99.  | 9.1 | 277.5 | 5.5   |       |        |        |       |       |         |      |      |       |
| 07     | 01   | 01   | 1   | 09    | 27.8  | 0.091 | 0.542  | 0.005  | 196.  | 66.   | -2.3    | 0.19 | 1.00 |       |
| 0.33   | 0.50 | 133. | 9.1 | 278.1 | 5.5   |       |        |        |       |       |         |      |      |       |
| 07     | 01   | 01   | 1   | 10    | 76.9  | 0.104 | 1.050  | 0.005  | 516.  | 81.   | -1.3    | 0.19 | 1.00 |       |
| 0.26   | 0.50 | 174. | 9.1 | 281.4 | 5.5   |       |        |        |       |       |         |      |      |       |
| 07     | 01   | 01   | 1   | 11    | 110.0 | 0.109 | 1.374  | 0.009  | 810.  | 87.   | -1.0    | 0.19 | 1.00 |       |
| 0.23   | 0.50 | 95.  | 9.1 | 284.9 | 5.5   |       |        |        |       |       |         |      |      |       |
| 07     | 01   | 01   | 1   | 12    | 125.7 | 0.201 | 1.589  | 0.018  | 1095. | 216.  | -5.5    | 0.19 | 1.00 |       |
| 0.22   | 1.30 | 94.  | 9.1 | 288.1 | 5.5   |       |        |        |       |       |         |      |      |       |
| 07     | 01   | 01   | 1   | 13    | 121.7 | 0.287 | 1.641  | 0.022  | 1248. | 369.  | -16.6   | 0.19 | 1.00 |       |
| 0.22   | 2.20 | 24.  | 9.1 | 291.4 | 5.5   |       |        |        |       |       |         |      |      |       |
| 07     | 01   | 01   | 1   | 14    | 102.8 | 0.414 | 1.559  | 0.021  | 1265. | 639.  | -59.1   | 0.19 | 1.00 |       |
| 0.23   | 3.60 | 13.  | 9.1 | 292.5 | 5.5   |       |        |        |       |       |         |      |      |       |
| 07     | 01   | 01   | 1   | 15    | 69.9  | 0.619 | 1.374  | 0.021  | 1276. | 1169. | -291.2  | 0.19 | 1.00 |       |
| 0.27   | 5.80 | 318. | 9.1 | 292.0 | 5.5   |       |        |        |       |       |         |      |      |       |
| 07     | 01   | 01   | 1   | 16    | 16.8  | 0.607 | 0.856  | 0.021  | 1277. | 1135. | -1137.8 | 0.19 | 1.00 |       |
| 0.36   | 5.80 | 329. | 9.1 | 291.4 | 5.5   |       |        |        |       |       |         |      |      |       |

KnoxBPWorker

|      |      |      |   |     |       |       |        |        |       |      |       |      |      |
|------|------|------|---|-----|-------|-------|--------|--------|-------|------|-------|------|------|
| 07   | 01   | 01   | 1 | 17  | -42.2 | 0.437 | -9.000 | -9.000 | -999. | 720. | 169.3 | 0.19 | 1.00 |
| 0.64 | 4.50 | 333. |   | 9.1 | 289.9 | 5.5   |        |        |       |      |       |      |      |
| 07   | 01   | 01   | 1 | 18  | -18.5 | 0.353 | -9.000 | -9.000 | -999. | 510. | 204.1 | 0.19 | 1.00 |
| 1.00 | 3.60 | 305. |   | 9.1 | 288.8 | 5.5   |        |        |       |      |       |      |      |
| 07   | 01   | 01   | 1 | 19  | -42.3 | 0.437 | -9.000 | -9.000 | -999. | 692. | 168.7 | 0.19 | 1.00 |
| 1.00 | 4.50 | 276. |   | 9.1 | 287.5 | 5.5   |        |        |       |      |       |      |      |
| 07   | 01   | 01   | 1 | 20  | -32.3 | 0.334 | -9.000 | -9.000 | -999. | 470. | 98.6  | 0.19 | 1.00 |
| 1.00 | 3.60 | 323. |   | 9.1 | 287.5 | 5.5   |        |        |       |      |       |      |      |
| 07   | 01   | 01   | 1 | 21  | -36.7 | 0.380 | -9.000 | -9.000 | -999. | 562. | 128.3 | 0.19 | 1.00 |
| 1.00 | 4.00 | 322. |   | 9.1 | 288.1 | 5.5   |        |        |       |      |       |      |      |
| 07   | 01   | 01   | 1 | 22  | -45.6 | 0.434 | -9.000 | -9.000 | -999. | 685. | 153.6 | 0.19 | 1.00 |
| 1.00 | 4.50 | 30.  |   | 9.1 | 288.1 | 5.5   |        |        |       |      |       |      |      |
| 07   | 01   | 01   | 1 | 23  | -39.7 | 0.377 | -9.000 | -9.000 | -999. | 557. | 115.4 | 0.19 | 1.00 |
| 1.00 | 4.00 | 343. |   | 9.1 | 287.0 | 5.5   |        |        |       |      |       |      |      |
| 07   | 01   | 01   | 1 | 24  | -7.7  | 0.093 | -9.000 | -9.000 | -999. | 215. | 9.1   | 0.19 | 1.00 |
| 1.00 | 1.80 | 155. |   | 9.1 | 283.8 | 5.5   |        |        |       |      |       |      |      |

First hour of profile data

| YR | MO | DY | HR | HEIGHT | F | WDIR  | WSPD   | AMB_TMP | sigmaA | sigmaW | sigmaV |
|----|----|----|----|--------|---|-------|--------|---------|--------|--------|--------|
| 07 | 01 | 01 | 01 | 5.5    | 0 | -999. | -99.00 | 279.9   | 99.0   | -99.00 | -99.00 |
| 07 | 01 | 01 | 01 | 9.1    | 1 | 133.  | 0.50   | -999.0  | 99.0   | -99.00 | -99.00 |

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

♀ \*\*\* AERMOD - VERSION 15181 \*\*\* C:\Lakes\AERMOD  
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 \*\*\* AERMET - VERSION 14134 \*\*\*  
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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5  
 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0005585 , L0005586  
 , L0005587 , L0005588 , L0005589 ,  
 , L0005590 , L0005591 , L0005592 , L0005593 , L0005594  
 , L0005595 , L0005596 , L0005597 ,  
 , L0005598 , L0005599 , L0005600 , L0005601 , L0005602  
 , L0005603 , L0005604 , L0005605 ,  
 , L0005606 , L0005607 , L0005608 , L0005609 , L0005610  
 , L0005611 , L0005612 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

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

\*\*

KnoxBPWorker

| Y-COORD (M) | X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) |
|-------------|-------------|-------------|---------|-------------|
| 3746153.15  | 474664.93   | 3746299.89  | 0.00491 | 474662.05   |
| 3745956.06  | 474663.49   | 3746227.96  | 0.00529 | 474771.38   |
| 3745954.62  | 474870.65   | 3745958.94  | 0.01138 | 474997.25   |
| 3746194.87  | 475493.57   | 3746291.26  | 0.01028 | 475487.82   |
| 3746026.55  | 475489.25   | 3746118.62  | 0.01452 | 475487.82   |
| 3745850.62  | 475487.82   | 3745983.39  | 0.01218 | 475983.57   |
| 3746392.70  | 475666.25   | 3746386.09  | 0.00719 | 475458.03   |
| 3746380.58  | 475552.78   | 3746390.49  | 0.00754 | 475922.95   |
| 3746556.85  | 475680.57   | 3746815.75  | 0.00318 | 475845.83   |

♀ \*\*\* AERMOD - VERSION 15181 \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*  
 \*\*\* 10:38:18

\*\*MODELOPTs: RegDEFAULT CONC PAGE 38  
 ELEV URBAN

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS  
 AVERAGED OVER 5 YEARS \*\*\*

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

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

ALL 1ST HIGHEST VALUE IS 0.01452 AT ( 475489.25, 3746118.62,  
 475.40, 475.40, 0.00) DC  
 2ND HIGHEST VALUE IS 0.01371 AT ( 475487.82, 3746026.55,

KnoxBPWorker

|         |         |       |    |         |      |            |             |
|---------|---------|-------|----|---------|------|------------|-------------|
| 475.18, | 475.18, | 0.00) | DC | 0.01322 | AT ( | 474997.25, | 3745954.62, |
| 493.36, | 493.36, | 0.00) | DC | 0.01274 | AT ( | 475487.82, | 3746194.87, |
| 475.41, | 475.41, | 0.00) | DC | 0.01218 | AT ( | 475487.82, | 3745983.39, |
| 475.41, | 475.41, | 0.00) | DC | 0.01138 | AT ( | 474870.65, | 3745958.94, |
| 498.38, | 517.00, | 0.00) | DC | 0.01028 | AT ( | 475493.57, | 3746291.26, |
| 474.13, | 474.13, | 0.00) | DC | 0.00843 | AT ( | 475458.03, | 3746392.70, |
| 473.64, | 473.64, | 0.00) | DC | 0.00772 | AT ( | 475922.95, | 3746380.58, |
| 464.90, | 464.90, | 0.00) | DC | 0.00772 | AT ( | 474771.38, | 3745956.06, |
| 506.29, | 521.00, | 0.00) | DC |         |      |            |             |

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

♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPWorker\KnoxBPWorker.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 10:38:18

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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

A Total of 0 Fatal Error Message(s)  
 A Total of 1 Warning Message(s)  
 A Total of 1895 Informational Message(s)  
 A Total of 43824 Hours Were Processed  
 A Total of 90 Calm Hours Identified  
 A Total of 1805 Missing Hours Identified ( 4.12 Percent)

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

KnoxBPWorker

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

ME W531 1883 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for  
SURFDATA

\*\*\*\*\*  
\*\*\* AERMOD Finishes Successfully \*\*\*  
\*\*\*\*\*



KnoxBPSchool

\*\*

\*\*\*\*\*

\*\*

\*\* AERMOD Input Produced by:  
\*\* AERMOD View Ver. 9.0.0  
\*\* Lakes Environmental Software Inc.  
\*\* Date: 9/25/2015  
\*\* File: C:\Lakes\AERMOD View\KnoxBP\KnoxBPSchool\KnoxBPSchool.ADI

\*\*

\*\*\*\*\*

\*\*

\*\*

\*\*\*\*\*

\*\* AERMOD Control Pathway  
\*\*\*\*\*

\*\*

\*\*

CO STARTING  
TITLEONE C:\Lakes\AERMOD View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc  
MODELOPT DFAULT CONC  
AVERTIME ANNUAL  
URBANOPT 2100516  
POLLUTID DPM  
RUNORNOT RUN  
ERRORFIL KnoxBPSchool.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 Idling Building E (West Side)  
\*\* PREFIX

\*\* Length of Side = 8.50  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 0.00005201  
\*\* Vertical Dimension = 4.00  
\*\* SZINIT = 1.86

\*\* Nodes = 2  
\*\* 474824.850, 3746236.554, 497.36, 4.00, 3.95  
\*\* 474820.373, 3745997.196, 500.21, 4.00, 3.95

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```

** -----
LOCATION L0005585      VOLUME  474824.771 3746232.304 496.81
LOCATION L0005586      VOLUME  474824.612 3746223.806 496.96
LOCATION L0005587      VOLUME  474824.453 3746215.307 497.11
LOCATION L0005588      VOLUME  474824.294 3746206.809 497.26
LOCATION L0005589      VOLUME  474824.135 3746198.310 497.40
LOCATION L0005590      VOLUME  474823.976 3746189.812 497.55
LOCATION L0005591      VOLUME  474823.817 3746181.313 498.12
LOCATION L0005592      VOLUME  474823.658 3746172.815 498.69
LOCATION L0005593      VOLUME  474823.499 3746164.316 499.26
LOCATION L0005594      VOLUME  474823.340 3746155.818 499.43
LOCATION L0005595      VOLUME  474823.181 3746147.319 499.19
LOCATION L0005596      VOLUME  474823.022 3746138.821 498.95
LOCATION L0005597      VOLUME  474822.863 3746130.322 498.72
LOCATION L0005598      VOLUME  474822.704 3746121.824 498.57
LOCATION L0005599      VOLUME  474822.545 3746113.325 498.42
LOCATION L0005600      VOLUME  474822.386 3746104.827 498.27
LOCATION L0005601      VOLUME  474822.227 3746096.328 498.18
LOCATION L0005602      VOLUME  474822.068 3746087.830 498.20
LOCATION L0005603      VOLUME  474821.909 3746079.331 498.21
LOCATION L0005604      VOLUME  474821.750 3746070.833 498.22
LOCATION L0005605      VOLUME  474821.591 3746062.334 498.48
LOCATION L0005606      VOLUME  474821.432 3746053.836 498.78
LOCATION L0005607      VOLUME  474821.273 3746045.337 499.07
LOCATION L0005608      VOLUME  474821.114 3746036.839 499.26
LOCATION L0005609      VOLUME  474820.955 3746028.340 499.27
LOCATION L0005610      VOLUME  474820.796 3746019.842 499.28
LOCATION L0005611      VOLUME  474820.637 3746011.343 499.29
LOCATION L0005612      VOLUME  474820.478 3746002.845 499.38

```

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

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC Idling Building E (East Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00005201

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475022.016, 3746232.412, 489.79, 4.00, 3.95

\*\* 475017.538, 3745993.054, 491.56, 4.00, 3.95

\*\* -----

```

LOCATION L0005613      VOLUME  475021.937 3746228.162 489.89
LOCATION L0005614      VOLUME  475021.778 3746219.664 489.87
LOCATION L0005615      VOLUME  475021.619 3746211.165 489.61
LOCATION L0005616      VOLUME  475021.460 3746202.667 489.35

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|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0005617 | VOLUME | 475021.301 | 3746194.168 | 489.09 |
| LOCATION | L0005618 | VOLUME | 475021.142 | 3746185.670 | 489.11 |
| LOCATION | L0005619 | VOLUME | 475020.983 | 3746177.171 | 489.39 |
| LOCATION | L0005620 | VOLUME | 475020.824 | 3746168.673 | 489.68 |
| LOCATION | L0005621 | VOLUME | 475020.665 | 3746160.174 | 489.97 |
| LOCATION | L0005622 | VOLUME | 475020.506 | 3746151.676 | 489.71 |
| LOCATION | L0005623 | VOLUME | 475020.347 | 3746143.177 | 489.43 |
| LOCATION | L0005624 | VOLUME | 475020.188 | 3746134.679 | 489.15 |
| LOCATION | L0005625 | VOLUME | 475020.029 | 3746126.180 | 489.13 |
| LOCATION | L0005626 | VOLUME | 475019.870 | 3746117.682 | 489.41 |
| LOCATION | L0005627 | VOLUME | 475019.711 | 3746109.183 | 489.70 |
| LOCATION | L0005628 | VOLUME | 475019.552 | 3746100.685 | 489.99 |
| LOCATION | L0005629 | VOLUME | 475019.393 | 3746092.186 | 490.02 |
| LOCATION | L0005630 | VOLUME | 475019.234 | 3746083.688 | 490.03 |
| LOCATION | L0005631 | VOLUME | 475019.075 | 3746075.189 | 490.03 |
| LOCATION | L0005632 | VOLUME | 475018.916 | 3746066.691 | 490.04 |
| LOCATION | L0005633 | VOLUME | 475018.757 | 3746058.192 | 490.06 |
| LOCATION | L0005634 | VOLUME | 475018.598 | 3746049.694 | 490.08 |
| LOCATION | L0005635 | VOLUME | 475018.439 | 3746041.195 | 490.10 |
| LOCATION | L0005636 | VOLUME | 475018.280 | 3746032.697 | 490.34 |
| LOCATION | L0005637 | VOLUME | 475018.121 | 3746024.198 | 490.62 |
| LOCATION | L0005638 | VOLUME | 475017.962 | 3746015.700 | 490.89 |
| LOCATION | L0005639 | VOLUME | 475017.803 | 3746007.201 | 491.08 |
| LOCATION | L0005640 | VOLUME | 475017.644 | 3745998.702 | 491.11 |

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Idling Building D (West Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00006575

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475163.781, 3746230.017, 485.24, 4.00, 3.95

\*\* 475159.303, 3745990.660, 487.81, 4.00, 3.95

\*\*

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0005641 | VOLUME | 475163.701 | 3746225.768 | 485.02 |
| LOCATION | L0005642 | VOLUME | 475163.542 | 3746217.269 | 485.14 |
| LOCATION | L0005643 | VOLUME | 475163.383 | 3746208.771 | 484.93 |
| LOCATION | L0005644 | VOLUME | 475163.224 | 3746200.272 | 484.72 |
| LOCATION | L0005645 | VOLUME | 475163.065 | 3746191.774 | 484.51 |
| LOCATION | L0005646 | VOLUME | 475162.906 | 3746183.275 | 484.64 |
| LOCATION | L0005647 | VOLUME | 475162.747 | 3746174.777 | 484.87 |
| LOCATION | L0005648 | VOLUME | 475162.588 | 3746166.278 | 485.09 |
| LOCATION | L0005649 | VOLUME | 475162.429 | 3746157.780 | 485.25 |

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|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005650 | VOLUME | 475162.270 | 3746149.281 | 485.26 |
| LOCATION L0005651 | VOLUME | 475162.111 | 3746140.783 | 485.26 |
| LOCATION L0005652 | VOLUME | 475161.953 | 3746132.284 | 485.27 |
| LOCATION L0005653 | VOLUME | 475161.794 | 3746123.785 | 485.48 |
| LOCATION L0005654 | VOLUME | 475161.635 | 3746115.287 | 485.77 |
| LOCATION L0005655 | VOLUME | 475161.476 | 3746106.788 | 486.06 |
| LOCATION L0005656 | VOLUME | 475161.317 | 3746098.290 | 486.29 |
| LOCATION L0005657 | VOLUME | 475161.158 | 3746089.791 | 486.29 |
| LOCATION L0005658 | VOLUME | 475160.999 | 3746081.293 | 486.30 |
| LOCATION L0005659 | VOLUME | 475160.840 | 3746072.794 | 486.31 |
| LOCATION L0005660 | VOLUME | 475160.681 | 3746064.296 | 486.50 |
| LOCATION L0005661 | VOLUME | 475160.522 | 3746055.797 | 486.79 |
| LOCATION L0005662 | VOLUME | 475160.363 | 3746047.299 | 487.08 |
| LOCATION L0005663 | VOLUME | 475160.204 | 3746038.800 | 487.35 |
| LOCATION L0005664 | VOLUME | 475160.045 | 3746030.302 | 487.55 |
| LOCATION L0005665 | VOLUME | 475159.886 | 3746021.803 | 487.74 |
| LOCATION L0005666 | VOLUME | 475159.727 | 3746013.305 | 487.93 |
| LOCATION L0005667 | VOLUME | 475159.568 | 3746004.806 | 488.00 |
| LOCATION L0005668 | VOLUME | 475159.409 | 3745996.308 | 488.00 |

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC Idling Building D (East Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00006575

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475392.233, 3746223.791, 477.76, 4.00, 3.95

\*\* 475387.755, 3745984.434, 478.87, 4.00, 3.95

\*\*

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005669 | VOLUME | 475392.153 | 3746219.541 | 477.59 |
| LOCATION L0005670 | VOLUME | 475391.994 | 3746211.043 | 477.60 |
| LOCATION L0005671 | VOLUME | 475391.835 | 3746202.544 | 477.61 |
| LOCATION L0005672 | VOLUME | 475391.676 | 3746194.046 | 477.61 |
| LOCATION L0005673 | VOLUME | 475391.517 | 3746185.547 | 477.56 |
| LOCATION L0005674 | VOLUME | 475391.358 | 3746177.049 | 477.46 |
| LOCATION L0005675 | VOLUME | 475391.200 | 3746168.550 | 477.36 |
| LOCATION L0005676 | VOLUME | 475391.041 | 3746160.052 | 477.26 |
| LOCATION L0005677 | VOLUME | 475390.882 | 3746151.553 | 477.27 |
| LOCATION L0005678 | VOLUME | 475390.723 | 3746143.055 | 477.29 |
| LOCATION L0005679 | VOLUME | 475390.564 | 3746134.556 | 477.30 |
| LOCATION L0005680 | VOLUME | 475390.405 | 3746126.058 | 477.35 |
| LOCATION L0005681 | VOLUME | 475390.246 | 3746117.559 | 477.46 |
| LOCATION L0005682 | VOLUME | 475390.087 | 3746109.061 | 477.56 |

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|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005683 | VOLUME | 475389.928 | 3746100.562 | 477.66 |
| LOCATION L0005684 | VOLUME | 475389.769 | 3746092.064 | 477.67 |
| LOCATION L0005685 | VOLUME | 475389.610 | 3746083.565 | 477.68 |
| LOCATION L0005686 | VOLUME | 475389.451 | 3746075.067 | 477.68 |
| LOCATION L0005687 | VOLUME | 475389.292 | 3746066.568 | 477.69 |
| LOCATION L0005688 | VOLUME | 475389.133 | 3746058.070 | 477.70 |
| LOCATION L0005689 | VOLUME | 475388.974 | 3746049.571 | 477.70 |
| LOCATION L0005690 | VOLUME | 475388.815 | 3746041.073 | 477.71 |
| LOCATION L0005691 | VOLUME | 475388.656 | 3746032.574 | 477.96 |
| LOCATION L0005692 | VOLUME | 475388.497 | 3746024.076 | 478.25 |
| LOCATION L0005693 | VOLUME | 475388.338 | 3746015.577 | 478.54 |
| LOCATION L0005694 | VOLUME | 475388.179 | 3746007.079 | 478.73 |
| LOCATION L0005695 | VOLUME | 475388.020 | 3745998.580 | 478.73 |
| LOCATION L0005696 | VOLUME | 475387.861 | 3745990.082 | 478.74 |

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC On-Site Travel Building E (West Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00001841

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 474824.850, 3746236.554, 497.36, 4.00, 3.95

\*\* 474820.373, 3745997.196, 500.21, 4.00, 3.95

\*\*

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005697 | VOLUME | 474824.771 | 3746232.304 | 496.81 |
| LOCATION L0005698 | VOLUME | 474824.612 | 3746223.806 | 496.96 |
| LOCATION L0005699 | VOLUME | 474824.453 | 3746215.307 | 497.11 |
| LOCATION L0005700 | VOLUME | 474824.294 | 3746206.809 | 497.26 |
| LOCATION L0005701 | VOLUME | 474824.135 | 3746198.310 | 497.40 |
| LOCATION L0005702 | VOLUME | 474823.976 | 3746189.812 | 497.55 |
| LOCATION L0005703 | VOLUME | 474823.817 | 3746181.313 | 498.12 |
| LOCATION L0005704 | VOLUME | 474823.658 | 3746172.815 | 498.69 |
| LOCATION L0005705 | VOLUME | 474823.499 | 3746164.316 | 499.26 |
| LOCATION L0005706 | VOLUME | 474823.340 | 3746155.818 | 499.43 |
| LOCATION L0005707 | VOLUME | 474823.181 | 3746147.319 | 499.19 |
| LOCATION L0005708 | VOLUME | 474823.022 | 3746138.821 | 498.95 |
| LOCATION L0005709 | VOLUME | 474822.863 | 3746130.322 | 498.72 |
| LOCATION L0005710 | VOLUME | 474822.704 | 3746121.824 | 498.57 |
| LOCATION L0005711 | VOLUME | 474822.545 | 3746113.325 | 498.42 |
| LOCATION L0005712 | VOLUME | 474822.386 | 3746104.827 | 498.27 |
| LOCATION L0005713 | VOLUME | 474822.227 | 3746096.328 | 498.18 |
| LOCATION L0005714 | VOLUME | 474822.068 | 3746087.830 | 498.20 |
| LOCATION L0005715 | VOLUME | 474821.909 | 3746079.331 | 498.21 |

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|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005716 | VOLUME | 474821.750 | 3746070.833 | 498.22 |
| LOCATION L0005717 | VOLUME | 474821.591 | 3746062.334 | 498.48 |
| LOCATION L0005718 | VOLUME | 474821.432 | 3746053.836 | 498.78 |
| LOCATION L0005719 | VOLUME | 474821.273 | 3746045.337 | 499.07 |
| LOCATION L0005720 | VOLUME | 474821.114 | 3746036.839 | 499.26 |
| LOCATION L0005721 | VOLUME | 474820.955 | 3746028.340 | 499.27 |
| LOCATION L0005722 | VOLUME | 474820.796 | 3746019.842 | 499.28 |
| LOCATION L0005723 | VOLUME | 474820.637 | 3746011.343 | 499.29 |
| LOCATION L0005724 | VOLUME | 474820.478 | 3746002.845 | 499.38 |

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

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE6

\*\* DESCRSRC On-Site Travel Building E (East Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00001841

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475022.016, 3746232.412, 489.79, 4.00, 3.95

\*\* 475017.538, 3745993.054, 491.56, 4.00, 3.95

\*\* -----

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005725 | VOLUME | 475021.937 | 3746228.162 | 489.89 |
| LOCATION L0005726 | VOLUME | 475021.778 | 3746219.664 | 489.87 |
| LOCATION L0005727 | VOLUME | 475021.619 | 3746211.165 | 489.61 |
| LOCATION L0005728 | VOLUME | 475021.460 | 3746202.667 | 489.35 |
| LOCATION L0005729 | VOLUME | 475021.301 | 3746194.168 | 489.09 |
| LOCATION L0005730 | VOLUME | 475021.142 | 3746185.670 | 489.11 |
| LOCATION L0005731 | VOLUME | 475020.983 | 3746177.171 | 489.39 |
| LOCATION L0005732 | VOLUME | 475020.824 | 3746168.673 | 489.68 |
| LOCATION L0005733 | VOLUME | 475020.665 | 3746160.174 | 489.97 |
| LOCATION L0005734 | VOLUME | 475020.506 | 3746151.676 | 489.71 |
| LOCATION L0005735 | VOLUME | 475020.347 | 3746143.177 | 489.43 |
| LOCATION L0005736 | VOLUME | 475020.188 | 3746134.679 | 489.15 |
| LOCATION L0005737 | VOLUME | 475020.029 | 3746126.180 | 489.13 |
| LOCATION L0005738 | VOLUME | 475019.870 | 3746117.682 | 489.41 |
| LOCATION L0005739 | VOLUME | 475019.711 | 3746109.183 | 489.70 |
| LOCATION L0005740 | VOLUME | 475019.552 | 3746100.685 | 489.99 |
| LOCATION L0005741 | VOLUME | 475019.393 | 3746092.186 | 490.02 |
| LOCATION L0005742 | VOLUME | 475019.234 | 3746083.688 | 490.03 |
| LOCATION L0005743 | VOLUME | 475019.075 | 3746075.189 | 490.03 |
| LOCATION L0005744 | VOLUME | 475018.916 | 3746066.691 | 490.04 |
| LOCATION L0005745 | VOLUME | 475018.757 | 3746058.192 | 490.06 |
| LOCATION L0005746 | VOLUME | 475018.598 | 3746049.694 | 490.08 |
| LOCATION L0005747 | VOLUME | 475018.439 | 3746041.195 | 490.10 |
| LOCATION L0005748 | VOLUME | 475018.280 | 3746032.697 | 490.34 |

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|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005749 | VOLUME | 475018.121 | 3746024.198 | 490.62 |
| LOCATION L0005750 | VOLUME | 475017.962 | 3746015.700 | 490.89 |
| LOCATION L0005751 | VOLUME | 475017.803 | 3746007.201 | 491.08 |
| LOCATION L0005752 | VOLUME | 475017.644 | 3745998.702 | 491.11 |

\*\* End of LINE VOLUME Source ID = SLINE6

\*\*

-----  
\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE7

\*\* DESCRSRC On-Site Travel Building D (West Side)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00002327

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475163.781, 3746230.017, 485.24, 4.00, 3.95

\*\* 475159.303, 3745990.660, 487.81, 4.00, 3.95

\*\*

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005753 | VOLUME | 475163.701 | 3746225.768 | 485.02 |
| LOCATION L0005754 | VOLUME | 475163.542 | 3746217.269 | 485.14 |
| LOCATION L0005755 | VOLUME | 475163.383 | 3746208.771 | 484.93 |
| LOCATION L0005756 | VOLUME | 475163.224 | 3746200.272 | 484.72 |
| LOCATION L0005757 | VOLUME | 475163.065 | 3746191.774 | 484.51 |
| LOCATION L0005758 | VOLUME | 475162.906 | 3746183.275 | 484.64 |
| LOCATION L0005759 | VOLUME | 475162.747 | 3746174.777 | 484.87 |
| LOCATION L0005760 | VOLUME | 475162.588 | 3746166.278 | 485.09 |
| LOCATION L0005761 | VOLUME | 475162.429 | 3746157.780 | 485.25 |
| LOCATION L0005762 | VOLUME | 475162.270 | 3746149.281 | 485.26 |
| LOCATION L0005763 | VOLUME | 475162.111 | 3746140.783 | 485.26 |
| LOCATION L0005764 | VOLUME | 475161.953 | 3746132.284 | 485.27 |
| LOCATION L0005765 | VOLUME | 475161.794 | 3746123.785 | 485.48 |
| LOCATION L0005766 | VOLUME | 475161.635 | 3746115.287 | 485.77 |
| LOCATION L0005767 | VOLUME | 475161.476 | 3746106.788 | 486.06 |
| LOCATION L0005768 | VOLUME | 475161.317 | 3746098.290 | 486.29 |
| LOCATION L0005769 | VOLUME | 475161.158 | 3746089.791 | 486.29 |
| LOCATION L0005770 | VOLUME | 475160.999 | 3746081.293 | 486.30 |
| LOCATION L0005771 | VOLUME | 475160.840 | 3746072.794 | 486.31 |
| LOCATION L0005772 | VOLUME | 475160.681 | 3746064.296 | 486.50 |
| LOCATION L0005773 | VOLUME | 475160.522 | 3746055.797 | 486.79 |
| LOCATION L0005774 | VOLUME | 475160.363 | 3746047.299 | 487.08 |
| LOCATION L0005775 | VOLUME | 475160.204 | 3746038.800 | 487.35 |
| LOCATION L0005776 | VOLUME | 475160.045 | 3746030.302 | 487.55 |
| LOCATION L0005777 | VOLUME | 475159.886 | 3746021.803 | 487.74 |
| LOCATION L0005778 | VOLUME | 475159.727 | 3746013.305 | 487.93 |
| LOCATION L0005779 | VOLUME | 475159.568 | 3746004.806 | 488.00 |
| LOCATION L0005780 | VOLUME | 475159.409 | 3745996.308 | 488.00 |

\*\* End of LINE VOLUME Source ID = SLINE7

KnoxBPSchool

\*\* -----  
\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE8  
\*\* DESCRSRC On-Site Travel Building D (East Side)  
\*\* PREFIX  
\*\* Length of Side = 8.50  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 0.00002327  
\*\* Vertical Dimension = 4.00  
\*\* SZINIT = 1.86  
\*\* Nodes = 2  
\*\* 475392.233, 3746223.791, 477.76, 4.00, 3.95  
\*\* 475387.755, 3745984.434, 478.87, 4.00, 3.95  
\*\* -----

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0005781 | VOLUME | 475392.153 | 3746219.541 | 477.59 |
| LOCATION | L0005782 | VOLUME | 475391.994 | 3746211.043 | 477.60 |
| LOCATION | L0005783 | VOLUME | 475391.835 | 3746202.544 | 477.61 |
| LOCATION | L0005784 | VOLUME | 475391.676 | 3746194.046 | 477.61 |
| LOCATION | L0005785 | VOLUME | 475391.517 | 3746185.547 | 477.56 |
| LOCATION | L0005786 | VOLUME | 475391.358 | 3746177.049 | 477.46 |
| LOCATION | L0005787 | VOLUME | 475391.200 | 3746168.550 | 477.36 |
| LOCATION | L0005788 | VOLUME | 475391.041 | 3746160.052 | 477.26 |
| LOCATION | L0005789 | VOLUME | 475390.882 | 3746151.553 | 477.27 |
| LOCATION | L0005790 | VOLUME | 475390.723 | 3746143.055 | 477.29 |
| LOCATION | L0005791 | VOLUME | 475390.564 | 3746134.556 | 477.30 |
| LOCATION | L0005792 | VOLUME | 475390.405 | 3746126.058 | 477.35 |
| LOCATION | L0005793 | VOLUME | 475390.246 | 3746117.559 | 477.46 |
| LOCATION | L0005794 | VOLUME | 475390.087 | 3746109.061 | 477.56 |
| LOCATION | L0005795 | VOLUME | 475389.928 | 3746100.562 | 477.66 |
| LOCATION | L0005796 | VOLUME | 475389.769 | 3746092.064 | 477.67 |
| LOCATION | L0005797 | VOLUME | 475389.610 | 3746083.565 | 477.68 |
| LOCATION | L0005798 | VOLUME | 475389.451 | 3746075.067 | 477.68 |
| LOCATION | L0005799 | VOLUME | 475389.292 | 3746066.568 | 477.69 |
| LOCATION | L0005800 | VOLUME | 475389.133 | 3746058.070 | 477.70 |
| LOCATION | L0005801 | VOLUME | 475388.974 | 3746049.571 | 477.70 |
| LOCATION | L0005802 | VOLUME | 475388.815 | 3746041.073 | 477.71 |
| LOCATION | L0005803 | VOLUME | 475388.656 | 3746032.574 | 477.96 |
| LOCATION | L0005804 | VOLUME | 475388.497 | 3746024.076 | 478.25 |
| LOCATION | L0005805 | VOLUME | 475388.338 | 3746015.577 | 478.54 |
| LOCATION | L0005806 | VOLUME | 475388.179 | 3746007.079 | 478.73 |
| LOCATION | L0005807 | VOLUME | 475388.020 | 3745998.580 | 478.73 |
| LOCATION | L0005808 | VOLUME | 475387.861 | 3745990.082 | 478.74 |

\*\* End of LINE VOLUME Source ID = SLINE8  
\*\* -----  
\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE9  
\*\* DESCRSRC Building E Dwy 1 to Harvill (25%)  
\*\* PREFIX



KnoxBPSchool

\*\* Length of Side = 8.50  
 \*\* Configuration = Adjacent  
 \*\* Emission Rate = 0.00003756  
 \*\* Vertical Dimension = 4.00  
 \*\* SZINIT = 1.86  
 \*\* Nodes = 3  
 \*\* 474811.046, 3746313.771, 498.00, 4.00, 3.95  
 \*\* 474811.046, 3746339.697, 497.98, 4.00, 3.95  
 \*\* 475895.455, 3746345.333, 465.92, 4.00, 3.95

\*\* -----

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005809 | VOLUME | 474811.046 | 3746318.021 | 498.22 |
| LOCATION L0005810 | VOLUME | 474811.046 | 3746326.521 | 498.50 |
| LOCATION L0005811 | VOLUME | 474811.046 | 3746335.021 | 498.77 |
| LOCATION L0005812 | VOLUME | 474814.869 | 3746339.717 | 498.67 |
| LOCATION L0005813 | VOLUME | 474823.369 | 3746339.761 | 498.10 |
| LOCATION L0005814 | VOLUME | 474831.869 | 3746339.805 | 497.54 |
| LOCATION L0005815 | VOLUME | 474840.369 | 3746339.850 | 496.99 |
| LOCATION L0005816 | VOLUME | 474848.868 | 3746339.894 | 496.70 |
| LOCATION L0005817 | VOLUME | 474857.368 | 3746339.938 | 496.42 |
| LOCATION L0005818 | VOLUME | 474865.868 | 3746339.982 | 496.14 |
| LOCATION L0005819 | VOLUME | 474874.368 | 3746340.026 | 495.85 |
| LOCATION L0005820 | VOLUME | 474882.868 | 3746340.070 | 495.57 |
| LOCATION L0005821 | VOLUME | 474891.368 | 3746340.115 | 495.29 |
| LOCATION L0005822 | VOLUME | 474899.868 | 3746340.159 | 495.00 |
| LOCATION L0005823 | VOLUME | 474908.368 | 3746340.203 | 494.71 |
| LOCATION L0005824 | VOLUME | 474916.867 | 3746340.247 | 494.43 |
| LOCATION L0005825 | VOLUME | 474925.367 | 3746340.291 | 494.14 |
| LOCATION L0005826 | VOLUME | 474933.867 | 3746340.336 | 493.86 |
| LOCATION L0005827 | VOLUME | 474942.367 | 3746340.380 | 493.58 |
| LOCATION L0005828 | VOLUME | 474950.867 | 3746340.424 | 493.29 |
| LOCATION L0005829 | VOLUME | 474959.367 | 3746340.468 | 493.01 |
| LOCATION L0005830 | VOLUME | 474967.867 | 3746340.512 | 492.46 |
| LOCATION L0005831 | VOLUME | 474976.367 | 3746340.556 | 491.90 |
| LOCATION L0005832 | VOLUME | 474984.867 | 3746340.601 | 491.34 |
| LOCATION L0005833 | VOLUME | 474993.366 | 3746340.645 | 490.89 |
| LOCATION L0005834 | VOLUME | 475001.866 | 3746340.689 | 490.60 |
| LOCATION L0005835 | VOLUME | 475010.366 | 3746340.733 | 490.32 |
| LOCATION L0005836 | VOLUME | 475018.866 | 3746340.777 | 490.04 |
| LOCATION L0005837 | VOLUME | 475027.366 | 3746340.821 | 489.75 |
| LOCATION L0005838 | VOLUME | 475035.866 | 3746340.866 | 489.47 |
| LOCATION L0005839 | VOLUME | 475044.366 | 3746340.910 | 489.19 |
| LOCATION L0005840 | VOLUME | 475052.866 | 3746340.954 | 488.90 |
| LOCATION L0005841 | VOLUME | 475061.366 | 3746340.998 | 488.62 |
| LOCATION L0005842 | VOLUME | 475069.865 | 3746341.042 | 488.34 |
| LOCATION L0005843 | VOLUME | 475078.365 | 3746341.087 | 488.05 |
| LOCATION L0005844 | VOLUME | 475086.865 | 3746341.131 | 487.77 |
| LOCATION L0005845 | VOLUME | 475095.365 | 3746341.175 | 487.49 |
| LOCATION L0005846 | VOLUME | 475103.865 | 3746341.219 | 487.20 |

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|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005847 | VOLUME | 475112.365 | 3746341.263 | 486.84 |
| LOCATION L0005848 | VOLUME | 475120.865 | 3746341.307 | 486.28 |
| LOCATION L0005849 | VOLUME | 475129.365 | 3746341.352 | 485.71 |
| LOCATION L0005850 | VOLUME | 475137.864 | 3746341.396 | 485.14 |
| LOCATION L0005851 | VOLUME | 475146.364 | 3746341.440 | 484.79 |
| LOCATION L0005852 | VOLUME | 475154.864 | 3746341.484 | 484.50 |
| LOCATION L0005853 | VOLUME | 475163.364 | 3746341.528 | 484.22 |
| LOCATION L0005854 | VOLUME | 475171.864 | 3746341.573 | 483.94 |
| LOCATION L0005855 | VOLUME | 475180.364 | 3746341.617 | 483.65 |
| LOCATION L0005856 | VOLUME | 475188.864 | 3746341.661 | 483.37 |
| LOCATION L0005857 | VOLUME | 475197.364 | 3746341.705 | 483.09 |
| LOCATION L0005858 | VOLUME | 475205.864 | 3746341.749 | 482.80 |
| LOCATION L0005859 | VOLUME | 475214.363 | 3746341.793 | 482.52 |
| LOCATION L0005860 | VOLUME | 475222.863 | 3746341.838 | 482.24 |
| LOCATION L0005861 | VOLUME | 475231.363 | 3746341.882 | 481.95 |
| LOCATION L0005862 | VOLUME | 475239.863 | 3746341.926 | 481.67 |
| LOCATION L0005863 | VOLUME | 475248.363 | 3746341.970 | 481.39 |
| LOCATION L0005864 | VOLUME | 475256.863 | 3746342.014 | 481.10 |
| LOCATION L0005865 | VOLUME | 475265.363 | 3746342.058 | 480.81 |
| LOCATION L0005866 | VOLUME | 475273.863 | 3746342.103 | 480.51 |
| LOCATION L0005867 | VOLUME | 475282.363 | 3746342.147 | 480.20 |
| LOCATION L0005868 | VOLUME | 475290.862 | 3746342.191 | 479.87 |
| LOCATION L0005869 | VOLUME | 475299.362 | 3746342.235 | 479.32 |
| LOCATION L0005870 | VOLUME | 475307.862 | 3746342.279 | 478.78 |
| LOCATION L0005871 | VOLUME | 475316.362 | 3746342.324 | 478.23 |
| LOCATION L0005872 | VOLUME | 475324.862 | 3746342.368 | 477.68 |
| LOCATION L0005873 | VOLUME | 475333.362 | 3746342.412 | 477.11 |
| LOCATION L0005874 | VOLUME | 475341.862 | 3746342.456 | 476.54 |
| LOCATION L0005875 | VOLUME | 475350.362 | 3746342.500 | 476.00 |
| LOCATION L0005876 | VOLUME | 475358.862 | 3746342.544 | 475.97 |
| LOCATION L0005877 | VOLUME | 475367.361 | 3746342.589 | 475.95 |
| LOCATION L0005878 | VOLUME | 475375.861 | 3746342.633 | 475.92 |
| LOCATION L0005879 | VOLUME | 475384.361 | 3746342.677 | 475.91 |
| LOCATION L0005880 | VOLUME | 475392.861 | 3746342.721 | 475.91 |
| LOCATION L0005881 | VOLUME | 475401.361 | 3746342.765 | 475.91 |
| LOCATION L0005882 | VOLUME | 475409.861 | 3746342.810 | 475.91 |
| LOCATION L0005883 | VOLUME | 475418.361 | 3746342.854 | 475.65 |
| LOCATION L0005884 | VOLUME | 475426.861 | 3746342.898 | 475.40 |
| LOCATION L0005885 | VOLUME | 475435.360 | 3746342.942 | 475.14 |
| LOCATION L0005886 | VOLUME | 475443.860 | 3746342.986 | 474.87 |
| LOCATION L0005887 | VOLUME | 475452.360 | 3746343.030 | 474.59 |
| LOCATION L0005888 | VOLUME | 475460.860 | 3746343.075 | 474.30 |
| LOCATION L0005889 | VOLUME | 475469.360 | 3746343.119 | 474.02 |
| LOCATION L0005890 | VOLUME | 475477.860 | 3746343.163 | 473.97 |
| LOCATION L0005891 | VOLUME | 475486.360 | 3746343.207 | 473.94 |
| LOCATION L0005892 | VOLUME | 475494.860 | 3746343.251 | 473.91 |
| LOCATION L0005893 | VOLUME | 475503.360 | 3746343.295 | 473.79 |
| LOCATION L0005894 | VOLUME | 475511.859 | 3746343.340 | 473.54 |

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|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0005895 | VOLUME | 475520.359 | 3746343.384 | 473.29 |
| LOCATION | L0005896 | VOLUME | 475528.859 | 3746343.428 | 473.03 |
| LOCATION | L0005897 | VOLUME | 475537.359 | 3746343.472 | 472.75 |
| LOCATION | L0005898 | VOLUME | 475545.859 | 3746343.516 | 472.47 |
| LOCATION | L0005899 | VOLUME | 475554.359 | 3746343.561 | 472.19 |
| LOCATION | L0005900 | VOLUME | 475562.859 | 3746343.605 | 471.99 |
| LOCATION | L0005901 | VOLUME | 475571.359 | 3746343.649 | 471.95 |
| LOCATION | L0005902 | VOLUME | 475579.859 | 3746343.693 | 471.92 |
| LOCATION | L0005903 | VOLUME | 475588.358 | 3746343.737 | 471.88 |
| LOCATION | L0005904 | VOLUME | 475596.858 | 3746343.781 | 471.65 |
| LOCATION | L0005905 | VOLUME | 475605.358 | 3746343.826 | 471.36 |
| LOCATION | L0005906 | VOLUME | 475613.858 | 3746343.870 | 471.08 |
| LOCATION | L0005907 | VOLUME | 475622.358 | 3746343.914 | 470.80 |
| LOCATION | L0005908 | VOLUME | 475630.858 | 3746343.958 | 470.55 |
| LOCATION | L0005909 | VOLUME | 475639.358 | 3746344.002 | 470.31 |
| LOCATION | L0005910 | VOLUME | 475647.858 | 3746344.046 | 470.06 |
| LOCATION | L0005911 | VOLUME | 475656.357 | 3746344.091 | 469.79 |
| LOCATION | L0005912 | VOLUME | 475664.857 | 3746344.135 | 469.50 |
| LOCATION | L0005913 | VOLUME | 475673.357 | 3746344.179 | 469.22 |
| LOCATION | L0005914 | VOLUME | 475681.857 | 3746344.223 | 469.00 |
| LOCATION | L0005915 | VOLUME | 475690.357 | 3746344.267 | 469.00 |
| LOCATION | L0005916 | VOLUME | 475698.857 | 3746344.312 | 469.00 |
| LOCATION | L0005917 | VOLUME | 475707.357 | 3746344.356 | 469.00 |
| LOCATION | L0005918 | VOLUME | 475715.857 | 3746344.400 | 468.97 |
| LOCATION | L0005919 | VOLUME | 475724.357 | 3746344.444 | 468.93 |
| LOCATION | L0005920 | VOLUME | 475732.856 | 3746344.488 | 468.89 |
| LOCATION | L0005921 | VOLUME | 475741.356 | 3746344.532 | 468.81 |
| LOCATION | L0005922 | VOLUME | 475749.856 | 3746344.577 | 468.57 |
| LOCATION | L0005923 | VOLUME | 475758.356 | 3746344.621 | 468.33 |
| LOCATION | L0005924 | VOLUME | 475766.856 | 3746344.665 | 468.09 |
| LOCATION | L0005925 | VOLUME | 475775.356 | 3746344.709 | 467.82 |
| LOCATION | L0005926 | VOLUME | 475783.856 | 3746344.753 | 467.54 |
| LOCATION | L0005927 | VOLUME | 475792.356 | 3746344.798 | 467.25 |
| LOCATION | L0005928 | VOLUME | 475800.856 | 3746344.842 | 467.00 |
| LOCATION | L0005929 | VOLUME | 475809.355 | 3746344.886 | 467.00 |
| LOCATION | L0005930 | VOLUME | 475817.855 | 3746344.930 | 467.00 |
| LOCATION | L0005931 | VOLUME | 475826.355 | 3746344.974 | 467.00 |
| LOCATION | L0005932 | VOLUME | 475834.855 | 3746345.018 | 466.84 |
| LOCATION | L0005933 | VOLUME | 475843.355 | 3746345.063 | 466.55 |
| LOCATION | L0005934 | VOLUME | 475851.855 | 3746345.107 | 466.27 |
| LOCATION | L0005935 | VOLUME | 475860.355 | 3746345.151 | 466.00 |
| LOCATION | L0005936 | VOLUME | 475868.855 | 3746345.195 | 466.00 |
| LOCATION | L0005937 | VOLUME | 475877.355 | 3746345.239 | 466.00 |
| LOCATION | L0005938 | VOLUME | 475885.854 | 3746345.283 | 466.00 |
| LOCATION | L0005939 | VOLUME | 475894.354 | 3746345.328 | 465.85 |

\*\* End of LINE VOLUME Source ID = SLINE9

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

KnoxBPSchool

\*\* LINE VOLUME Source ID = SLINE10  
 \*\* DESCRSRC Building E Dwy 3 to Harvill (25%)  
 \*\* PREFIX  
 \*\* Length of Side = 8.50  
 \*\* Configuration = Adjacent  
 \*\* Emission Rate = 0.00003041  
 \*\* Vertical Dimension = 4.00  
 \*\* SZINIT = 1.86  
 \*\* Nodes = 3  
 \*\* 475031.865, 3746312.683, 489.78, 4.00, 3.95  
 \*\* 475031.865, 3746340.371, 489.79, 4.00, 3.95  
 \*\* 475903.212, 3746346.390, 465.65, 4.00, 3.95

\*\* -----

| LOCATION | L0005940 | VOLUME | 475031.865 | 3746316.933 | 489.60 |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0005941 | VOLUME | 475031.865 | 3746325.433 | 489.60 |
| LOCATION | L0005942 | VOLUME | 475031.865 | 3746333.933 | 489.60 |
| LOCATION | L0005943 | VOLUME | 475033.927 | 3746340.385 | 489.54 |
| LOCATION | L0005944 | VOLUME | 475042.427 | 3746340.444 | 489.25 |
| LOCATION | L0005945 | VOLUME | 475050.926 | 3746340.503 | 488.97 |
| LOCATION | L0005946 | VOLUME | 475059.426 | 3746340.561 | 488.69 |
| LOCATION | L0005947 | VOLUME | 475067.926 | 3746340.620 | 488.40 |
| LOCATION | L0005948 | VOLUME | 475076.426 | 3746340.679 | 488.12 |
| LOCATION | L0005949 | VOLUME | 475084.926 | 3746340.738 | 487.84 |
| LOCATION | L0005950 | VOLUME | 475093.425 | 3746340.796 | 487.55 |
| LOCATION | L0005951 | VOLUME | 475101.925 | 3746340.855 | 487.27 |
| LOCATION | L0005952 | VOLUME | 475110.425 | 3746340.914 | 486.97 |
| LOCATION | L0005953 | VOLUME | 475118.925 | 3746340.972 | 486.40 |
| LOCATION | L0005954 | VOLUME | 475127.425 | 3746341.031 | 485.84 |
| LOCATION | L0005955 | VOLUME | 475135.924 | 3746341.090 | 485.27 |
| LOCATION | L0005956 | VOLUME | 475144.424 | 3746341.149 | 484.85 |
| LOCATION | L0005957 | VOLUME | 475152.924 | 3746341.207 | 484.57 |
| LOCATION | L0005958 | VOLUME | 475161.424 | 3746341.266 | 484.29 |
| LOCATION | L0005959 | VOLUME | 475169.924 | 3746341.325 | 484.00 |
| LOCATION | L0005960 | VOLUME | 475178.423 | 3746341.383 | 483.72 |
| LOCATION | L0005961 | VOLUME | 475186.923 | 3746341.442 | 483.44 |
| LOCATION | L0005962 | VOLUME | 475195.423 | 3746341.501 | 483.15 |
| LOCATION | L0005963 | VOLUME | 475203.923 | 3746341.560 | 482.87 |
| LOCATION | L0005964 | VOLUME | 475212.423 | 3746341.618 | 482.59 |
| LOCATION | L0005965 | VOLUME | 475220.922 | 3746341.677 | 482.30 |
| LOCATION | L0005966 | VOLUME | 475229.422 | 3746341.736 | 482.02 |
| LOCATION | L0005967 | VOLUME | 475237.922 | 3746341.794 | 481.74 |
| LOCATION | L0005968 | VOLUME | 475246.422 | 3746341.853 | 481.45 |
| LOCATION | L0005969 | VOLUME | 475254.922 | 3746341.912 | 481.17 |
| LOCATION | L0005970 | VOLUME | 475263.421 | 3746341.971 | 480.88 |
| LOCATION | L0005971 | VOLUME | 475271.921 | 3746342.029 | 480.58 |
| LOCATION | L0005972 | VOLUME | 475280.421 | 3746342.088 | 480.27 |
| LOCATION | L0005973 | VOLUME | 475288.921 | 3746342.147 | 479.97 |
| LOCATION | L0005974 | VOLUME | 475297.421 | 3746342.205 | 479.45 |

KnoxBPSchool

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0005975 | VOLUME | 475305.920 | 3746342.264 | 478.90 |
| LOCATION L0005976 | VOLUME | 475314.420 | 3746342.323 | 478.36 |
| LOCATION L0005977 | VOLUME | 475322.920 | 3746342.382 | 477.81 |
| LOCATION L0005978 | VOLUME | 475331.420 | 3746342.440 | 477.24 |
| LOCATION L0005979 | VOLUME | 475339.920 | 3746342.499 | 476.67 |
| LOCATION L0005980 | VOLUME | 475348.419 | 3746342.558 | 476.11 |
| LOCATION L0005981 | VOLUME | 475356.919 | 3746342.617 | 475.98 |
| LOCATION L0005982 | VOLUME | 475365.419 | 3746342.675 | 475.95 |
| LOCATION L0005983 | VOLUME | 475373.919 | 3746342.734 | 475.93 |
| LOCATION L0005984 | VOLUME | 475382.419 | 3746342.793 | 475.91 |
| LOCATION L0005985 | VOLUME | 475390.918 | 3746342.851 | 475.90 |
| LOCATION L0005986 | VOLUME | 475399.418 | 3746342.910 | 475.90 |
| LOCATION L0005987 | VOLUME | 475407.918 | 3746342.969 | 475.90 |
| LOCATION L0005988 | VOLUME | 475416.418 | 3746343.028 | 475.71 |
| LOCATION L0005989 | VOLUME | 475424.918 | 3746343.086 | 475.45 |
| LOCATION L0005990 | VOLUME | 475433.417 | 3746343.145 | 475.20 |
| LOCATION L0005991 | VOLUME | 475441.917 | 3746343.204 | 474.94 |
| LOCATION L0005992 | VOLUME | 475450.417 | 3746343.262 | 474.65 |
| LOCATION L0005993 | VOLUME | 475458.917 | 3746343.321 | 474.37 |
| LOCATION L0005994 | VOLUME | 475467.417 | 3746343.380 | 474.09 |
| LOCATION L0005995 | VOLUME | 475475.916 | 3746343.439 | 473.98 |
| LOCATION L0005996 | VOLUME | 475484.416 | 3746343.497 | 473.94 |
| LOCATION L0005997 | VOLUME | 475492.916 | 3746343.556 | 473.91 |
| LOCATION L0005998 | VOLUME | 475501.416 | 3746343.615 | 473.84 |
| LOCATION L0005999 | VOLUME | 475509.916 | 3746343.673 | 473.59 |
| LOCATION L0006000 | VOLUME | 475518.415 | 3746343.732 | 473.34 |
| LOCATION L0006001 | VOLUME | 475526.915 | 3746343.791 | 473.09 |
| LOCATION L0006002 | VOLUME | 475535.415 | 3746343.850 | 472.82 |
| LOCATION L0006003 | VOLUME | 475543.915 | 3746343.908 | 472.54 |
| LOCATION L0006004 | VOLUME | 475552.415 | 3746343.967 | 472.25 |
| LOCATION L0006005 | VOLUME | 475560.914 | 3746344.026 | 472.00 |
| LOCATION L0006006 | VOLUME | 475569.414 | 3746344.084 | 471.96 |
| LOCATION L0006007 | VOLUME | 475577.914 | 3746344.143 | 471.92 |
| LOCATION L0006008 | VOLUME | 475586.414 | 3746344.202 | 471.88 |
| LOCATION L0006009 | VOLUME | 475594.914 | 3746344.261 | 471.69 |
| LOCATION L0006010 | VOLUME | 475603.413 | 3746344.319 | 471.41 |
| LOCATION L0006011 | VOLUME | 475611.913 | 3746344.378 | 471.12 |
| LOCATION L0006012 | VOLUME | 475620.413 | 3746344.437 | 470.84 |
| LOCATION L0006013 | VOLUME | 475628.913 | 3746344.495 | 470.60 |
| LOCATION L0006014 | VOLUME | 475637.413 | 3746344.554 | 470.36 |
| LOCATION L0006015 | VOLUME | 475645.912 | 3746344.613 | 470.12 |
| LOCATION L0006016 | VOLUME | 475654.412 | 3746344.672 | 469.85 |
| LOCATION L0006017 | VOLUME | 475662.912 | 3746344.730 | 469.57 |
| LOCATION L0006018 | VOLUME | 475671.412 | 3746344.789 | 469.29 |
| LOCATION L0006019 | VOLUME | 475679.911 | 3746344.848 | 469.00 |
| LOCATION L0006020 | VOLUME | 475688.411 | 3746344.906 | 469.00 |
| LOCATION L0006021 | VOLUME | 475696.911 | 3746344.965 | 469.00 |
| LOCATION L0006022 | VOLUME | 475705.411 | 3746345.024 | 469.00 |

KnoxBPSchool

| LOCATION | VOLUME     | Source ID   | Value 1 | Value 2 | Value 3 |
|----------|------------|-------------|---------|---------|---------|
| L0006023 | 475713.911 | 3746345.083 | 468.98  |         |         |
| L0006024 | 475722.410 | 3746345.141 | 468.93  |         |         |
| L0006025 | 475730.910 | 3746345.200 | 468.88  |         |         |
| L0006026 | 475739.410 | 3746345.259 | 468.83  |         |         |
| L0006027 | 475747.910 | 3746345.317 | 468.61  |         |         |
| L0006028 | 475756.410 | 3746345.376 | 468.37  |         |         |
| L0006029 | 475764.909 | 3746345.435 | 468.14  |         |         |
| L0006030 | 475773.409 | 3746345.494 | 467.89  |         |         |
| L0006031 | 475781.909 | 3746345.552 | 467.60  |         |         |
| L0006032 | 475790.409 | 3746345.611 | 467.32  |         |         |
| L0006033 | 475798.909 | 3746345.670 | 467.04  |         |         |
| L0006034 | 475807.408 | 3746345.728 | 467.00  |         |         |
| L0006035 | 475815.908 | 3746345.787 | 467.00  |         |         |
| L0006036 | 475824.408 | 3746345.846 | 467.00  |         |         |
| L0006037 | 475832.908 | 3746345.905 | 466.90  |         |         |
| L0006038 | 475841.408 | 3746345.963 | 466.62  |         |         |
| L0006039 | 475849.907 | 3746346.022 | 466.34  |         |         |
| L0006040 | 475858.407 | 3746346.081 | 466.05  |         |         |
| L0006041 | 475866.907 | 3746346.139 | 466.00  |         |         |
| L0006042 | 475875.407 | 3746346.198 | 466.00  |         |         |
| L0006043 | 475883.907 | 3746346.257 | 466.00  |         |         |
| L0006044 | 475892.406 | 3746346.316 | 465.92  |         |         |
| L0006045 | 475900.906 | 3746346.374 | 465.64  |         |         |

\*\* End of LINE VOLUME Source ID = SLINE10

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE11

\*\* DESCRSRC Building D Dwy 4 to Harvill (25%)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00003381

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 3

\*\* 475148.123, 3746307.318, 485.03, 4.00, 3.95

\*\* 475148.123, 3746342.019, 485.01, 4.00, 3.95

\*\* 475904.142, 3746349.563, 465.61, 4.00, 3.95

\*\* -----

| LOCATION | VOLUME     | Source ID   | Value 1 | Value 2 | Value 3 |
|----------|------------|-------------|---------|---------|---------|
| L0006046 | 475148.123 | 3746311.568 | 485.42  |         |         |
| L0006047 | 475148.123 | 3746320.068 | 485.21  |         |         |
| L0006048 | 475148.123 | 3746328.568 | 485.01  |         |         |
| L0006049 | 475148.123 | 3746337.068 | 484.80  |         |         |
| L0006050 | 475151.671 | 3746342.055 | 484.61  |         |         |
| L0006051 | 475160.171 | 3746342.140 | 484.33  |         |         |
| L0006052 | 475168.670 | 3746342.224 | 484.04  |         |         |
| L0006053 | 475177.170 | 3746342.309 | 483.76  |         |         |
| L0006054 | 475185.670 | 3746342.394 | 483.48  |         |         |

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|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0006055 | VOLUME | 475194.169 | 3746342.479 | 483.19 |
| LOCATION L0006056 | VOLUME | 475202.669 | 3746342.564 | 482.91 |
| LOCATION L0006057 | VOLUME | 475211.168 | 3746342.648 | 482.63 |
| LOCATION L0006058 | VOLUME | 475219.668 | 3746342.733 | 482.34 |
| LOCATION L0006059 | VOLUME | 475228.167 | 3746342.818 | 482.06 |
| LOCATION L0006060 | VOLUME | 475236.667 | 3746342.903 | 481.78 |
| LOCATION L0006061 | VOLUME | 475245.167 | 3746342.988 | 481.49 |
| LOCATION L0006062 | VOLUME | 475253.666 | 3746343.072 | 481.21 |
| LOCATION L0006063 | VOLUME | 475262.166 | 3746343.157 | 480.92 |
| LOCATION L0006064 | VOLUME | 475270.665 | 3746343.242 | 480.61 |
| LOCATION L0006065 | VOLUME | 475279.165 | 3746343.327 | 480.29 |
| LOCATION L0006066 | VOLUME | 475287.664 | 3746343.412 | 479.97 |
| LOCATION L0006067 | VOLUME | 475296.164 | 3746343.497 | 479.50 |
| LOCATION L0006068 | VOLUME | 475304.664 | 3746343.581 | 478.96 |
| LOCATION L0006069 | VOLUME | 475313.163 | 3746343.666 | 478.43 |
| LOCATION L0006070 | VOLUME | 475321.663 | 3746343.751 | 477.89 |
| LOCATION L0006071 | VOLUME | 475330.162 | 3746343.836 | 477.32 |
| LOCATION L0006072 | VOLUME | 475338.662 | 3746343.921 | 476.76 |
| LOCATION L0006073 | VOLUME | 475347.161 | 3746344.005 | 476.19 |
| LOCATION L0006074 | VOLUME | 475355.661 | 3746344.090 | 475.97 |
| LOCATION L0006075 | VOLUME | 475364.161 | 3746344.175 | 475.93 |
| LOCATION L0006076 | VOLUME | 475372.660 | 3746344.260 | 475.89 |
| LOCATION L0006077 | VOLUME | 475381.160 | 3746344.345 | 475.86 |
| LOCATION L0006078 | VOLUME | 475389.659 | 3746344.429 | 475.85 |
| LOCATION L0006079 | VOLUME | 475398.159 | 3746344.514 | 475.85 |
| LOCATION L0006080 | VOLUME | 475406.659 | 3746344.599 | 475.85 |
| LOCATION L0006081 | VOLUME | 475415.158 | 3746344.684 | 475.70 |
| LOCATION L0006082 | VOLUME | 475423.658 | 3746344.769 | 475.46 |
| LOCATION L0006083 | VOLUME | 475432.157 | 3746344.854 | 475.22 |
| LOCATION L0006084 | VOLUME | 475440.657 | 3746344.938 | 474.98 |
| LOCATION L0006085 | VOLUME | 475449.156 | 3746345.023 | 474.69 |
| LOCATION L0006086 | VOLUME | 475457.656 | 3746345.108 | 474.41 |
| LOCATION L0006087 | VOLUME | 475466.156 | 3746345.193 | 474.13 |
| LOCATION L0006088 | VOLUME | 475474.655 | 3746345.278 | 473.97 |
| LOCATION L0006089 | VOLUME | 475483.155 | 3746345.362 | 473.92 |
| LOCATION L0006090 | VOLUME | 475491.654 | 3746345.447 | 473.87 |
| LOCATION L0006091 | VOLUME | 475500.154 | 3746345.532 | 473.81 |
| LOCATION L0006092 | VOLUME | 475508.653 | 3746345.617 | 473.58 |
| LOCATION L0006093 | VOLUME | 475517.153 | 3746345.702 | 473.35 |
| LOCATION L0006094 | VOLUME | 475525.653 | 3746345.786 | 473.12 |
| LOCATION L0006095 | VOLUME | 475534.152 | 3746345.871 | 472.86 |
| LOCATION L0006096 | VOLUME | 475542.652 | 3746345.956 | 472.58 |
| LOCATION L0006097 | VOLUME | 475551.151 | 3746346.041 | 472.29 |
| LOCATION L0006098 | VOLUME | 475559.651 | 3746346.126 | 472.01 |
| LOCATION L0006099 | VOLUME | 475568.150 | 3746346.211 | 471.94 |
| LOCATION L0006100 | VOLUME | 475576.650 | 3746346.295 | 471.88 |
| LOCATION L0006101 | VOLUME | 475585.150 | 3746346.380 | 471.82 |
| LOCATION L0006102 | VOLUME | 475593.649 | 3746346.465 | 471.66 |

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|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0006103 | VOLUME | 475602.149 | 3746346.550 | 471.38 |
| LOCATION | L0006104 | VOLUME | 475610.648 | 3746346.635 | 471.09 |
| LOCATION | L0006105 | VOLUME | 475619.148 | 3746346.719 | 470.80 |
| LOCATION | L0006106 | VOLUME | 475627.648 | 3746346.804 | 470.58 |
| LOCATION | L0006107 | VOLUME | 475636.147 | 3746346.889 | 470.36 |
| LOCATION | L0006108 | VOLUME | 475644.647 | 3746346.974 | 470.14 |
| LOCATION | L0006109 | VOLUME | 475653.146 | 3746347.059 | 469.90 |
| LOCATION | L0006110 | VOLUME | 475661.646 | 3746347.143 | 469.61 |
| LOCATION | L0006111 | VOLUME | 475670.145 | 3746347.228 | 469.33 |
| LOCATION | L0006112 | VOLUME | 475678.645 | 3746347.313 | 469.05 |
| LOCATION | L0006113 | VOLUME | 475687.145 | 3746347.398 | 469.00 |
| LOCATION | L0006114 | VOLUME | 475695.644 | 3746347.483 | 469.00 |
| LOCATION | L0006115 | VOLUME | 475704.144 | 3746347.568 | 469.00 |
| LOCATION | L0006116 | VOLUME | 475712.643 | 3746347.652 | 468.98 |
| LOCATION | L0006117 | VOLUME | 475721.143 | 3746347.737 | 468.90 |
| LOCATION | L0006118 | VOLUME | 475729.642 | 3746347.822 | 468.83 |
| LOCATION | L0006119 | VOLUME | 475738.142 | 3746347.907 | 468.75 |
| LOCATION | L0006120 | VOLUME | 475746.642 | 3746347.992 | 468.57 |
| LOCATION | L0006121 | VOLUME | 475755.141 | 3746348.076 | 468.36 |
| LOCATION | L0006122 | VOLUME | 475763.641 | 3746348.161 | 468.15 |
| LOCATION | L0006123 | VOLUME | 475772.140 | 3746348.246 | 467.93 |
| LOCATION | L0006124 | VOLUME | 475780.640 | 3746348.331 | 467.65 |
| LOCATION | L0006125 | VOLUME | 475789.139 | 3746348.416 | 467.36 |
| LOCATION | L0006126 | VOLUME | 475797.639 | 3746348.500 | 467.08 |
| LOCATION | L0006127 | VOLUME | 475806.139 | 3746348.585 | 467.00 |
| LOCATION | L0006128 | VOLUME | 475814.638 | 3746348.670 | 467.00 |
| LOCATION | L0006129 | VOLUME | 475823.138 | 3746348.755 | 467.00 |
| LOCATION | L0006130 | VOLUME | 475831.637 | 3746348.840 | 466.95 |
| LOCATION | L0006131 | VOLUME | 475840.137 | 3746348.925 | 466.66 |
| LOCATION | L0006132 | VOLUME | 475848.637 | 3746349.009 | 466.38 |
| LOCATION | L0006133 | VOLUME | 475857.136 | 3746349.094 | 466.10 |
| LOCATION | L0006134 | VOLUME | 475865.636 | 3746349.179 | 466.00 |
| LOCATION | L0006135 | VOLUME | 475874.135 | 3746349.264 | 466.00 |
| LOCATION | L0006136 | VOLUME | 475882.635 | 3746349.349 | 466.00 |
| LOCATION | L0006137 | VOLUME | 475891.134 | 3746349.433 | 465.96 |
| LOCATION | L0006138 | VOLUME | 475899.634 | 3746349.518 | 465.68 |

\*\* End of LINE VOLUME Source ID = SLINE11

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE12

\*\* DESCRSRC Building D Dwy 6 to Harvill (25%)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00002184

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 3



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\*\* 475441.004, 3746304.059, 475.29, 4.00, 3.95

\*\* 475441.004, 3746345.111, 475.00, 4.00, 3.95

\*\* 475910.727, 3746354.035, 465.40, 4.00, 3.95

\*\*

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0006139 | VOLUME | 475441.004 | 3746308.309 | 474.97 |
| LOCATION | L0006140 | VOLUME | 475441.004 | 3746316.809 | 474.97 |
| LOCATION | L0006141 | VOLUME | 475441.004 | 3746325.309 | 474.97 |
| LOCATION | L0006142 | VOLUME | 475441.004 | 3746333.809 | 474.97 |
| LOCATION | L0006143 | VOLUME | 475441.004 | 3746342.309 | 474.97 |
| LOCATION | L0006144 | VOLUME | 475446.701 | 3746345.219 | 474.78 |
| LOCATION | L0006145 | VOLUME | 475455.199 | 3746345.381 | 474.49 |
| LOCATION | L0006146 | VOLUME | 475463.698 | 3746345.542 | 474.21 |
| LOCATION | L0006147 | VOLUME | 475472.196 | 3746345.704 | 473.99 |
| LOCATION | L0006148 | VOLUME | 475480.695 | 3746345.865 | 473.93 |
| LOCATION | L0006149 | VOLUME | 475489.193 | 3746346.027 | 473.87 |
| LOCATION | L0006150 | VOLUME | 475497.692 | 3746346.188 | 473.81 |
| LOCATION | L0006151 | VOLUME | 475506.190 | 3746346.349 | 473.63 |
| LOCATION | L0006152 | VOLUME | 475514.689 | 3746346.511 | 473.40 |
| LOCATION | L0006153 | VOLUME | 475523.187 | 3746346.672 | 473.18 |
| LOCATION | L0006154 | VOLUME | 475531.686 | 3746346.834 | 472.94 |
| LOCATION | L0006155 | VOLUME | 475540.184 | 3746346.995 | 472.66 |
| LOCATION | L0006156 | VOLUME | 475548.683 | 3746347.157 | 472.38 |
| LOCATION | L0006157 | VOLUME | 475557.181 | 3746347.318 | 472.09 |
| LOCATION | L0006158 | VOLUME | 475565.680 | 3746347.480 | 471.95 |
| LOCATION | L0006159 | VOLUME | 475574.178 | 3746347.641 | 471.88 |
| LOCATION | L0006160 | VOLUME | 475582.676 | 3746347.803 | 471.80 |
| LOCATION | L0006161 | VOLUME | 475591.175 | 3746347.964 | 471.70 |
| LOCATION | L0006162 | VOLUME | 475599.673 | 3746348.126 | 471.41 |
| LOCATION | L0006163 | VOLUME | 475608.172 | 3746348.287 | 471.12 |
| LOCATION | L0006164 | VOLUME | 475616.670 | 3746348.449 | 470.83 |
| LOCATION | L0006165 | VOLUME | 475625.169 | 3746348.610 | 470.59 |
| LOCATION | L0006166 | VOLUME | 475633.667 | 3746348.771 | 470.39 |
| LOCATION | L0006167 | VOLUME | 475642.166 | 3746348.933 | 470.18 |
| LOCATION | L0006168 | VOLUME | 475650.664 | 3746349.094 | 469.98 |
| LOCATION | L0006169 | VOLUME | 475659.163 | 3746349.256 | 469.69 |
| LOCATION | L0006170 | VOLUME | 475667.661 | 3746349.417 | 469.41 |
| LOCATION | L0006171 | VOLUME | 475676.160 | 3746349.579 | 469.13 |
| LOCATION | L0006172 | VOLUME | 475684.658 | 3746349.740 | 469.00 |
| LOCATION | L0006173 | VOLUME | 475693.157 | 3746349.902 | 469.00 |
| LOCATION | L0006174 | VOLUME | 475701.655 | 3746350.063 | 469.00 |
| LOCATION | L0006175 | VOLUME | 475710.153 | 3746350.225 | 469.00 |
| LOCATION | L0006176 | VOLUME | 475718.652 | 3746350.386 | 468.90 |
| LOCATION | L0006177 | VOLUME | 475727.150 | 3746350.548 | 468.80 |
| LOCATION | L0006178 | VOLUME | 475735.649 | 3746350.709 | 468.69 |
| LOCATION | L0006179 | VOLUME | 475744.147 | 3746350.871 | 468.55 |
| LOCATION | L0006180 | VOLUME | 475752.646 | 3746351.032 | 468.37 |
| LOCATION | L0006181 | VOLUME | 475761.144 | 3746351.193 | 468.19 |
| LOCATION | L0006182 | VOLUME | 475769.643 | 3746351.355 | 468.01 |

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| LOCATION | VOLUME     |             |        |  |  |
|----------|------------|-------------|--------|--|--|
| L0006183 | 475778.141 | 3746351.516 | 467.73 |  |  |
| L0006184 | 475786.640 | 3746351.678 | 467.45 |  |  |
| L0006185 | 475795.138 | 3746351.839 | 467.16 |  |  |
| L0006186 | 475803.637 | 3746352.001 | 467.00 |  |  |
| L0006187 | 475812.135 | 3746352.162 | 467.00 |  |  |
| L0006188 | 475820.634 | 3746352.324 | 467.00 |  |  |
| L0006189 | 475829.132 | 3746352.485 | 467.00 |  |  |
| L0006190 | 475837.630 | 3746352.647 | 466.75 |  |  |
| L0006191 | 475846.129 | 3746352.808 | 466.46 |  |  |
| L0006192 | 475854.627 | 3746352.970 | 466.18 |  |  |
| L0006193 | 475863.126 | 3746353.131 | 466.00 |  |  |
| L0006194 | 475871.624 | 3746353.293 | 466.00 |  |  |
| L0006195 | 475880.123 | 3746353.454 | 466.00 |  |  |
| L0006196 | 475888.621 | 3746353.615 | 466.00 |  |  |
| L0006197 | 475897.120 | 3746353.777 | 465.76 |  |  |
| L0006198 | 475905.618 | 3746353.938 | 465.48 |  |  |

\*\* End of LINE VOLUME Source ID = SLINE12

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE13

\*\* DESCRSRC South on Harvill (5%)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 3.63E-06

\*\* Vertical Dimension = 4.00

\*\* SZINIT = 1.86

\*\* Nodes = 2

\*\* 475900.495, 3746348.753, 465.75, 4.00, 3.95

\*\* 475893.674, 3745874.683, 466.11, 4.00, 3.95

\*\*

| LOCATION | VOLUME     |             |        |  |  |
|----------|------------|-------------|--------|--|--|
| L0006199 | 475900.434 | 3746344.503 | 465.65 |  |  |
| L0006200 | 475900.312 | 3746336.004 | 465.66 |  |  |
| L0006201 | 475900.190 | 3746327.505 | 465.66 |  |  |
| L0006202 | 475900.067 | 3746319.006 | 465.66 |  |  |
| L0006203 | 475899.945 | 3746310.507 | 465.67 |  |  |
| L0006204 | 475899.823 | 3746302.008 | 465.67 |  |  |
| L0006205 | 475899.701 | 3746293.509 | 465.68 |  |  |
| L0006206 | 475899.578 | 3746285.010 | 465.68 |  |  |
| L0006207 | 475899.456 | 3746276.511 | 465.68 |  |  |
| L0006208 | 475899.334 | 3746268.011 | 465.69 |  |  |
| L0006209 | 475899.211 | 3746259.512 | 465.69 |  |  |
| L0006210 | 475899.089 | 3746251.013 | 465.70 |  |  |
| L0006211 | 475898.967 | 3746242.514 | 465.78 |  |  |
| L0006212 | 475898.845 | 3746234.015 | 465.86 |  |  |
| L0006213 | 475898.722 | 3746225.516 | 465.95 |  |  |
| L0006214 | 475898.600 | 3746217.017 | 466.00 |  |  |
| L0006215 | 475898.478 | 3746208.518 | 466.00 |  |  |

KnoxBPSchool

| LOCATION | VOLUME | Source ID  | Volume      | Volume | Volume |
|----------|--------|------------|-------------|--------|--------|
| L0006216 | VOLUME | 475898.355 | 3746200.018 | 466.00 |        |
| L0006217 | VOLUME | 475898.233 | 3746191.519 | 466.00 |        |
| L0006218 | VOLUME | 475898.111 | 3746183.020 | 466.00 |        |
| L0006219 | VOLUME | 475897.989 | 3746174.521 | 466.00 |        |
| L0006220 | VOLUME | 475897.866 | 3746166.022 | 466.00 |        |
| L0006221 | VOLUME | 475897.744 | 3746157.523 | 466.06 |        |
| L0006222 | VOLUME | 475897.622 | 3746149.024 | 466.27 |        |
| L0006223 | VOLUME | 475897.499 | 3746140.525 | 466.49 |        |
| L0006224 | VOLUME | 475897.377 | 3746132.025 | 466.70 |        |
| L0006225 | VOLUME | 475897.255 | 3746123.526 | 466.76 |        |
| L0006226 | VOLUME | 475897.132 | 3746115.027 | 466.76 |        |
| L0006227 | VOLUME | 475897.010 | 3746106.528 | 466.77 |        |
| L0006228 | VOLUME | 475896.888 | 3746098.029 | 466.79 |        |
| L0006229 | VOLUME | 475896.766 | 3746089.530 | 466.85 |        |
| L0006230 | VOLUME | 475896.643 | 3746081.031 | 466.92 |        |
| L0006231 | VOLUME | 475896.521 | 3746072.532 | 466.98 |        |
| L0006232 | VOLUME | 475896.399 | 3746064.032 | 467.00 |        |
| L0006233 | VOLUME | 475896.276 | 3746055.533 | 467.00 |        |
| L0006234 | VOLUME | 475896.154 | 3746047.034 | 467.00 |        |
| L0006235 | VOLUME | 475896.032 | 3746038.535 | 467.00 |        |
| L0006236 | VOLUME | 475895.910 | 3746030.036 | 467.00 |        |
| L0006237 | VOLUME | 475895.787 | 3746021.537 | 467.00 |        |
| L0006238 | VOLUME | 475895.665 | 3746013.038 | 467.00 |        |
| L0006239 | VOLUME | 475895.543 | 3746004.539 | 466.97 |        |
| L0006240 | VOLUME | 475895.420 | 3745996.040 | 466.92 |        |
| L0006241 | VOLUME | 475895.298 | 3745987.540 | 466.87 |        |
| L0006242 | VOLUME | 475895.176 | 3745979.041 | 466.80 |        |
| L0006243 | VOLUME | 475895.054 | 3745970.542 | 466.57 |        |
| L0006244 | VOLUME | 475894.931 | 3745962.043 | 466.34 |        |
| L0006245 | VOLUME | 475894.809 | 3745953.544 | 466.10 |        |
| L0006246 | VOLUME | 475894.687 | 3745945.045 | 466.00 |        |
| L0006247 | VOLUME | 475894.564 | 3745936.546 | 466.00 |        |
| L0006248 | VOLUME | 475894.442 | 3745928.047 | 466.00 |        |
| L0006249 | VOLUME | 475894.320 | 3745919.547 | 466.00 |        |
| L0006250 | VOLUME | 475894.198 | 3745911.048 | 466.00 |        |
| L0006251 | VOLUME | 475894.075 | 3745902.549 | 466.00 |        |
| L0006252 | VOLUME | 475893.953 | 3745894.050 | 466.00 |        |
| L0006253 | VOLUME | 475893.831 | 3745885.551 | 466.00 |        |
| L0006254 | VOLUME | 475893.708 | 3745877.052 | 466.00 |        |

\*\* End of LINE VOLUME Source ID = SLINE13

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE15

\*\* DESCRSRC Harvill to Harley Knox/215 Freeway (95%)

\*\* PREFIX

\*\* Length of Side = 8.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0001229

KnoxBPSchool

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** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 21
** 475898.291, 3746349.880, 465.80, 4.00, 3.95
** 475897.244, 3746384.949, 465.78, 4.00, 3.95
** 475883.864, 3746430.490, 466.01, 4.00, 3.95
** 475857.363, 3746478.604, 466.35, 4.00, 3.95
** 475836.008, 3746502.018, 465.98, 4.00, 3.95
** 475773.541, 3746560.505, 467.08, 4.00, 3.95
** 475757.265, 3746583.418, 467.43, 4.00, 3.95
** 475747.784, 3746598.430, 467.74, 4.00, 3.95
** 475740.831, 3746612.810, 468.00, 4.00, 3.95
** 475735.458, 3746623.713, 468.27, 4.00, 3.95
** 475729.769, 3746641.412, 468.28, 4.00, 3.95
** 475724.397, 3746661.796, 468.61, 4.00, 3.95
** 475722.184, 3746677.756, 467.83, 4.00, 3.95
** 475721.394, 3746686.922, 467.87, 4.00, 3.95
** 475720.762, 3746705.884, 467.13, 4.00, 3.95
** 475721.078, 3746723.424, 467.23, 4.00, 3.95
** 475720.301, 3746747.676, 466.09, 4.00, 3.95
** 475758.266, 3746749.305, 466.09, 4.00, 3.95
** 475772.434, 3746749.008, 465.81, 4.00, 3.95
** 475792.326, 3746748.350, 465.42, 4.00, 3.95
** 476110.427, 3746752.643, 460.13, 4.00, 3.95

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** -----
LOCATION L0006255    VOLUME  475898.164 3746354.128 465.73
LOCATION L0006256    VOLUME  475897.910 3746362.624 465.74
LOCATION L0006257    VOLUME  475897.657 3746371.120 465.74
LOCATION L0006258    VOLUME  475897.403 3746379.616 465.75
LOCATION L0006259    VOLUME  475896.351 3746387.986 465.79
LOCATION L0006260    VOLUME  475893.956 3746396.141 465.87
LOCATION L0006261    VOLUME  475891.560 3746404.296 465.95
LOCATION L0006262    VOLUME  475889.164 3746412.452 466.00
LOCATION L0006263    VOLUME  475886.768 3746420.607 466.00
LOCATION L0006264    VOLUME  475884.372 3746428.762 466.00
LOCATION L0006265    VOLUME  475880.632 3746436.358 465.85
LOCATION L0006266    VOLUME  475876.531 3746443.803 465.75
LOCATION L0006267    VOLUME  475872.430 3746451.249 465.71
LOCATION L0006268    VOLUME  475868.329 3746458.694 465.73
LOCATION L0006269    VOLUME  475864.229 3746466.139 465.68
LOCATION L0006270    VOLUME  475860.128 3746473.585 465.54
LOCATION L0006271    VOLUME  475855.497 3746480.650 465.46
LOCATION L0006272    VOLUME  475849.769 3746486.930 465.44
LOCATION L0006273    VOLUME  475844.041 3746493.210 465.53
LOCATION L0006274    VOLUME  475838.313 3746499.491 465.72
LOCATION L0006275    VOLUME  475832.300 3746505.489 465.92
LOCATION L0006276    VOLUME  475826.095 3746511.299 466.04
LOCATION L0006277    VOLUME  475819.890 3746517.109 466.03

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|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0006278 | VOLUME | 475813.685 | 3746522.918 | 466.05 |
| LOCATION L0006279 | VOLUME | 475807.480 | 3746528.728 | 466.22 |
| LOCATION L0006280 | VOLUME | 475801.276 | 3746534.537 | 466.46 |
| LOCATION L0006281 | VOLUME | 475795.071 | 3746540.347 | 466.73 |
| LOCATION L0006282 | VOLUME | 475788.866 | 3746546.156 | 466.92 |
| LOCATION L0006283 | VOLUME | 475782.661 | 3746551.966 | 467.00 |
| LOCATION L0006284 | VOLUME | 475776.457 | 3746557.775 | 467.00 |
| LOCATION L0006285 | VOLUME | 475770.932 | 3746564.179 | 467.00 |
| LOCATION L0006286 | VOLUME | 475766.009 | 3746571.108 | 467.13 |
| LOCATION L0006287 | VOLUME | 475761.087 | 3746578.038 | 467.30 |
| LOCATION L0006288 | VOLUME | 475756.250 | 3746585.025 | 467.46 |
| LOCATION L0006289 | VOLUME | 475751.711 | 3746592.212 | 467.61 |
| LOCATION L0006290 | VOLUME | 475747.285 | 3746599.461 | 467.76 |
| LOCATION L0006291 | VOLUME | 475743.585 | 3746607.113 | 467.88 |
| LOCATION L0006292 | VOLUME | 475739.870 | 3746614.759 | 468.00 |
| LOCATION L0006293 | VOLUME | 475736.113 | 3746622.383 | 468.13 |
| LOCATION L0006294 | VOLUME | 475733.311 | 3746630.394 | 468.22 |
| LOCATION L0006295 | VOLUME | 475730.710 | 3746638.486 | 468.31 |
| LOCATION L0006296 | VOLUME | 475728.386 | 3746646.660 | 468.17 |
| LOCATION L0006297 | VOLUME | 475726.220 | 3746654.879 | 467.96 |
| LOCATION L0006298 | VOLUME | 475724.212 | 3746663.130 | 467.76 |
| LOCATION L0006299 | VOLUME | 475723.045 | 3746671.549 | 467.54 |
| LOCATION L0006300 | VOLUME | 475721.992 | 3746679.982 | 467.40 |
| LOCATION L0006301 | VOLUME | 475721.343 | 3746688.455 | 467.24 |
| LOCATION L0006302 | VOLUME | 475721.060 | 3746696.951 | 467.06 |
| LOCATION L0006303 | VOLUME | 475720.777 | 3746705.446 | 466.82 |
| LOCATION L0006304 | VOLUME | 475720.907 | 3746713.944 | 466.54 |
| LOCATION L0006305 | VOLUME | 475721.061 | 3746722.443 | 466.25 |
| LOCATION L0006306 | VOLUME | 475720.837 | 3746730.939 | 466.00 |
| LOCATION L0006307 | VOLUME | 475720.565 | 3746739.434 | 466.00 |
| LOCATION L0006308 | VOLUME | 475720.554 | 3746747.687 | 466.00 |
| LOCATION L0006309 | VOLUME | 475729.046 | 3746748.052 | 466.00 |
| LOCATION L0006310 | VOLUME | 475737.539 | 3746748.416 | 466.00 |
| LOCATION L0006311 | VOLUME | 475746.031 | 3746748.780 | 466.00 |
| LOCATION L0006312 | VOLUME | 475754.523 | 3746749.144 | 466.00 |
| LOCATION L0006313 | VOLUME | 475763.019 | 3746749.205 | 466.00 |
| LOCATION L0006314 | VOLUME | 475771.517 | 3746749.027 | 465.92 |
| LOCATION L0006315 | VOLUME | 475780.012 | 3746748.757 | 465.46 |
| LOCATION L0006316 | VOLUME | 475788.508 | 3746748.476 | 465.00 |
| LOCATION L0006317 | VOLUME | 475797.005 | 3746748.413 | 464.55 |
| LOCATION L0006318 | VOLUME | 475805.504 | 3746748.528 | 464.20 |
| LOCATION L0006319 | VOLUME | 475814.004 | 3746748.642 | 463.91 |
| LOCATION L0006320 | VOLUME | 475822.503 | 3746748.757 | 463.62 |
| LOCATION L0006321 | VOLUME | 475831.002 | 3746748.872 | 463.37 |
| LOCATION L0006322 | VOLUME | 475839.501 | 3746748.987 | 463.37 |
| LOCATION L0006323 | VOLUME | 475848.000 | 3746749.101 | 463.36 |
| LOCATION L0006324 | VOLUME | 475856.500 | 3746749.216 | 463.36 |
| LOCATION L0006325 | VOLUME | 475864.999 | 3746749.331 | 463.30 |

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|          |                   |                                      |                     |             |         |
|----------|-------------------|--------------------------------------|---------------------|-------------|---------|
| LOCATION | L0006326          | VOLUME                               | 475873.498          | 3746749.445 | 463.19  |
| LOCATION | L0006327          | VOLUME                               | 475881.997          | 3746749.560 | 463.09  |
| LOCATION | L0006328          | VOLUME                               | 475890.497          | 3746749.675 | 463.00  |
| LOCATION | L0006329          | VOLUME                               | 475898.996          | 3746749.790 | 463.00  |
| LOCATION | L0006330          | VOLUME                               | 475907.495          | 3746749.904 | 463.00  |
| LOCATION | L0006331          | VOLUME                               | 475915.994          | 3746750.019 | 463.00  |
| LOCATION | L0006332          | VOLUME                               | 475924.494          | 3746750.134 | 462.90  |
| LOCATION | L0006333          | VOLUME                               | 475932.993          | 3746750.248 | 462.71  |
| LOCATION | L0006334          | VOLUME                               | 475941.492          | 3746750.363 | 462.51  |
| LOCATION | L0006335          | VOLUME                               | 475949.991          | 3746750.478 | 462.32  |
| LOCATION | L0006336          | VOLUME                               | 475958.490          | 3746750.593 | 462.22  |
| LOCATION | L0006337          | VOLUME                               | 475966.990          | 3746750.707 | 462.13  |
| LOCATION | L0006338          | VOLUME                               | 475975.489          | 3746750.822 | 462.05  |
| LOCATION | L0006339          | VOLUME                               | 475983.988          | 3746750.937 | 462.00  |
| LOCATION | L0006340          | VOLUME                               | 475992.487          | 3746751.052 | 462.00  |
| LOCATION | L0006341          | VOLUME                               | 476000.987          | 3746751.166 | 462.00  |
| LOCATION | L0006342          | VOLUME                               | 476009.486          | 3746751.281 | 462.00  |
| LOCATION | L0006343          | VOLUME                               | 476017.985          | 3746751.396 | 461.73  |
| LOCATION | L0006344          | VOLUME                               | 476026.484          | 3746751.510 | 461.45  |
| LOCATION | L0006345          | VOLUME                               | 476034.983          | 3746751.625 | 461.17  |
| LOCATION | L0006346          | VOLUME                               | 476043.483          | 3746751.740 | 461.00  |
| LOCATION | L0006347          | VOLUME                               | 476051.982          | 3746751.855 | 461.00  |
| LOCATION | L0006348          | VOLUME                               | 476060.481          | 3746751.969 | 461.00  |
| LOCATION | L0006349          | VOLUME                               | 476068.980          | 3746752.084 | 461.00  |
| LOCATION | L0006350          | VOLUME                               | 476077.480          | 3746752.199 | 460.75  |
| LOCATION | L0006351          | VOLUME                               | 476085.979          | 3746752.313 | 460.47  |
| LOCATION | L0006352          | VOLUME                               | 476094.478          | 3746752.428 | 460.18  |
| LOCATION | L0006353          | VOLUME                               | 476102.977          | 3746752.543 | 460.00  |
| **       | End of LINE       | VOLUME                               | Source ID = SLINE15 |             |         |
| LOCATION | PAREA1            | AREAPOLY                             | 474745.374          | 3746237.975 | 502.460 |
| **       | DESCRSRC          | Yard Tractors Building E (West Side) |                     |             |         |
| LOCATION | PAREA2            | AREAPOLY                             | 475006.383          | 3746235.194 | 490.450 |
| **       | DESCRSRC          | Yard Tractors Building E (East Side) |                     |             |         |
| LOCATION | AREA1             | AREA                                 | 475113.660          | 3745988.060 | 487.360 |
| **       | DESCRSRC          | Yard Tractors Building E (West Side) |                     |             |         |
| LOCATION | AREA2             | AREA                                 | 475380.860          | 3745968.940 | 478.610 |
| **       | DESCRSRC          | Yard Tractors Building D (East Side) |                     |             |         |
| **       | Source Parameters | **                                   |                     |             |         |
| **       | LINE              | VOLUME                               | Source ID = SLINE1  |             |         |
| SRCPARAM | L0005585          | 0.000001857                          | 4.00                | 3.95        | 1.86    |
| SRCPARAM | L0005586          | 0.000001857                          | 4.00                | 3.95        | 1.86    |
| SRCPARAM | L0005587          | 0.000001857                          | 4.00                | 3.95        | 1.86    |
| SRCPARAM | L0005588          | 0.000001857                          | 4.00                | 3.95        | 1.86    |
| SRCPARAM | L0005589          | 0.000001857                          | 4.00                | 3.95        | 1.86    |
| SRCPARAM | L0005590          | 0.000001857                          | 4.00                | 3.95        | 1.86    |
| SRCPARAM | L0005591          | 0.000001857                          | 4.00                | 3.95        | 1.86    |
| SRCPARAM | L0005592          | 0.000001857                          | 4.00                | 3.95        | 1.86    |
| SRCPARAM | L0005593          | 0.000001857                          | 4.00                | 3.95        | 1.86    |

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|----------|----------|-------------|------|------|------|
| SRCPARAM | L0005594 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005595 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005596 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005597 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005598 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005599 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005600 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005601 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005602 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005603 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005604 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005605 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005606 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005607 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005608 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005609 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005610 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005611 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005612 | 0.000001857 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE2

|          |          |             |      |      |      |
|----------|----------|-------------|------|------|------|
| SRCPARAM | L0005613 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005614 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005615 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005616 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005617 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005618 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005619 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005620 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005621 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005622 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005623 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005624 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005625 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005626 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005627 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005628 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005629 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005630 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005631 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005632 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005633 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005634 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005635 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005636 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005637 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005638 | 0.000001857 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005639 | 0.000001857 | 4.00 | 3.95 | 1.86 |

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|          |                                |             |      |      |      |
|----------|--------------------------------|-------------|------|------|------|
| SRCPARAM | L0005640                       | 0.000001857 | 4.00 | 3.95 | 1.86 |
| **       | -----                          |             |      |      |      |
| **       | LINE VOLUME Source ID = SLINE3 |             |      |      |      |
| SRCPARAM | L0005641                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005642                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005643                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005644                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005645                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005646                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005647                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005648                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005649                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005650                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005651                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005652                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005653                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005654                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005655                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005656                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005657                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005658                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005659                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005660                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005661                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005662                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005663                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005664                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005665                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005666                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005667                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005668                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| **       | -----                          |             |      |      |      |
| **       | LINE VOLUME Source ID = SLINE4 |             |      |      |      |
| SRCPARAM | L0005669                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005670                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005671                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005672                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005673                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005674                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005675                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005676                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005677                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005678                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005679                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005680                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005681                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005682                       | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005683                       | 0.000002348 | 4.00 | 3.95 | 1.86 |



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|                   |             |      |      |      |
|-------------------|-------------|------|------|------|
| SRCPARAM L0005684 | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005685 | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005686 | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005687 | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005688 | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005689 | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005690 | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005691 | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005692 | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005693 | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005694 | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005695 | 0.000002348 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005696 | 0.000002348 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE5

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005697 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005698 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005699 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005700 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005701 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005702 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005703 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005704 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005705 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005706 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005707 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005708 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005709 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005710 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005711 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005712 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005713 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005714 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005715 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005716 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005717 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005718 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005719 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005720 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005721 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005722 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005723 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005724 | 0.0000006575 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE6

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005725 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005726 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005727 | 0.0000006575 | 4.00 | 3.95 | 1.86 |

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|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0005728 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005729 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005730 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005731 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005732 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005733 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005734 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005735 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005736 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005737 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005738 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005739 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005740 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005741 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005742 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005743 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005744 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005745 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005746 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005747 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005748 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005749 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005750 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005751 | 0.0000006575 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005752 | 0.0000006575 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE7

|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0005753 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005754 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005755 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005756 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005757 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005758 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005759 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005760 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005761 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005762 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005763 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005764 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005765 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005766 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005767 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005768 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005769 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005770 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005771 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005772 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0005773 | 0.0000008311 | 4.00 | 3.95 | 1.86 |

KnoxBPSchool

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005774 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005775 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005776 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005777 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005778 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005779 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005780 | 0.0000008311 | 4.00 | 3.95 | 1.86 |

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 \*\* LINE VOLUME Source ID = SLINE8

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005781 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005782 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005783 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005784 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005785 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005786 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005787 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005788 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005789 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005790 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005791 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005792 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005793 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005794 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005795 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005796 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005797 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005798 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005799 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005800 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005801 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005802 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005803 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005804 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005805 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005806 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005807 | 0.0000008311 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005808 | 0.0000008311 | 4.00 | 3.95 | 1.86 |

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 \*\* LINE VOLUME Source ID = SLINE9

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005809 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005810 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005811 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005812 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005813 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005814 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005815 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005816 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005817 | 0.0000002867 | 4.00 | 3.95 | 1.86 |





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|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005914 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005915 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005916 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005917 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005918 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005919 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005920 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005921 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005922 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005923 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005924 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005925 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005926 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005927 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005928 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005929 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005930 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005931 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005932 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005933 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005934 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005935 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005936 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005937 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005938 | 0.0000002867 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005939 | 0.0000002867 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE10

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0005940 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005941 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005942 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005943 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005944 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005945 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005946 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005947 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005948 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005949 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005950 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005951 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005952 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005953 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005954 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005955 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005956 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005957 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005958 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0005959 | 0.0000002869 | 4.00 | 3.95 | 1.86 |



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|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0006008 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006009 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006010 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006011 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006012 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006013 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006014 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006015 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006016 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006017 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006018 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006019 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006020 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006021 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006022 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006023 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006024 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006025 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006026 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006027 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006028 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006029 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006030 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006031 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006032 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006033 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006034 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006035 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006036 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006037 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006038 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006039 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006040 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006041 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006042 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006043 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006044 | 0.0000002869 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006045 | 0.0000002869 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE11

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0006046 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006047 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006048 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006049 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006050 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006051 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006052 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006053 | 0.0000003635 | 4.00 | 3.95 | 1.86 |





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|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0006102 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006103 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006104 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006105 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006106 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006107 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006108 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006109 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006110 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006111 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006112 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006113 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006114 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006115 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006116 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006117 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006118 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006119 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006120 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006121 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006122 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006123 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006124 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006125 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006126 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006127 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006128 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006129 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006130 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006131 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006132 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006133 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006134 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006135 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006136 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006137 | 0.0000003635 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006138 | 0.0000003635 | 4.00 | 3.95 | 1.86 |

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\*\* LINE VOLUME Source ID = SLINE12

|                   |             |      |      |      |
|-------------------|-------------|------|------|------|
| SRCPARAM L0006139 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006140 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006141 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006142 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006143 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006144 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006145 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006146 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006147 | 0.000000364 | 4.00 | 3.95 | 1.86 |

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|                   |             |      |      |      |
|-------------------|-------------|------|------|------|
| SRCPARAM L0006148 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006149 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006150 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006151 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006152 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006153 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006154 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006155 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006156 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006157 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006158 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006159 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006160 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006161 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006162 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006163 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006164 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006165 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006166 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006167 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006168 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006169 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006170 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006171 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006172 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006173 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006174 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006175 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006176 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006177 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006178 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006179 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006180 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006181 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006182 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006183 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006184 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006185 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006186 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006187 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006188 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006189 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006190 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006191 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006192 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006193 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006194 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006195 | 0.000000364 | 4.00 | 3.95 | 1.86 |

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|          |          |             |      |      |      |
|----------|----------|-------------|------|------|------|
| SRCPARAM | L0006196 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006197 | 0.000000364 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006198 | 0.000000364 | 4.00 | 3.95 | 1.86 |

\*\*

\*\* LINE VOLUME Source ID = SLINE13

|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0006199 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006200 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006201 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006202 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006203 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006204 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006205 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006206 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006207 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006208 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006209 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006210 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006211 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006212 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006213 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006214 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006215 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006216 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006217 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006218 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006219 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006220 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006221 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006222 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006223 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006224 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006225 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006226 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006227 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006228 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006229 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006230 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006231 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006232 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006233 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006234 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006235 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006236 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006237 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006238 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006239 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006240 | 0.0000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006241 | 0.0000006482 | 4.00 | 3.95 | 1.86 |

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|          |          |               |      |      |      |
|----------|----------|---------------|------|------|------|
| SRCPARAM | L0006242 | 0.00000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006243 | 0.00000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006244 | 0.00000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006245 | 0.00000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006246 | 0.00000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006247 | 0.00000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006248 | 0.00000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006249 | 0.00000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006250 | 0.00000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006251 | 0.00000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006252 | 0.00000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006253 | 0.00000006482 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006254 | 0.00000006482 | 4.00 | 3.95 | 1.86 |

\*\*

\*\* LINE VOLUME Source ID = SLINE15

|          |          |             |      |      |      |
|----------|----------|-------------|------|------|------|
| SRCPARAM | L0006255 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006256 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006257 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006258 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006259 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006260 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006261 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006262 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006263 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006264 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006265 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006266 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006267 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006268 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006269 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006270 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006271 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006272 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006273 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006274 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006275 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006276 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006277 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006278 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006279 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006280 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006281 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006282 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006283 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006284 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006285 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006286 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM | L0006287 | 0.000001241 | 4.00 | 3.95 | 1.86 |



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|                   |             |      |      |      |
|-------------------|-------------|------|------|------|
| SRCPARAM L0006336 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006337 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006338 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006339 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006340 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006341 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006342 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006343 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006344 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006345 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006346 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006347 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006348 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006349 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006350 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006351 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006352 | 0.000001241 | 4.00 | 3.95 | 1.86 |
| SRCPARAM L0006353 | 0.000001241 | 4.00 | 3.95 | 1.86 |

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|                 |            |             |            |             |       |
|-----------------|------------|-------------|------------|-------------|-------|
| SRCPARAM PAREA1 | 3.528E-09  | 3.900       | 9          | 1.800       |       |
| AREAVERT PAREA1 | 474745.374 | 3746237.975 | 474837.822 | 3746236.237 |       |
| AREAVERT PAREA1 | 474833.651 | 3745984.959 | 474785.342 | 3745986.349 |       |
| AREAVERT PAREA1 | 474780.129 | 3745991.910 | 474780.824 | 3746073.931 |       |
| AREAVERT PAREA1 | 474755.105 | 3746094.437 | 474744.679 | 3746095.479 |       |
| AREAVERT PAREA1 | 474745.374 | 3746239.365 |            |             |       |
| SRCPARAM PAREA2 | 5.0784E-09 | 3.900       | 9          | 1.800       |       |
| AREAVERT PAREA2 | 475006.383 | 3746235.194 | 475043.571 | 3746234.499 |       |
| AREAVERT PAREA2 | 475043.571 | 3746216.079 | 475062.686 | 3746215.036 |       |
| AREAVERT PAREA2 | 475060.254 | 3745995.385 | 475044.961 | 3745996.080 |       |
| AREAVERT PAREA2 | 475043.571 | 3745988.434 | 475007.426 | 3745989.824 |       |
| AREAVERT PAREA2 | 475004.298 | 3745990.867 |            |             |       |
| SRCPARAM AREA1  | 4.48E-09   | 3.900       | 59.076     | 255.832     | 0.337 |

1.800

|                |            |       |        |         |       |
|----------------|------------|-------|--------|---------|-------|
| SRCPARAM AREA2 | 3.3429E-09 | 3.900 | 75.775 | 267.300 | 0.263 |
|----------------|------------|-------|--------|---------|-------|

1.800

URBANSRC ALL

SRCGROUP ALL

SO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Receptor Pathway

\*\*\*\*\*

\*\*

\*\*

RE STARTING

INCLUDED KnoxBPSchool.rou

RE FINISHED

\*\*

KnoxBPSchool

\*\*\*\*\*

\*\* AERMOD Meteorology Pathway

\*\*\*\*\*

\*\*  
\*\*

ME STARTING

SURFFILE "..\SRA24\_Met Data\peri8.sfc"  
PROFFILE "..\SRA24\_Met Data\peri8.PFL"  
SURFDATA 3190 2007  
UAIRDATA 3190 2007  
SITEDATA 99999 2007  
PROFBASE 442.0 METERS

ME FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Output Pathway

\*\*\*\*\*

\*\*  
\*\*

OU STARTING

\*\* Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL KNOXBPSCHOOL.AD\AN00GALL.PLT 31  
SUMMFILE KnoxBPSchool.sum

OU FINISHED

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

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

A Total of                    0 Fatal Error Message(s)  
A Total of                    1 Warning Message(s)  
A Total of                    0 Informational Message(s)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

ME W531      1883            MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for  
SURFDATA

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

♀ \*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* C:\Lakes\AERMOD



KnoxBPSchool  
View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc \*\*\* 09/25/15  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
\*\*\* 11:10:13

PAGE 1  
\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* MODEL SETUP OPTIONS SUMMARY

\*\*\*

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

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

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

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

\*\*Model Uses URBAN Dispersion Algorithm for the SBL for 773 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 2100516.0 ; Urban Roughness Length = 1.000 m

\*\*Model Uses Regulatory DEFAULT Options:

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

\*\*Other Options Specified:

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: DPM

\*\*Model Calculates ANNUAL Averages Only

\*\*This Run Includes: 773 Source(s); 1 Source Group(s); and 3  
Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 769 VOLUME source(s)  
and: 4 AREA type source(s)

KnoxBPSchool  
and: 0 LINE source(s)  
and: 0 OPENPIT source(s)

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

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

\*\*Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor  
Model Outputs External File(s) of High Values for Plotting (PLOTFILE

Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE

Keyword)

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

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay  
Coef. = 0.000 ; Rot. Angle = 0.0  
Emission Units = GRAMS/SEC ;  
Emission Rate Unit Factor = 0.10000E+07  
Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 4.1 MB of RAM.

\*\*Detailed Error/Message File: KnoxBPSchool.err

\*\*File for Summary of Results: KnoxBPSchool.sum

♀ \*\*\* AERMOD - VERSION 15181 \*\*\* C:\Lakes\AERMOD  
View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc \*\*\* 09/25/15  
\*\*\* AERMET - VERSION 14134 \*\*\*  
\*\*\* 11:10:13

\*\*MODELOPTs: RegDFAULT CONC PAGE 2  
ELEV URBAN

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

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

KnoxBPSchool

| ID<br>(METERS)       | CATS.<br>BY | (METERS)    | (METERS) | (METERS)  | (METERS) | (METERS)  |
|----------------------|-------------|-------------|----------|-----------|----------|-----------|
| L0005585<br>1.86 YES | 0           | 0.18570E-05 | 474824.8 | 3746232.3 | 496.8    | 4.00 3.95 |
| L0005586<br>1.86 YES | 0           | 0.18570E-05 | 474824.6 | 3746223.8 | 497.0    | 4.00 3.95 |
| L0005587<br>1.86 YES | 0           | 0.18570E-05 | 474824.5 | 3746215.3 | 497.1    | 4.00 3.95 |
| L0005588<br>1.86 YES | 0           | 0.18570E-05 | 474824.3 | 3746206.8 | 497.3    | 4.00 3.95 |
| L0005589<br>1.86 YES | 0           | 0.18570E-05 | 474824.1 | 3746198.3 | 497.4    | 4.00 3.95 |
| L0005590<br>1.86 YES | 0           | 0.18570E-05 | 474824.0 | 3746189.8 | 497.6    | 4.00 3.95 |
| L0005591<br>1.86 YES | 0           | 0.18570E-05 | 474823.8 | 3746181.3 | 498.1    | 4.00 3.95 |
| L0005592<br>1.86 YES | 0           | 0.18570E-05 | 474823.7 | 3746172.8 | 498.7    | 4.00 3.95 |
| L0005593<br>1.86 YES | 0           | 0.18570E-05 | 474823.5 | 3746164.3 | 499.3    | 4.00 3.95 |
| L0005594<br>1.86 YES | 0           | 0.18570E-05 | 474823.3 | 3746155.8 | 499.4    | 4.00 3.95 |
| L0005595<br>1.86 YES | 0           | 0.18570E-05 | 474823.2 | 3746147.3 | 499.2    | 4.00 3.95 |
| L0005596<br>1.86 YES | 0           | 0.18570E-05 | 474823.0 | 3746138.8 | 498.9    | 4.00 3.95 |
| L0005597<br>1.86 YES | 0           | 0.18570E-05 | 474822.9 | 3746130.3 | 498.7    | 4.00 3.95 |
| L0005598<br>1.86 YES | 0           | 0.18570E-05 | 474822.7 | 3746121.8 | 498.6    | 4.00 3.95 |
| L0005599<br>1.86 YES | 0           | 0.18570E-05 | 474822.5 | 3746113.3 | 498.4    | 4.00 3.95 |
| L0005600<br>1.86 YES | 0           | 0.18570E-05 | 474822.4 | 3746104.8 | 498.3    | 4.00 3.95 |
| L0005601<br>1.86 YES | 0           | 0.18570E-05 | 474822.2 | 3746096.3 | 498.2    | 4.00 3.95 |
| L0005602<br>1.86 YES | 0           | 0.18570E-05 | 474822.1 | 3746087.8 | 498.2    | 4.00 3.95 |
| L0005603<br>1.86 YES | 0           | 0.18570E-05 | 474821.9 | 3746079.3 | 498.2    | 4.00 3.95 |
| L0005604<br>1.86 YES | 0           | 0.18570E-05 | 474821.8 | 3746070.8 | 498.2    | 4.00 3.95 |
| L0005605<br>1.86 YES | 0           | 0.18570E-05 | 474821.6 | 3746062.3 | 498.5    | 4.00 3.95 |
| L0005606             | 0           | 0.18570E-05 | 474821.4 | 3746053.8 | 498.8    | 4.00 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005607 |     | 0 | 0.18570E-05 | 474821.3 | 3746045.3 | 499.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005608 |     | 0 | 0.18570E-05 | 474821.1 | 3746036.8 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005609 |     | 0 | 0.18570E-05 | 474821.0 | 3746028.3 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005610 |     | 0 | 0.18570E-05 | 474820.8 | 3746019.8 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005611 |     | 0 | 0.18570E-05 | 474820.6 | 3746011.3 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005612 |     | 0 | 0.18570E-05 | 474820.5 | 3746002.8 | 499.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005613 |     | 0 | 0.18570E-05 | 475021.9 | 3746228.2 | 489.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005614 |     | 0 | 0.18570E-05 | 475021.8 | 3746219.7 | 489.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005615 |     | 0 | 0.18570E-05 | 475021.6 | 3746211.2 | 489.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005616 |     | 0 | 0.18570E-05 | 475021.5 | 3746202.7 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005617 |     | 0 | 0.18570E-05 | 475021.3 | 3746194.2 | 489.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005618 |     | 0 | 0.18570E-05 | 475021.1 | 3746185.7 | 489.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005619 |     | 0 | 0.18570E-05 | 475021.0 | 3746177.2 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005620 |     | 0 | 0.18570E-05 | 475020.8 | 3746168.7 | 489.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005621 |     | 0 | 0.18570E-05 | 475020.7 | 3746160.2 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005622 |     | 0 | 0.18570E-05 | 475020.5 | 3746151.7 | 489.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005623 |     | 0 | 0.18570E-05 | 475020.3 | 3746143.2 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005624 |     | 0 | 0.18570E-05 | 475020.2 | 3746134.7 | 489.2 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 11:10:13

\*\*MODELOPTs: RegDEFAULT CONC PAGE 3  
 ELEV URBAN

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

KnoxBPSchool

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE        |           | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------|-------------|-------------|-----------|----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | RATE        | (GRAMS/SEC) | X         | Y        | ELEV.    | HEIGHT   | SY       |
| (METERS) | ID     | SCALAR   | VARY        |             | (METERS)  | (METERS) | (METERS) | (METERS) | (METERS) |
|          |        | CATS.    | BY          |             |           |          |          |          |          |
| L0005625 |        | 0        | 0.18570E-05 | 475020.0    | 3746126.2 | 489.1    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005626 |        | 0        | 0.18570E-05 | 475019.9    | 3746117.7 | 489.4    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005627 |        | 0        | 0.18570E-05 | 475019.7    | 3746109.2 | 489.7    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005628 |        | 0        | 0.18570E-05 | 475019.6    | 3746100.7 | 490.0    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005629 |        | 0        | 0.18570E-05 | 475019.4    | 3746092.2 | 490.0    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005630 |        | 0        | 0.18570E-05 | 475019.2    | 3746083.7 | 490.0    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005631 |        | 0        | 0.18570E-05 | 475019.1    | 3746075.2 | 490.0    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005632 |        | 0        | 0.18570E-05 | 475018.9    | 3746066.7 | 490.0    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005633 |        | 0        | 0.18570E-05 | 475018.8    | 3746058.2 | 490.1    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005634 |        | 0        | 0.18570E-05 | 475018.6    | 3746049.7 | 490.1    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005635 |        | 0        | 0.18570E-05 | 475018.4    | 3746041.2 | 490.1    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005636 |        | 0        | 0.18570E-05 | 475018.3    | 3746032.7 | 490.3    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005637 |        | 0        | 0.18570E-05 | 475018.1    | 3746024.2 | 490.6    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005638 |        | 0        | 0.18570E-05 | 475018.0    | 3746015.7 | 490.9    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005639 |        | 0        | 0.18570E-05 | 475017.8    | 3746007.2 | 491.1    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005640 |        | 0        | 0.18570E-05 | 475017.6    | 3745998.7 | 491.1    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005641 |        | 0        | 0.23480E-05 | 475163.7    | 3746225.8 | 485.0    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005642 |        | 0        | 0.23480E-05 | 475163.5    | 3746217.3 | 485.1    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005643 |        | 0        | 0.23480E-05 | 475163.4    | 3746208.8 | 484.9    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005644 |        | 0        | 0.23480E-05 | 475163.2    | 3746200.3 | 484.7    | 4.00     | 3.95     |          |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005645 |     | 0 | 0.23480E-05 | 475163.1 | 3746191.8 | 484.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005646 |     | 0 | 0.23480E-05 | 475162.9 | 3746183.3 | 484.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005647 |     | 0 | 0.23480E-05 | 475162.7 | 3746174.8 | 484.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005648 |     | 0 | 0.23480E-05 | 475162.6 | 3746166.3 | 485.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005649 |     | 0 | 0.23480E-05 | 475162.4 | 3746157.8 | 485.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005650 |     | 0 | 0.23480E-05 | 475162.3 | 3746149.3 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005651 |     | 0 | 0.23480E-05 | 475162.1 | 3746140.8 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005652 |     | 0 | 0.23480E-05 | 475162.0 | 3746132.3 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005653 |     | 0 | 0.23480E-05 | 475161.8 | 3746123.8 | 485.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005654 |     | 0 | 0.23480E-05 | 475161.6 | 3746115.3 | 485.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005655 |     | 0 | 0.23480E-05 | 475161.5 | 3746106.8 | 486.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005656 |     | 0 | 0.23480E-05 | 475161.3 | 3746098.3 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005657 |     | 0 | 0.23480E-05 | 475161.2 | 3746089.8 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005658 |     | 0 | 0.23480E-05 | 475161.0 | 3746081.3 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005659 |     | 0 | 0.23480E-05 | 475160.8 | 3746072.8 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005660 |     | 0 | 0.23480E-05 | 475160.7 | 3746064.3 | 486.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005661 |     | 0 | 0.23480E-05 | 475160.5 | 3746055.8 | 486.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005662 |     | 0 | 0.23480E-05 | 475160.4 | 3746047.3 | 487.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005663 |     | 0 | 0.23480E-05 | 475160.2 | 3746038.8 | 487.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005664 |     | 0 | 0.23480E-05 | 475160.0 | 3746030.3 | 487.6 | 4.00 | 3.95 |

1.86 YES  
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 ELEV URBAN

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

| INIT.    | URBAN  | NUMBER EMISSION RATE | EMISSION RATE |          | BASE      | RELEASE  | INIT.    |          |
|----------|--------|----------------------|---------------|----------|-----------|----------|----------|----------|
| SOURCE   | SOURCE | EMISSION RATE        | (GRAMS/SEC)   | X        | Y         | ELEV.    | HEIGHT   | SY       |
| SZ       | SOURCE | SCALAR VARY          |               | (METERS) | (METERS)  | (METERS) | (METERS) | (METERS) |
| ID       |        | CATS.                | BY            |          |           |          |          |          |
| (METERS) |        |                      |               |          |           |          |          |          |
| L0005665 |        | 0                    | 0.23480E-05   | 475159.9 | 3746021.8 | 487.7    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005666 |        | 0                    | 0.23480E-05   | 475159.7 | 3746013.3 | 487.9    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005667 |        | 0                    | 0.23480E-05   | 475159.6 | 3746004.8 | 488.0    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005668 |        | 0                    | 0.23480E-05   | 475159.4 | 3745996.3 | 488.0    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005669 |        | 0                    | 0.23480E-05   | 475392.2 | 3746219.5 | 477.6    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005670 |        | 0                    | 0.23480E-05   | 475392.0 | 3746211.0 | 477.6    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005671 |        | 0                    | 0.23480E-05   | 475391.8 | 3746202.5 | 477.6    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005672 |        | 0                    | 0.23480E-05   | 475391.7 | 3746194.0 | 477.6    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005673 |        | 0                    | 0.23480E-05   | 475391.5 | 3746185.5 | 477.6    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005674 |        | 0                    | 0.23480E-05   | 475391.4 | 3746177.0 | 477.5    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005675 |        | 0                    | 0.23480E-05   | 475391.2 | 3746168.5 | 477.4    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005676 |        | 0                    | 0.23480E-05   | 475391.0 | 3746160.1 | 477.3    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005677 |        | 0                    | 0.23480E-05   | 475390.9 | 3746151.6 | 477.3    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005678 |        | 0                    | 0.23480E-05   | 475390.7 | 3746143.1 | 477.3    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005679 |        | 0                    | 0.23480E-05   | 475390.6 | 3746134.6 | 477.3    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005680 |        | 0                    | 0.23480E-05   | 475390.4 | 3746126.1 | 477.4    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005681 |        | 0                    | 0.23480E-05   | 475390.2 | 3746117.6 | 477.5    | 4.00     | 3.95     |
| 1.86     | YES    |                      |               |          |           |          |          |          |
| L0005682 |        | 0                    | 0.23480E-05   | 475390.1 | 3746109.1 | 477.6    | 4.00     | 3.95     |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005683 |     | 0 | 0.23480E-05 | 475389.9 | 3746100.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005684 |     | 0 | 0.23480E-05 | 475389.8 | 3746092.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005685 |     | 0 | 0.23480E-05 | 475389.6 | 3746083.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005686 |     | 0 | 0.23480E-05 | 475389.5 | 3746075.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005687 |     | 0 | 0.23480E-05 | 475389.3 | 3746066.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005688 |     | 0 | 0.23480E-05 | 475389.1 | 3746058.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005689 |     | 0 | 0.23480E-05 | 475389.0 | 3746049.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005690 |     | 0 | 0.23480E-05 | 475388.8 | 3746041.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005691 |     | 0 | 0.23480E-05 | 475388.7 | 3746032.6 | 478.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005692 |     | 0 | 0.23480E-05 | 475388.5 | 3746024.1 | 478.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005693 |     | 0 | 0.23480E-05 | 475388.3 | 3746015.6 | 478.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005694 |     | 0 | 0.23480E-05 | 475388.2 | 3746007.1 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005695 |     | 0 | 0.23480E-05 | 475388.0 | 3745998.6 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005696 |     | 0 | 0.23480E-05 | 475387.9 | 3745990.1 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005697 |     | 0 | 0.65750E-06 | 474824.8 | 3746232.3 | 496.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005698 |     | 0 | 0.65750E-06 | 474824.6 | 3746223.8 | 497.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005699 |     | 0 | 0.65750E-06 | 474824.5 | 3746215.3 | 497.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005700 |     | 0 | 0.65750E-06 | 474824.3 | 3746206.8 | 497.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005701 |     | 0 | 0.65750E-06 | 474824.1 | 3746198.3 | 497.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005702 |     | 0 | 0.65750E-06 | 474824.0 | 3746189.8 | 497.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005703 |     | 0 | 0.65750E-06 | 474823.8 | 3746181.3 | 498.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005704 |     | 0 | 0.65750E-06 | 474823.7 | 3746172.8 | 498.7 | 4.00 | 3.95 |

1.86 YES  
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 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*



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\*\*MODELOPTs: RegDEFAULT CONC

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

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE |          | BASE      | RELEASE  | INIT.    |          |
|----------|--------|----------|-------------|------|----------|-----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | RATE        |      | X        | Y         | ELEV.    | HEIGHT   | SY       |
| ID       | SOURCE | SCALAR   | VARY        |      | (METERS) | (METERS)  | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY          |      |          |           |          |          |          |
| L0005705 |        | 0        | 0.65750E-06 |      | 474823.5 | 3746164.3 | 499.3    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |          |
| L0005706 |        | 0        | 0.65750E-06 |      | 474823.3 | 3746155.8 | 499.4    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |          |
| L0005707 |        | 0        | 0.65750E-06 |      | 474823.2 | 3746147.3 | 499.2    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |          |
| L0005708 |        | 0        | 0.65750E-06 |      | 474823.0 | 3746138.8 | 498.9    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |          |
| L0005709 |        | 0        | 0.65750E-06 |      | 474822.9 | 3746130.3 | 498.7    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |          |
| L0005710 |        | 0        | 0.65750E-06 |      | 474822.7 | 3746121.8 | 498.6    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |          |
| L0005711 |        | 0        | 0.65750E-06 |      | 474822.5 | 3746113.3 | 498.4    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |          |
| L0005712 |        | 0        | 0.65750E-06 |      | 474822.4 | 3746104.8 | 498.3    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |          |
| L0005713 |        | 0        | 0.65750E-06 |      | 474822.2 | 3746096.3 | 498.2    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |          |
| L0005714 |        | 0        | 0.65750E-06 |      | 474822.1 | 3746087.8 | 498.2    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |          |
| L0005715 |        | 0        | 0.65750E-06 |      | 474821.9 | 3746079.3 | 498.2    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |          |
| L0005716 |        | 0        | 0.65750E-06 |      | 474821.8 | 3746070.8 | 498.2    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |          |
| L0005717 |        | 0        | 0.65750E-06 |      | 474821.6 | 3746062.3 | 498.5    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |          |
| L0005718 |        | 0        | 0.65750E-06 |      | 474821.4 | 3746053.8 | 498.8    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |          |
| L0005719 |        | 0        | 0.65750E-06 |      | 474821.3 | 3746045.3 | 499.1    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |          |
| L0005720 |        | 0        | 0.65750E-06 |      | 474821.1 | 3746036.8 | 499.3    | 4.00     | 3.95     |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005721 |     | 0 | 0.65750E-06 | 474821.0 | 3746028.3 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005722 |     | 0 | 0.65750E-06 | 474820.8 | 3746019.8 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005723 |     | 0 | 0.65750E-06 | 474820.6 | 3746011.3 | 499.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005724 |     | 0 | 0.65750E-06 | 474820.5 | 3746002.8 | 499.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005725 |     | 0 | 0.65750E-06 | 475021.9 | 3746228.2 | 489.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005726 |     | 0 | 0.65750E-06 | 475021.8 | 3746219.7 | 489.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005727 |     | 0 | 0.65750E-06 | 475021.6 | 3746211.2 | 489.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005728 |     | 0 | 0.65750E-06 | 475021.5 | 3746202.7 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005729 |     | 0 | 0.65750E-06 | 475021.3 | 3746194.2 | 489.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005730 |     | 0 | 0.65750E-06 | 475021.1 | 3746185.7 | 489.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005731 |     | 0 | 0.65750E-06 | 475021.0 | 3746177.2 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005732 |     | 0 | 0.65750E-06 | 475020.8 | 3746168.7 | 489.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005733 |     | 0 | 0.65750E-06 | 475020.7 | 3746160.2 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005734 |     | 0 | 0.65750E-06 | 475020.5 | 3746151.7 | 489.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005735 |     | 0 | 0.65750E-06 | 475020.3 | 3746143.2 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005736 |     | 0 | 0.65750E-06 | 475020.2 | 3746134.7 | 489.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005737 |     | 0 | 0.65750E-06 | 475020.0 | 3746126.2 | 489.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005738 |     | 0 | 0.65750E-06 | 475019.9 | 3746117.7 | 489.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005739 |     | 0 | 0.65750E-06 | 475019.7 | 3746109.2 | 489.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005740 |     | 0 | 0.65750E-06 | 475019.6 | 3746100.7 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005741 |     | 0 | 0.65750E-06 | 475019.4 | 3746092.2 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005742 |     | 0 | 0.65750E-06 | 475019.2 | 3746083.7 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005743 |     | 0 | 0.65750E-06 | 475019.1 | 3746075.2 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005744 |     | 0 | 0.65750E-06 | 475018.9 | 3746066.7 | 490.0 | 4.00 | 3.95 |

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1.86 YES

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\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE |          | BASE      | RELEASE  | INIT.    |
|----------|--------|----------|-------------|------|----------|-----------|----------|----------|
| SZ       | SOURCE | EMISSION | RATE        |      |          | ELEV.     | HEIGHT   | SY       |
| ID       | SOURCE | SCALAR   | VARY        |      | X        | Y         |          |          |
| (METERS) |        | CATS.    | BY          |      | (METERS) | (METERS)  | (METERS) | (METERS) |
| L0005745 |        | 0        | 0.65750E-06 |      | 475018.8 | 3746058.2 | 490.1    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0005746 |        | 0        | 0.65750E-06 |      | 475018.6 | 3746049.7 | 490.1    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0005747 |        | 0        | 0.65750E-06 |      | 475018.4 | 3746041.2 | 490.1    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0005748 |        | 0        | 0.65750E-06 |      | 475018.3 | 3746032.7 | 490.3    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0005749 |        | 0        | 0.65750E-06 |      | 475018.1 | 3746024.2 | 490.6    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0005750 |        | 0        | 0.65750E-06 |      | 475018.0 | 3746015.7 | 490.9    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0005751 |        | 0        | 0.65750E-06 |      | 475017.8 | 3746007.2 | 491.1    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0005752 |        | 0        | 0.65750E-06 |      | 475017.6 | 3745998.7 | 491.1    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0005753 |        | 0        | 0.83110E-06 |      | 475163.7 | 3746225.8 | 485.0    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0005754 |        | 0        | 0.83110E-06 |      | 475163.5 | 3746217.3 | 485.1    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0005755 |        | 0        | 0.83110E-06 |      | 475163.4 | 3746208.8 | 484.9    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0005756 |        | 0        | 0.83110E-06 |      | 475163.2 | 3746200.3 | 484.7    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0005757 |        | 0        | 0.83110E-06 |      | 475163.1 | 3746191.8 | 484.5    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0005758 |        | 0        | 0.83110E-06 |      | 475162.9 | 3746183.3 | 484.6    | 3.95     |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005759 |     | 0 | 0.83110E-06 | 475162.7 | 3746174.8 | 484.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005760 |     | 0 | 0.83110E-06 | 475162.6 | 3746166.3 | 485.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005761 |     | 0 | 0.83110E-06 | 475162.4 | 3746157.8 | 485.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005762 |     | 0 | 0.83110E-06 | 475162.3 | 3746149.3 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005763 |     | 0 | 0.83110E-06 | 475162.1 | 3746140.8 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005764 |     | 0 | 0.83110E-06 | 475162.0 | 3746132.3 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005765 |     | 0 | 0.83110E-06 | 475161.8 | 3746123.8 | 485.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005766 |     | 0 | 0.83110E-06 | 475161.6 | 3746115.3 | 485.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005767 |     | 0 | 0.83110E-06 | 475161.5 | 3746106.8 | 486.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005768 |     | 0 | 0.83110E-06 | 475161.3 | 3746098.3 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005769 |     | 0 | 0.83110E-06 | 475161.2 | 3746089.8 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005770 |     | 0 | 0.83110E-06 | 475161.0 | 3746081.3 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005771 |     | 0 | 0.83110E-06 | 475160.8 | 3746072.8 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005772 |     | 0 | 0.83110E-06 | 475160.7 | 3746064.3 | 486.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005773 |     | 0 | 0.83110E-06 | 475160.5 | 3746055.8 | 486.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005774 |     | 0 | 0.83110E-06 | 475160.4 | 3746047.3 | 487.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005775 |     | 0 | 0.83110E-06 | 475160.2 | 3746038.8 | 487.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005776 |     | 0 | 0.83110E-06 | 475160.0 | 3746030.3 | 487.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005777 |     | 0 | 0.83110E-06 | 475159.9 | 3746021.8 | 487.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005778 |     | 0 | 0.83110E-06 | 475159.7 | 3746013.3 | 487.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005779 |     | 0 | 0.83110E-06 | 475159.6 | 3746004.8 | 488.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005780 |     | 0 | 0.83110E-06 | 475159.4 | 3745996.3 | 488.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005781 |     | 0 | 0.83110E-06 | 475392.2 | 3746219.5 | 477.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005782 |     | 0 | 0.83110E-06 | 475392.0 | 3746211.0 | 477.6 | 4.00 | 3.95 |

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1.86 YES  
 L0005783 0 0.83110E-06 475391.8 3746202.5 477.6 4.00 3.95

1.86 YES  
 L0005784 0 0.83110E-06 475391.7 3746194.0 477.6 4.00 3.95

1.86 YES

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\*\*MODELOPTs: RegDFault CONC ELEV URBAN

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

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

|          |   |             |          |           |       |      |      |
|----------|---|-------------|----------|-----------|-------|------|------|
| L0005785 | 0 | 0.83110E-06 | 475391.5 | 3746185.5 | 477.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005786 | 0 | 0.83110E-06 | 475391.4 | 3746177.0 | 477.5 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005787 | 0 | 0.83110E-06 | 475391.2 | 3746168.5 | 477.4 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005788 | 0 | 0.83110E-06 | 475391.0 | 3746160.1 | 477.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005789 | 0 | 0.83110E-06 | 475390.9 | 3746151.6 | 477.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005790 | 0 | 0.83110E-06 | 475390.7 | 3746143.1 | 477.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005791 | 0 | 0.83110E-06 | 475390.6 | 3746134.6 | 477.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005792 | 0 | 0.83110E-06 | 475390.4 | 3746126.1 | 477.4 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005793 | 0 | 0.83110E-06 | 475390.2 | 3746117.6 | 477.5 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005794 | 0 | 0.83110E-06 | 475390.1 | 3746109.1 | 477.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005795 | 0 | 0.83110E-06 | 475389.9 | 3746100.6 | 477.7 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0005796 | 0 | 0.83110E-06 | 475389.8 | 3746092.1 | 477.7 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005797 |     | 0 | 0.83110E-06 | 475389.6 | 3746083.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005798 |     | 0 | 0.83110E-06 | 475389.5 | 3746075.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005799 |     | 0 | 0.83110E-06 | 475389.3 | 3746066.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005800 |     | 0 | 0.83110E-06 | 475389.1 | 3746058.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005801 |     | 0 | 0.83110E-06 | 475389.0 | 3746049.6 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005802 |     | 0 | 0.83110E-06 | 475388.8 | 3746041.1 | 477.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005803 |     | 0 | 0.83110E-06 | 475388.7 | 3746032.6 | 478.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005804 |     | 0 | 0.83110E-06 | 475388.5 | 3746024.1 | 478.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005805 |     | 0 | 0.83110E-06 | 475388.3 | 3746015.6 | 478.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005806 |     | 0 | 0.83110E-06 | 475388.2 | 3746007.1 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005807 |     | 0 | 0.83110E-06 | 475388.0 | 3745998.6 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005808 |     | 0 | 0.83110E-06 | 475387.9 | 3745990.1 | 478.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005809 |     | 0 | 0.28670E-06 | 474811.0 | 3746318.0 | 498.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005810 |     | 0 | 0.28670E-06 | 474811.0 | 3746326.5 | 498.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005811 |     | 0 | 0.28670E-06 | 474811.0 | 3746335.0 | 498.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005812 |     | 0 | 0.28670E-06 | 474814.9 | 3746339.7 | 498.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005813 |     | 0 | 0.28670E-06 | 474823.4 | 3746339.8 | 498.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005814 |     | 0 | 0.28670E-06 | 474831.9 | 3746339.8 | 497.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005815 |     | 0 | 0.28670E-06 | 474840.4 | 3746339.8 | 497.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005816 |     | 0 | 0.28670E-06 | 474848.9 | 3746339.9 | 496.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005817 |     | 0 | 0.28670E-06 | 474857.4 | 3746339.9 | 496.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005818 |     | 0 | 0.28670E-06 | 474865.9 | 3746340.0 | 496.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005819 |     | 0 | 0.28670E-06 | 474874.4 | 3746340.0 | 495.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005820 |     | 0 | 0.28670E-06 | 474882.9 | 3746340.1 | 495.6 | 4.00 | 3.95 |

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1.86 YES  
 L0005821 0 0.28670E-06 474891.4 3746340.1 495.3 4.00 3.95  
 1.86 YES  
 L0005822 0 0.28670E-06 474899.9 3746340.2 495.0 4.00 3.95  
 1.86 YES  
 L0005823 0 0.28670E-06 474908.4 3746340.2 494.7 4.00 3.95  
 1.86 YES  
 L0005824 0 0.28670E-06 474916.9 3746340.2 494.4 4.00 3.95

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 11:10:13

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 ELEV URBAN

\*\*MODELOPTs: RegDEFAULT CONC

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

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

-----  
 L0005825 0 0.28670E-06 474925.4 3746340.3 494.1 4.00 3.95  
 1.86 YES  
 L0005826 0 0.28670E-06 474933.9 3746340.3 493.9 4.00 3.95  
 1.86 YES  
 L0005827 0 0.28670E-06 474942.4 3746340.4 493.6 4.00 3.95  
 1.86 YES  
 L0005828 0 0.28670E-06 474950.9 3746340.4 493.3 4.00 3.95  
 1.86 YES  
 L0005829 0 0.28670E-06 474959.4 3746340.5 493.0 4.00 3.95  
 1.86 YES  
 L0005830 0 0.28670E-06 474967.9 3746340.5 492.5 4.00 3.95  
 1.86 YES  
 L0005831 0 0.28670E-06 474976.4 3746340.6 491.9 4.00 3.95  
 1.86 YES  
 L0005832 0 0.28670E-06 474984.9 3746340.6 491.3 4.00 3.95  
 1.86 YES  
 L0005833 0 0.28670E-06 474993.4 3746340.6 490.9 4.00 3.95  
 1.86 YES  
 L0005834 0 0.28670E-06 475001.9 3746340.7 490.6 4.00 3.95

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005835 |     | 0 | 0.28670E-06 | 475010.4 | 3746340.7 | 490.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005836 |     | 0 | 0.28670E-06 | 475018.9 | 3746340.8 | 490.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005837 |     | 0 | 0.28670E-06 | 475027.4 | 3746340.8 | 489.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005838 |     | 0 | 0.28670E-06 | 475035.9 | 3746340.9 | 489.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005839 |     | 0 | 0.28670E-06 | 475044.4 | 3746340.9 | 489.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005840 |     | 0 | 0.28670E-06 | 475052.9 | 3746341.0 | 488.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005841 |     | 0 | 0.28670E-06 | 475061.4 | 3746341.0 | 488.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005842 |     | 0 | 0.28670E-06 | 475069.9 | 3746341.0 | 488.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005843 |     | 0 | 0.28670E-06 | 475078.4 | 3746341.1 | 488.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005844 |     | 0 | 0.28670E-06 | 475086.9 | 3746341.1 | 487.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005845 |     | 0 | 0.28670E-06 | 475095.4 | 3746341.2 | 487.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005846 |     | 0 | 0.28670E-06 | 475103.9 | 3746341.2 | 487.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005847 |     | 0 | 0.28670E-06 | 475112.4 | 3746341.3 | 486.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005848 |     | 0 | 0.28670E-06 | 475120.9 | 3746341.3 | 486.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005849 |     | 0 | 0.28670E-06 | 475129.4 | 3746341.4 | 485.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005850 |     | 0 | 0.28670E-06 | 475137.9 | 3746341.4 | 485.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005851 |     | 0 | 0.28670E-06 | 475146.4 | 3746341.4 | 484.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005852 |     | 0 | 0.28670E-06 | 475154.9 | 3746341.5 | 484.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005853 |     | 0 | 0.28670E-06 | 475163.4 | 3746341.5 | 484.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005854 |     | 0 | 0.28670E-06 | 475171.9 | 3746341.6 | 483.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005855 |     | 0 | 0.28670E-06 | 475180.4 | 3746341.6 | 483.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005856 |     | 0 | 0.28670E-06 | 475188.9 | 3746341.7 | 483.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005857 |     | 0 | 0.28670E-06 | 475197.4 | 3746341.7 | 483.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005858 |     | 0 | 0.28670E-06 | 475205.9 | 3746341.7 | 482.8 | 4.00 | 3.95 |



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|      |     |          |   |             |          |           |       |      |      |
|------|-----|----------|---|-------------|----------|-----------|-------|------|------|
| 1.86 | YES | L0005859 | 0 | 0.28670E-06 | 475214.4 | 3746341.8 | 482.5 | 4.00 | 3.95 |
| 1.86 | YES | L0005860 | 0 | 0.28670E-06 | 475222.9 | 3746341.8 | 482.2 | 4.00 | 3.95 |
| 1.86 | YES | L0005861 | 0 | 0.28670E-06 | 475231.4 | 3746341.9 | 481.9 | 4.00 | 3.95 |
| 1.86 | YES | L0005862 | 0 | 0.28670E-06 | 475239.9 | 3746341.9 | 481.7 | 4.00 | 3.95 |
| 1.86 | YES | L0005863 | 0 | 0.28670E-06 | 475248.4 | 3746342.0 | 481.4 | 4.00 | 3.95 |
| 1.86 | YES | L0005864 | 0 | 0.28670E-06 | 475256.9 | 3746342.0 | 481.1 | 4.00 | 3.95 |

1.86 YES  
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 View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION | RATE        |          | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------|----------|-------------|----------|----------|----------|----------|----------|
| SOURCE   | SOURCE | EMISSION | PART.    | (GRAMS/SEC) | X        | Y        | ELEV.    | HEIGHT   | SY       |
| SZ       | ID     | SCALAR   | VARY     |             | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY       |             |          |          |          |          |          |

|          |          |             |             |           |           |       |      |      |
|----------|----------|-------------|-------------|-----------|-----------|-------|------|------|
| L0005865 | 0        | 0.28670E-06 | 475265.4    | 3746342.1 | 480.8     | 4.00  | 3.95 |      |
| 1.86 YES | L0005866 | 0           | 0.28670E-06 | 475273.9  | 3746342.1 | 480.5 | 4.00 | 3.95 |
| 1.86 YES | L0005867 | 0           | 0.28670E-06 | 475282.4  | 3746342.1 | 480.2 | 4.00 | 3.95 |
| 1.86 YES | L0005868 | 0           | 0.28670E-06 | 475290.9  | 3746342.2 | 479.9 | 4.00 | 3.95 |
| 1.86 YES | L0005869 | 0           | 0.28670E-06 | 475299.4  | 3746342.2 | 479.3 | 4.00 | 3.95 |
| 1.86 YES | L0005870 | 0           | 0.28670E-06 | 475307.9  | 3746342.3 | 478.8 | 4.00 | 3.95 |
| 1.86 YES | L0005871 | 0           | 0.28670E-06 | 475316.4  | 3746342.3 | 478.2 | 4.00 | 3.95 |
| 1.86 YES | L0005872 | 0           | 0.28670E-06 | 475324.9  | 3746342.4 | 477.7 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005873 |     | 0 | 0.28670E-06 | 475333.4 | 3746342.4 | 477.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005874 |     | 0 | 0.28670E-06 | 475341.9 | 3746342.5 | 476.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005875 |     | 0 | 0.28670E-06 | 475350.4 | 3746342.5 | 476.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005876 |     | 0 | 0.28670E-06 | 475358.9 | 3746342.5 | 476.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005877 |     | 0 | 0.28670E-06 | 475367.4 | 3746342.6 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005878 |     | 0 | 0.28670E-06 | 475375.9 | 3746342.6 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005879 |     | 0 | 0.28670E-06 | 475384.4 | 3746342.7 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005880 |     | 0 | 0.28670E-06 | 475392.9 | 3746342.7 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005881 |     | 0 | 0.28670E-06 | 475401.4 | 3746342.8 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005882 |     | 0 | 0.28670E-06 | 475409.9 | 3746342.8 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005883 |     | 0 | 0.28670E-06 | 475418.4 | 3746342.9 | 475.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005884 |     | 0 | 0.28670E-06 | 475426.9 | 3746342.9 | 475.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005885 |     | 0 | 0.28670E-06 | 475435.4 | 3746342.9 | 475.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005886 |     | 0 | 0.28670E-06 | 475443.9 | 3746343.0 | 474.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005887 |     | 0 | 0.28670E-06 | 475452.4 | 3746343.0 | 474.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005888 |     | 0 | 0.28670E-06 | 475460.9 | 3746343.1 | 474.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005889 |     | 0 | 0.28670E-06 | 475469.4 | 3746343.1 | 474.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005890 |     | 0 | 0.28670E-06 | 475477.9 | 3746343.2 | 474.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005891 |     | 0 | 0.28670E-06 | 475486.4 | 3746343.2 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005892 |     | 0 | 0.28670E-06 | 475494.9 | 3746343.3 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005893 |     | 0 | 0.28670E-06 | 475503.4 | 3746343.3 | 473.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005894 |     | 0 | 0.28670E-06 | 475511.9 | 3746343.3 | 473.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005895 |     | 0 | 0.28670E-06 | 475520.4 | 3746343.4 | 473.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005896 |     | 0 | 0.28670E-06 | 475528.9 | 3746343.4 | 473.0 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005897 |     | 0 | 0.28670E-06 | 475537.4 | 3746343.5 | 472.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005898 |     | 0 | 0.28670E-06 | 475545.9 | 3746343.5 | 472.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005899 |     | 0 | 0.28670E-06 | 475554.4 | 3746343.6 | 472.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005900 |     | 0 | 0.28670E-06 | 475562.9 | 3746343.6 | 472.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005901 |     | 0 | 0.28670E-06 | 475571.4 | 3746343.6 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005902 |     | 0 | 0.28670E-06 | 475579.9 | 3746343.7 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005903 |     | 0 | 0.28670E-06 | 475588.4 | 3746343.7 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005904 |     | 0 | 0.28670E-06 | 475596.9 | 3746343.8 | 471.7 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 11:10:13

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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE        |           | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------|-------------|-------------|-----------|----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | PART.       | (GRAMS/SEC) | X         | Y        | ELEV.    | HEIGHT   | SY       |
| ID       | SOURCE | SCALAR   | VARY        |             | (METERS)  | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY          |             |           |          |          |          |          |
| L0005905 |        | 0        | 0.28670E-06 | 475605.4    | 3746343.8 | 471.4    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005906 |        | 0        | 0.28670E-06 | 475613.9    | 3746343.9 | 471.1    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005907 |        | 0        | 0.28670E-06 | 475622.4    | 3746343.9 | 470.8    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005908 |        | 0        | 0.28670E-06 | 475630.9    | 3746344.0 | 470.6    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005909 |        | 0        | 0.28670E-06 | 475639.4    | 3746344.0 | 470.3    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0005910 |        | 0        | 0.28670E-06 | 475647.9    | 3746344.0 | 470.1    | 4.00     | 3.95     |          |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005911 |     | 0 | 0.28670E-06 | 475656.4 | 3746344.1 | 469.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005912 |     | 0 | 0.28670E-06 | 475664.9 | 3746344.1 | 469.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005913 |     | 0 | 0.28670E-06 | 475673.4 | 3746344.2 | 469.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005914 |     | 0 | 0.28670E-06 | 475681.9 | 3746344.2 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005915 |     | 0 | 0.28670E-06 | 475690.4 | 3746344.3 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005916 |     | 0 | 0.28670E-06 | 475698.9 | 3746344.3 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005917 |     | 0 | 0.28670E-06 | 475707.4 | 3746344.4 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005918 |     | 0 | 0.28670E-06 | 475715.9 | 3746344.4 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005919 |     | 0 | 0.28670E-06 | 475724.4 | 3746344.4 | 468.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005920 |     | 0 | 0.28670E-06 | 475732.9 | 3746344.5 | 468.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005921 |     | 0 | 0.28670E-06 | 475741.4 | 3746344.5 | 468.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005922 |     | 0 | 0.28670E-06 | 475749.9 | 3746344.6 | 468.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005923 |     | 0 | 0.28670E-06 | 475758.4 | 3746344.6 | 468.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005924 |     | 0 | 0.28670E-06 | 475766.9 | 3746344.7 | 468.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005925 |     | 0 | 0.28670E-06 | 475775.4 | 3746344.7 | 467.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005926 |     | 0 | 0.28670E-06 | 475783.9 | 3746344.8 | 467.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005927 |     | 0 | 0.28670E-06 | 475792.4 | 3746344.8 | 467.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005928 |     | 0 | 0.28670E-06 | 475800.9 | 3746344.8 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005929 |     | 0 | 0.28670E-06 | 475809.4 | 3746344.9 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005930 |     | 0 | 0.28670E-06 | 475817.9 | 3746344.9 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005931 |     | 0 | 0.28670E-06 | 475826.4 | 3746345.0 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005932 |     | 0 | 0.28670E-06 | 475834.9 | 3746345.0 | 466.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005933 |     | 0 | 0.28670E-06 | 475843.4 | 3746345.1 | 466.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005934 |     | 0 | 0.28670E-06 | 475851.9 | 3746345.1 | 466.3 | 4.00 | 3.95 |

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|      |     |          |   |             |          |           |       |      |      |
|------|-----|----------|---|-------------|----------|-----------|-------|------|------|
| 1.86 | YES | L0005935 | 0 | 0.28670E-06 | 475860.4 | 3746345.2 | 466.0 | 4.00 | 3.95 |
| 1.86 | YES | L0005936 | 0 | 0.28670E-06 | 475868.9 | 3746345.2 | 466.0 | 4.00 | 3.95 |
| 1.86 | YES | L0005937 | 0 | 0.28670E-06 | 475877.4 | 3746345.2 | 466.0 | 4.00 | 3.95 |
| 1.86 | YES | L0005938 | 0 | 0.28670E-06 | 475885.9 | 3746345.3 | 466.0 | 4.00 | 3.95 |
| 1.86 | YES | L0005939 | 0 | 0.28670E-06 | 475894.4 | 3746345.3 | 465.9 | 4.00 | 3.95 |
| 1.86 | YES | L0005940 | 0 | 0.28690E-06 | 475031.9 | 3746316.9 | 489.6 | 4.00 | 3.95 |
| 1.86 | YES | L0005941 | 0 | 0.28690E-06 | 475031.9 | 3746325.4 | 489.6 | 4.00 | 3.95 |
| 1.86 | YES | L0005942 | 0 | 0.28690E-06 | 475031.9 | 3746333.9 | 489.6 | 4.00 | 3.95 |
| 1.86 | YES | L0005943 | 0 | 0.28690E-06 | 475033.9 | 3746340.4 | 489.5 | 4.00 | 3.95 |
| 1.86 | YES | L0005944 | 0 | 0.28690E-06 | 475042.4 | 3746340.4 | 489.2 | 4.00 | 3.95 |

1.86 YES  
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 \*\*\* AERMET - VERSION 14134 \*\*\*  
 \*\*\* 11:10:13

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\*\*MODELOPTs: RegDFault CONC ELEV URBAN

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

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

|          |     |             |          |             |          |           |       |      |      |
|----------|-----|-------------|----------|-------------|----------|-----------|-------|------|------|
| L0005945 | 0   | 0.28690E-06 | 475050.9 | 3746340.5   | 489.0    | 4.00      | 3.95  |      |      |
| 1.86     | YES | L0005946    | 0        | 0.28690E-06 | 475059.4 | 3746340.6 | 488.7 | 4.00 | 3.95 |
| 1.86     | YES | L0005947    | 0        | 0.28690E-06 | 475067.9 | 3746340.6 | 488.4 | 4.00 | 3.95 |
| 1.86     | YES | L0005948    | 0        | 0.28690E-06 | 475076.4 | 3746340.7 | 488.1 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005949 |     | 0 | 0.28690E-06 | 475084.9 | 3746340.7 | 487.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005950 |     | 0 | 0.28690E-06 | 475093.4 | 3746340.8 | 487.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005951 |     | 0 | 0.28690E-06 | 475101.9 | 3746340.9 | 487.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005952 |     | 0 | 0.28690E-06 | 475110.4 | 3746340.9 | 487.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005953 |     | 0 | 0.28690E-06 | 475118.9 | 3746341.0 | 486.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005954 |     | 0 | 0.28690E-06 | 475127.4 | 3746341.0 | 485.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005955 |     | 0 | 0.28690E-06 | 475135.9 | 3746341.1 | 485.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005956 |     | 0 | 0.28690E-06 | 475144.4 | 3746341.1 | 484.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005957 |     | 0 | 0.28690E-06 | 475152.9 | 3746341.2 | 484.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005958 |     | 0 | 0.28690E-06 | 475161.4 | 3746341.3 | 484.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005959 |     | 0 | 0.28690E-06 | 475169.9 | 3746341.3 | 484.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005960 |     | 0 | 0.28690E-06 | 475178.4 | 3746341.4 | 483.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005961 |     | 0 | 0.28690E-06 | 475186.9 | 3746341.4 | 483.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005962 |     | 0 | 0.28690E-06 | 475195.4 | 3746341.5 | 483.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005963 |     | 0 | 0.28690E-06 | 475203.9 | 3746341.6 | 482.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005964 |     | 0 | 0.28690E-06 | 475212.4 | 3746341.6 | 482.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005965 |     | 0 | 0.28690E-06 | 475220.9 | 3746341.7 | 482.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005966 |     | 0 | 0.28690E-06 | 475229.4 | 3746341.7 | 482.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005967 |     | 0 | 0.28690E-06 | 475237.9 | 3746341.8 | 481.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005968 |     | 0 | 0.28690E-06 | 475246.4 | 3746341.9 | 481.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005969 |     | 0 | 0.28690E-06 | 475254.9 | 3746341.9 | 481.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005970 |     | 0 | 0.28690E-06 | 475263.4 | 3746342.0 | 480.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005971 |     | 0 | 0.28690E-06 | 475271.9 | 3746342.0 | 480.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005972 |     | 0 | 0.28690E-06 | 475280.4 | 3746342.1 | 480.3 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005973 |     | 0 | 0.28690E-06 | 475288.9 | 3746342.1 | 480.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005974 |     | 0 | 0.28690E-06 | 475297.4 | 3746342.2 | 479.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005975 |     | 0 | 0.28690E-06 | 475305.9 | 3746342.3 | 478.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005976 |     | 0 | 0.28690E-06 | 475314.4 | 3746342.3 | 478.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005977 |     | 0 | 0.28690E-06 | 475322.9 | 3746342.4 | 477.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005978 |     | 0 | 0.28690E-06 | 475331.4 | 3746342.4 | 477.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005979 |     | 0 | 0.28690E-06 | 475339.9 | 3746342.5 | 476.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005980 |     | 0 | 0.28690E-06 | 475348.4 | 3746342.6 | 476.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005981 |     | 0 | 0.28690E-06 | 475356.9 | 3746342.6 | 476.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005982 |     | 0 | 0.28690E-06 | 475365.4 | 3746342.7 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005983 |     | 0 | 0.28690E-06 | 475373.9 | 3746342.7 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005984 |     | 0 | 0.28690E-06 | 475382.4 | 3746342.8 | 475.9 | 4.00 | 3.95 |

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

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

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE     |           | BASE     | RELEASE  | INIT.    |
|----------|--------|----------|-------------|----------|-----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | RATE        |          |           | ELEV.    | HEIGHT   | SY       |
| ID       | SOURCE | SCALAR   | VARY        |          | X         | Y        |          |          |
| (METERS) |        | CATS.    | BY          |          | (METERS)  | (METERS) | (METERS) | (METERS) |
| L0005985 |        | 0        | 0.28690E-06 | 475390.9 | 3746342.9 | 475.9    | 4.00     | 3.95     |
| 1.86     | YES    |          |             |          |           |          |          |          |
| L0005986 |        | 0        | 0.28690E-06 | 475399.4 | 3746342.9 | 475.9    | 4.00     | 3.95     |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005987 |     | 0 | 0.28690E-06 | 475407.9 | 3746343.0 | 475.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005988 |     | 0 | 0.28690E-06 | 475416.4 | 3746343.0 | 475.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005989 |     | 0 | 0.28690E-06 | 475424.9 | 3746343.1 | 475.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005990 |     | 0 | 0.28690E-06 | 475433.4 | 3746343.1 | 475.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005991 |     | 0 | 0.28690E-06 | 475441.9 | 3746343.2 | 474.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005992 |     | 0 | 0.28690E-06 | 475450.4 | 3746343.3 | 474.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005993 |     | 0 | 0.28690E-06 | 475458.9 | 3746343.3 | 474.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005994 |     | 0 | 0.28690E-06 | 475467.4 | 3746343.4 | 474.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005995 |     | 0 | 0.28690E-06 | 475475.9 | 3746343.4 | 474.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005996 |     | 0 | 0.28690E-06 | 475484.4 | 3746343.5 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005997 |     | 0 | 0.28690E-06 | 475492.9 | 3746343.6 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005998 |     | 0 | 0.28690E-06 | 475501.4 | 3746343.6 | 473.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0005999 |     | 0 | 0.28690E-06 | 475509.9 | 3746343.7 | 473.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006000 |     | 0 | 0.28690E-06 | 475518.4 | 3746343.7 | 473.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006001 |     | 0 | 0.28690E-06 | 475526.9 | 3746343.8 | 473.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006002 |     | 0 | 0.28690E-06 | 475535.4 | 3746343.8 | 472.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006003 |     | 0 | 0.28690E-06 | 475543.9 | 3746343.9 | 472.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006004 |     | 0 | 0.28690E-06 | 475552.4 | 3746344.0 | 472.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006005 |     | 0 | 0.28690E-06 | 475560.9 | 3746344.0 | 472.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006006 |     | 0 | 0.28690E-06 | 475569.4 | 3746344.1 | 472.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006007 |     | 0 | 0.28690E-06 | 475577.9 | 3746344.1 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006008 |     | 0 | 0.28690E-06 | 475586.4 | 3746344.2 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006009 |     | 0 | 0.28690E-06 | 475594.9 | 3746344.3 | 471.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006010 |     | 0 | 0.28690E-06 | 475603.4 | 3746344.3 | 471.4 | 4.00 | 3.95 |



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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006011 |     | 0 | 0.28690E-06 | 475611.9 | 3746344.4 | 471.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006012 |     | 0 | 0.28690E-06 | 475620.4 | 3746344.4 | 470.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006013 |     | 0 | 0.28690E-06 | 475628.9 | 3746344.5 | 470.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006014 |     | 0 | 0.28690E-06 | 475637.4 | 3746344.6 | 470.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006015 |     | 0 | 0.28690E-06 | 475645.9 | 3746344.6 | 470.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006016 |     | 0 | 0.28690E-06 | 475654.4 | 3746344.7 | 469.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006017 |     | 0 | 0.28690E-06 | 475662.9 | 3746344.7 | 469.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006018 |     | 0 | 0.28690E-06 | 475671.4 | 3746344.8 | 469.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006019 |     | 0 | 0.28690E-06 | 475679.9 | 3746344.8 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006020 |     | 0 | 0.28690E-06 | 475688.4 | 3746344.9 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006021 |     | 0 | 0.28690E-06 | 475696.9 | 3746345.0 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006022 |     | 0 | 0.28690E-06 | 475705.4 | 3746345.0 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006023 |     | 0 | 0.28690E-06 | 475713.9 | 3746345.1 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006024 |     | 0 | 0.28690E-06 | 475722.4 | 3746345.1 | 468.9 | 4.00 | 3.95 |

1.86 YES  
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 View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 11:10:13

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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

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

| INIT.    | URBAN  | NUMBER   | EMISSION | RATE        |          | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------|----------|-------------|----------|----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | PART.    | (GRAMS/SEC) | X        | Y        | ELEV.    | HEIGHT   | SY       |
| ID       |        | SCALAR   | VARY     |             |          |          | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY       |             | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |

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|          |   |             |          |           |       |      |      |
|----------|---|-------------|----------|-----------|-------|------|------|
| L0006025 | 0 | 0.28690E-06 | 475730.9 | 3746345.2 | 468.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006026 | 0 | 0.28690E-06 | 475739.4 | 3746345.3 | 468.8 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006027 | 0 | 0.28690E-06 | 475747.9 | 3746345.3 | 468.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006028 | 0 | 0.28690E-06 | 475756.4 | 3746345.4 | 468.4 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006029 | 0 | 0.28690E-06 | 475764.9 | 3746345.4 | 468.1 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006030 | 0 | 0.28690E-06 | 475773.4 | 3746345.5 | 467.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006031 | 0 | 0.28690E-06 | 475781.9 | 3746345.6 | 467.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006032 | 0 | 0.28690E-06 | 475790.4 | 3746345.6 | 467.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006033 | 0 | 0.28690E-06 | 475798.9 | 3746345.7 | 467.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006034 | 0 | 0.28690E-06 | 475807.4 | 3746345.7 | 467.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006035 | 0 | 0.28690E-06 | 475815.9 | 3746345.8 | 467.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006036 | 0 | 0.28690E-06 | 475824.4 | 3746345.8 | 467.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006037 | 0 | 0.28690E-06 | 475832.9 | 3746345.9 | 466.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006038 | 0 | 0.28690E-06 | 475841.4 | 3746346.0 | 466.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006039 | 0 | 0.28690E-06 | 475849.9 | 3746346.0 | 466.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006040 | 0 | 0.28690E-06 | 475858.4 | 3746346.1 | 466.1 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006041 | 0 | 0.28690E-06 | 475866.9 | 3746346.1 | 466.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006042 | 0 | 0.28690E-06 | 475875.4 | 3746346.2 | 466.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006043 | 0 | 0.28690E-06 | 475883.9 | 3746346.3 | 466.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006044 | 0 | 0.28690E-06 | 475892.4 | 3746346.3 | 465.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006045 | 0 | 0.28690E-06 | 475900.9 | 3746346.4 | 465.6 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006046 | 0 | 0.36350E-06 | 475148.1 | 3746311.6 | 485.4 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006047 | 0 | 0.36350E-06 | 475148.1 | 3746320.1 | 485.2 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006048 | 0 | 0.36350E-06 | 475148.1 | 3746328.6 | 485.0 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006049 |     | 0 | 0.36350E-06 | 475148.1 | 3746337.1 | 484.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006050 |     | 0 | 0.36350E-06 | 475151.7 | 3746342.1 | 484.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006051 |     | 0 | 0.36350E-06 | 475160.2 | 3746342.1 | 484.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006052 |     | 0 | 0.36350E-06 | 475168.7 | 3746342.2 | 484.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006053 |     | 0 | 0.36350E-06 | 475177.2 | 3746342.3 | 483.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006054 |     | 0 | 0.36350E-06 | 475185.7 | 3746342.4 | 483.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006055 |     | 0 | 0.36350E-06 | 475194.2 | 3746342.5 | 483.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006056 |     | 0 | 0.36350E-06 | 475202.7 | 3746342.6 | 482.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006057 |     | 0 | 0.36350E-06 | 475211.2 | 3746342.6 | 482.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006058 |     | 0 | 0.36350E-06 | 475219.7 | 3746342.7 | 482.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006059 |     | 0 | 0.36350E-06 | 475228.2 | 3746342.8 | 482.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006060 |     | 0 | 0.36350E-06 | 475236.7 | 3746342.9 | 481.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006061 |     | 0 | 0.36350E-06 | 475245.2 | 3746343.0 | 481.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006062 |     | 0 | 0.36350E-06 | 475253.7 | 3746343.1 | 481.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006063 |     | 0 | 0.36350E-06 | 475262.2 | 3746343.2 | 480.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006064 |     | 0 | 0.36350E-06 | 475270.7 | 3746343.2 | 480.6 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*  
 \*\*\* 11:10:13

\*\*MODELOPTs: RegDEFAULT CONC PAGE 14  
 ELEV URBAN

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

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

KnoxBPSchool

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

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|          |   |             |          |           |       |      |      |
|----------|---|-------------|----------|-----------|-------|------|------|
| L0006065 | 0 | 0.36350E-06 | 475279.2 | 3746343.3 | 480.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006066 | 0 | 0.36350E-06 | 475287.7 | 3746343.4 | 480.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006067 | 0 | 0.36350E-06 | 475296.2 | 3746343.5 | 479.5 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006068 | 0 | 0.36350E-06 | 475304.7 | 3746343.6 | 479.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006069 | 0 | 0.36350E-06 | 475313.2 | 3746343.7 | 478.4 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006070 | 0 | 0.36350E-06 | 475321.7 | 3746343.8 | 477.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006071 | 0 | 0.36350E-06 | 475330.2 | 3746343.8 | 477.3 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006072 | 0 | 0.36350E-06 | 475338.7 | 3746343.9 | 476.8 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006073 | 0 | 0.36350E-06 | 475347.2 | 3746344.0 | 476.2 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006074 | 0 | 0.36350E-06 | 475355.7 | 3746344.1 | 476.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006075 | 0 | 0.36350E-06 | 475364.2 | 3746344.2 | 475.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006076 | 0 | 0.36350E-06 | 475372.7 | 3746344.3 | 475.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006077 | 0 | 0.36350E-06 | 475381.2 | 3746344.3 | 475.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006078 | 0 | 0.36350E-06 | 475389.7 | 3746344.4 | 475.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006079 | 0 | 0.36350E-06 | 475398.2 | 3746344.5 | 475.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006080 | 0 | 0.36350E-06 | 475406.7 | 3746344.6 | 475.9 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006081 | 0 | 0.36350E-06 | 475415.2 | 3746344.7 | 475.7 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006082 | 0 | 0.36350E-06 | 475423.7 | 3746344.8 | 475.5 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006083 | 0 | 0.36350E-06 | 475432.2 | 3746344.9 | 475.2 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006084 | 0 | 0.36350E-06 | 475440.7 | 3746344.9 | 475.0 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006085 | 0 | 0.36350E-06 | 475449.2 | 3746345.0 | 474.7 | 4.00 | 3.95 |
| 1.86 YES |   |             |          |           |       |      |      |
| L0006086 | 0 | 0.36350E-06 | 475457.7 | 3746345.1 | 474.4 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006087 |     | 0 | 0.36350E-06 | 475466.2 | 3746345.2 | 474.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006088 |     | 0 | 0.36350E-06 | 475474.7 | 3746345.3 | 474.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006089 |     | 0 | 0.36350E-06 | 475483.2 | 3746345.4 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006090 |     | 0 | 0.36350E-06 | 475491.7 | 3746345.4 | 473.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006091 |     | 0 | 0.36350E-06 | 475500.2 | 3746345.5 | 473.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006092 |     | 0 | 0.36350E-06 | 475508.7 | 3746345.6 | 473.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006093 |     | 0 | 0.36350E-06 | 475517.2 | 3746345.7 | 473.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006094 |     | 0 | 0.36350E-06 | 475525.7 | 3746345.8 | 473.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006095 |     | 0 | 0.36350E-06 | 475534.2 | 3746345.9 | 472.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006096 |     | 0 | 0.36350E-06 | 475542.7 | 3746346.0 | 472.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006097 |     | 0 | 0.36350E-06 | 475551.2 | 3746346.0 | 472.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006098 |     | 0 | 0.36350E-06 | 475559.7 | 3746346.1 | 472.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006099 |     | 0 | 0.36350E-06 | 475568.1 | 3746346.2 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006100 |     | 0 | 0.36350E-06 | 475576.6 | 3746346.3 | 471.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006101 |     | 0 | 0.36350E-06 | 475585.1 | 3746346.4 | 471.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006102 |     | 0 | 0.36350E-06 | 475593.6 | 3746346.5 | 471.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006103 |     | 0 | 0.36350E-06 | 475602.1 | 3746346.5 | 471.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006104 |     | 0 | 0.36350E-06 | 475610.6 | 3746346.6 | 471.1 | 4.00 | 3.95 |

1.86 YES  
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 View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 11:10:13

\*\*MODELOPTs: RegDEFAULT CONC PAGE 15  
 ELEV URBAN

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

KnoxBPSchool

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE        |           | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------|-------------|-------------|-----------|----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | RATE        | (GRAMS/SEC) | X         | Y        | ELEV.    | HEIGHT   | SY       |
| (METERS) | ID     | SCALAR   | VARY        |             | (METERS)  | (METERS) | (METERS) | (METERS) | (METERS) |
|          |        | CATS.    | BY          |             |           |          |          |          |          |
| L0006105 |        | 0        | 0.36350E-06 | 475619.1    | 3746346.7 | 470.8    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006106 |        | 0        | 0.36350E-06 | 475627.6    | 3746346.8 | 470.6    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006107 |        | 0        | 0.36350E-06 | 475636.1    | 3746346.9 | 470.4    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006108 |        | 0        | 0.36350E-06 | 475644.6    | 3746347.0 | 470.1    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006109 |        | 0        | 0.36350E-06 | 475653.1    | 3746347.1 | 469.9    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006110 |        | 0        | 0.36350E-06 | 475661.6    | 3746347.1 | 469.6    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006111 |        | 0        | 0.36350E-06 | 475670.1    | 3746347.2 | 469.3    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006112 |        | 0        | 0.36350E-06 | 475678.6    | 3746347.3 | 469.1    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006113 |        | 0        | 0.36350E-06 | 475687.1    | 3746347.4 | 469.0    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006114 |        | 0        | 0.36350E-06 | 475695.6    | 3746347.5 | 469.0    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006115 |        | 0        | 0.36350E-06 | 475704.1    | 3746347.6 | 469.0    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006116 |        | 0        | 0.36350E-06 | 475712.6    | 3746347.7 | 469.0    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006117 |        | 0        | 0.36350E-06 | 475721.1    | 3746347.7 | 468.9    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006118 |        | 0        | 0.36350E-06 | 475729.6    | 3746347.8 | 468.8    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006119 |        | 0        | 0.36350E-06 | 475738.1    | 3746347.9 | 468.8    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006120 |        | 0        | 0.36350E-06 | 475746.6    | 3746348.0 | 468.6    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006121 |        | 0        | 0.36350E-06 | 475755.1    | 3746348.1 | 468.4    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006122 |        | 0        | 0.36350E-06 | 475763.6    | 3746348.2 | 468.2    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006123 |        | 0        | 0.36350E-06 | 475772.1    | 3746348.2 | 467.9    | 4.00     | 3.95     |          |
| 1.86     | YES    |          |             |             |           |          |          |          |          |
| L0006124 |        | 0        | 0.36350E-06 | 475780.6    | 3746348.3 | 467.7    | 4.00     | 3.95     |          |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006125 |     | 0 | 0.36350E-06 | 475789.1 | 3746348.4 | 467.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006126 |     | 0 | 0.36350E-06 | 475797.6 | 3746348.5 | 467.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006127 |     | 0 | 0.36350E-06 | 475806.1 | 3746348.6 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006128 |     | 0 | 0.36350E-06 | 475814.6 | 3746348.7 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006129 |     | 0 | 0.36350E-06 | 475823.1 | 3746348.8 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006130 |     | 0 | 0.36350E-06 | 475831.6 | 3746348.8 | 466.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006131 |     | 0 | 0.36350E-06 | 475840.1 | 3746348.9 | 466.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006132 |     | 0 | 0.36350E-06 | 475848.6 | 3746349.0 | 466.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006133 |     | 0 | 0.36350E-06 | 475857.1 | 3746349.1 | 466.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006134 |     | 0 | 0.36350E-06 | 475865.6 | 3746349.2 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006135 |     | 0 | 0.36350E-06 | 475874.1 | 3746349.3 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006136 |     | 0 | 0.36350E-06 | 475882.6 | 3746349.3 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006137 |     | 0 | 0.36350E-06 | 475891.1 | 3746349.4 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006138 |     | 0 | 0.36350E-06 | 475899.6 | 3746349.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006139 |     | 0 | 0.36400E-06 | 475441.0 | 3746308.3 | 475.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006140 |     | 0 | 0.36400E-06 | 475441.0 | 3746316.8 | 475.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006141 |     | 0 | 0.36400E-06 | 475441.0 | 3746325.3 | 475.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006142 |     | 0 | 0.36400E-06 | 475441.0 | 3746333.8 | 475.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006143 |     | 0 | 0.36400E-06 | 475441.0 | 3746342.3 | 475.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006144 |     | 0 | 0.36400E-06 | 475446.7 | 3746345.2 | 474.8 | 4.00 | 3.95 |

1.86 YES  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 11:10:13

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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

KnoxBPSchool

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

| INIT.    | URBAN  | NUMBER EMISSION RATE | EMISSION RATE |           | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------------------|---------------|-----------|----------|----------|----------|----------|
| SOURCE   | SOURCE | EMISSION RATE        | (GRAMS/SEC)   | X         | Y        | ELEV.    | HEIGHT   | SY       |
| SZ       | SCALAR | VARY                 |               | (METERS)  | (METERS) | (METERS) | (METERS) | (METERS) |
| ID       | CATS.  | BY                   |               |           |          |          |          |          |
| (METERS) |        |                      |               |           |          |          |          |          |
| L0006145 | 0      | 0.36400E-06          | 475455.2      | 3746345.4 | 474.5    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006146 | 0      | 0.36400E-06          | 475463.7      | 3746345.5 | 474.2    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006147 | 0      | 0.36400E-06          | 475472.2      | 3746345.7 | 474.0    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006148 | 0      | 0.36400E-06          | 475480.7      | 3746345.9 | 473.9    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006149 | 0      | 0.36400E-06          | 475489.2      | 3746346.0 | 473.9    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006150 | 0      | 0.36400E-06          | 475497.7      | 3746346.2 | 473.8    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006151 | 0      | 0.36400E-06          | 475506.2      | 3746346.3 | 473.6    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006152 | 0      | 0.36400E-06          | 475514.7      | 3746346.5 | 473.4    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006153 | 0      | 0.36400E-06          | 475523.2      | 3746346.7 | 473.2    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006154 | 0      | 0.36400E-06          | 475531.7      | 3746346.8 | 472.9    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006155 | 0      | 0.36400E-06          | 475540.2      | 3746347.0 | 472.7    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006156 | 0      | 0.36400E-06          | 475548.7      | 3746347.2 | 472.4    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006157 | 0      | 0.36400E-06          | 475557.2      | 3746347.3 | 472.1    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006158 | 0      | 0.36400E-06          | 475565.7      | 3746347.5 | 471.9    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006159 | 0      | 0.36400E-06          | 475574.2      | 3746347.6 | 471.9    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006160 | 0      | 0.36400E-06          | 475582.7      | 3746347.8 | 471.8    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006161 | 0      | 0.36400E-06          | 475591.2      | 3746348.0 | 471.7    | 4.00     | 3.95     |          |
| 1.86 YES |        |                      |               |           |          |          |          |          |
| L0006162 | 0      | 0.36400E-06          | 475599.7      | 3746348.1 | 471.4    | 4.00     | 3.95     |          |



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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006163 |     | 0 | 0.36400E-06 | 475608.2 | 3746348.3 | 471.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006164 |     | 0 | 0.36400E-06 | 475616.7 | 3746348.4 | 470.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006165 |     | 0 | 0.36400E-06 | 475625.2 | 3746348.6 | 470.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006166 |     | 0 | 0.36400E-06 | 475633.7 | 3746348.8 | 470.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006167 |     | 0 | 0.36400E-06 | 475642.2 | 3746348.9 | 470.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006168 |     | 0 | 0.36400E-06 | 475650.7 | 3746349.1 | 470.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006169 |     | 0 | 0.36400E-06 | 475659.2 | 3746349.3 | 469.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006170 |     | 0 | 0.36400E-06 | 475667.7 | 3746349.4 | 469.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006171 |     | 0 | 0.36400E-06 | 475676.2 | 3746349.6 | 469.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006172 |     | 0 | 0.36400E-06 | 475684.7 | 3746349.7 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006173 |     | 0 | 0.36400E-06 | 475693.2 | 3746349.9 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006174 |     | 0 | 0.36400E-06 | 475701.7 | 3746350.1 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006175 |     | 0 | 0.36400E-06 | 475710.2 | 3746350.2 | 469.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006176 |     | 0 | 0.36400E-06 | 475718.7 | 3746350.4 | 468.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006177 |     | 0 | 0.36400E-06 | 475727.1 | 3746350.5 | 468.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006178 |     | 0 | 0.36400E-06 | 475735.6 | 3746350.7 | 468.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006179 |     | 0 | 0.36400E-06 | 475744.1 | 3746350.9 | 468.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006180 |     | 0 | 0.36400E-06 | 475752.6 | 3746351.0 | 468.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006181 |     | 0 | 0.36400E-06 | 475761.1 | 3746351.2 | 468.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006182 |     | 0 | 0.36400E-06 | 475769.6 | 3746351.4 | 468.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006183 |     | 0 | 0.36400E-06 | 475778.1 | 3746351.5 | 467.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006184 |     | 0 | 0.36400E-06 | 475786.6 | 3746351.7 | 467.4 | 4.00 | 3.95 |

1.86 YES  
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 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*

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\*\*MODELOPTs: RegDEFAULT CONC

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

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE |          | BASE      | RELEASE  | INIT.    |
|----------|--------|----------|-------------|------|----------|-----------|----------|----------|
| SZ       | SOURCE | EMISSION | RATE        |      |          | ELEV.     | HEIGHT   | SY       |
| ID       | SOURCE | SCALAR   | VARY        |      | X        | Y         |          |          |
| (METERS) |        | CATS.    | BY          |      | (METERS) | (METERS)  | (METERS) | (METERS) |
| L0006185 |        | 0        | 0.36400E-06 |      | 475795.1 | 3746351.8 | 467.2    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0006186 |        | 0        | 0.36400E-06 |      | 475803.6 | 3746352.0 | 467.0    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0006187 |        | 0        | 0.36400E-06 |      | 475812.1 | 3746352.2 | 467.0    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0006188 |        | 0        | 0.36400E-06 |      | 475820.6 | 3746352.3 | 467.0    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0006189 |        | 0        | 0.36400E-06 |      | 475829.1 | 3746352.5 | 467.0    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0006190 |        | 0        | 0.36400E-06 |      | 475837.6 | 3746352.6 | 466.8    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0006191 |        | 0        | 0.36400E-06 |      | 475846.1 | 3746352.8 | 466.5    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0006192 |        | 0        | 0.36400E-06 |      | 475854.6 | 3746353.0 | 466.2    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0006193 |        | 0        | 0.36400E-06 |      | 475863.1 | 3746353.1 | 466.0    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0006194 |        | 0        | 0.36400E-06 |      | 475871.6 | 3746353.3 | 466.0    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0006195 |        | 0        | 0.36400E-06 |      | 475880.1 | 3746353.5 | 466.0    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0006196 |        | 0        | 0.36400E-06 |      | 475888.6 | 3746353.6 | 466.0    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0006197 |        | 0        | 0.36400E-06 |      | 475897.1 | 3746353.8 | 465.8    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0006198 |        | 0        | 0.36400E-06 |      | 475905.6 | 3746353.9 | 465.5    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0006199 |        | 0        | 0.64820E-07 |      | 475900.4 | 3746344.5 | 465.7    | 3.95     |
| 1.86     | YES    |          |             |      |          |           |          |          |
| L0006200 |        | 0        | 0.64820E-07 |      | 475900.3 | 3746336.0 | 465.7    | 3.95     |

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|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006201 |     | 0 | 0.64820E-07 | 475900.2 | 3746327.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006202 |     | 0 | 0.64820E-07 | 475900.1 | 3746319.0 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006203 |     | 0 | 0.64820E-07 | 475899.9 | 3746310.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006204 |     | 0 | 0.64820E-07 | 475899.8 | 3746302.0 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006205 |     | 0 | 0.64820E-07 | 475899.7 | 3746293.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006206 |     | 0 | 0.64820E-07 | 475899.6 | 3746285.0 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006207 |     | 0 | 0.64820E-07 | 475899.5 | 3746276.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006208 |     | 0 | 0.64820E-07 | 475899.3 | 3746268.0 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006209 |     | 0 | 0.64820E-07 | 475899.2 | 3746259.5 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006210 |     | 0 | 0.64820E-07 | 475899.1 | 3746251.0 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006211 |     | 0 | 0.64820E-07 | 475899.0 | 3746242.5 | 465.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006212 |     | 0 | 0.64820E-07 | 475898.8 | 3746234.0 | 465.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006213 |     | 0 | 0.64820E-07 | 475898.7 | 3746225.5 | 465.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006214 |     | 0 | 0.64820E-07 | 475898.6 | 3746217.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006215 |     | 0 | 0.64820E-07 | 475898.5 | 3746208.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006216 |     | 0 | 0.64820E-07 | 475898.4 | 3746200.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006217 |     | 0 | 0.64820E-07 | 475898.2 | 3746191.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006218 |     | 0 | 0.64820E-07 | 475898.1 | 3746183.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006219 |     | 0 | 0.64820E-07 | 475898.0 | 3746174.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006220 |     | 0 | 0.64820E-07 | 475897.9 | 3746166.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006221 |     | 0 | 0.64820E-07 | 475897.7 | 3746157.5 | 466.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006222 |     | 0 | 0.64820E-07 | 475897.6 | 3746149.0 | 466.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006223 |     | 0 | 0.64820E-07 | 475897.5 | 3746140.5 | 466.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006224 |     | 0 | 0.64820E-07 | 475897.4 | 3746132.0 | 466.7 | 4.00 | 3.95 |

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1.86 YES

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\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
\*\*\* 11:10:13

PAGE 18  
ELEV URBAN

\*\*MODELOPTs: RegDFAULT CONC

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

| INIT.    | URBAN       | NUMBER EMISSION RATE | BASE     | RELEASE   | INIT.    |      |      |
|----------|-------------|----------------------|----------|-----------|----------|------|------|
| SZ       | SOURCE      | EMISSION RATE        | ELEV.    | HEIGHT    | SY       |      |      |
| ID       | SOURCE      | PART. (GRAMS/SEC)    | (METERS) | (METERS)  | (METERS) |      |      |
| (METERS) | SCALAR VARY | X Y                  | (METERS) | (METERS)  | (METERS) |      |      |
|          | CATS.       | (METERS) (METERS)    | (METERS) | (METERS)  | (METERS) |      |      |
|          | BY          |                      |          |           |          |      |      |
| L0006225 | 0           | 0.64820E-07          | 475897.3 | 3746123.5 | 466.8    | 4.00 | 3.95 |
| 1.86 YES |             |                      |          |           |          |      |      |
| L0006226 | 0           | 0.64820E-07          | 475897.1 | 3746115.0 | 466.8    | 4.00 | 3.95 |
| 1.86 YES |             |                      |          |           |          |      |      |
| L0006227 | 0           | 0.64820E-07          | 475897.0 | 3746106.5 | 466.8    | 4.00 | 3.95 |
| 1.86 YES |             |                      |          |           |          |      |      |
| L0006228 | 0           | 0.64820E-07          | 475896.9 | 3746098.0 | 466.8    | 4.00 | 3.95 |
| 1.86 YES |             |                      |          |           |          |      |      |
| L0006229 | 0           | 0.64820E-07          | 475896.8 | 3746089.5 | 466.9    | 4.00 | 3.95 |
| 1.86 YES |             |                      |          |           |          |      |      |
| L0006230 | 0           | 0.64820E-07          | 475896.6 | 3746081.0 | 466.9    | 4.00 | 3.95 |
| 1.86 YES |             |                      |          |           |          |      |      |
| L0006231 | 0           | 0.64820E-07          | 475896.5 | 3746072.5 | 467.0    | 4.00 | 3.95 |
| 1.86 YES |             |                      |          |           |          |      |      |
| L0006232 | 0           | 0.64820E-07          | 475896.4 | 3746064.0 | 467.0    | 4.00 | 3.95 |
| 1.86 YES |             |                      |          |           |          |      |      |
| L0006233 | 0           | 0.64820E-07          | 475896.3 | 3746055.5 | 467.0    | 4.00 | 3.95 |
| 1.86 YES |             |                      |          |           |          |      |      |
| L0006234 | 0           | 0.64820E-07          | 475896.2 | 3746047.0 | 467.0    | 4.00 | 3.95 |
| 1.86 YES |             |                      |          |           |          |      |      |
| L0006235 | 0           | 0.64820E-07          | 475896.0 | 3746038.5 | 467.0    | 4.00 | 3.95 |
| 1.86 YES |             |                      |          |           |          |      |      |
| L0006236 | 0           | 0.64820E-07          | 475895.9 | 3746030.0 | 467.0    | 4.00 | 3.95 |
| 1.86 YES |             |                      |          |           |          |      |      |
| L0006237 | 0           | 0.64820E-07          | 475895.8 | 3746021.5 | 467.0    | 4.00 | 3.95 |
| 1.86 YES |             |                      |          |           |          |      |      |
| L0006238 | 0           | 0.64820E-07          | 475895.7 | 3746013.0 | 467.0    | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006239 |     | 0 | 0.64820E-07 | 475895.5 | 3746004.5 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006240 |     | 0 | 0.64820E-07 | 475895.4 | 3745996.0 | 466.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006241 |     | 0 | 0.64820E-07 | 475895.3 | 3745987.5 | 466.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006242 |     | 0 | 0.64820E-07 | 475895.2 | 3745979.0 | 466.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006243 |     | 0 | 0.64820E-07 | 475895.1 | 3745970.5 | 466.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006244 |     | 0 | 0.64820E-07 | 475894.9 | 3745962.0 | 466.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006245 |     | 0 | 0.64820E-07 | 475894.8 | 3745953.5 | 466.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006246 |     | 0 | 0.64820E-07 | 475894.7 | 3745945.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006247 |     | 0 | 0.64820E-07 | 475894.6 | 3745936.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006248 |     | 0 | 0.64820E-07 | 475894.4 | 3745928.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006249 |     | 0 | 0.64820E-07 | 475894.3 | 3745919.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006250 |     | 0 | 0.64820E-07 | 475894.2 | 3745911.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006251 |     | 0 | 0.64820E-07 | 475894.1 | 3745902.5 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006252 |     | 0 | 0.64820E-07 | 475894.0 | 3745894.0 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006253 |     | 0 | 0.64820E-07 | 475893.8 | 3745885.6 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006254 |     | 0 | 0.64820E-07 | 475893.7 | 3745877.1 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006255 |     | 0 | 0.12410E-05 | 475898.2 | 3746354.1 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006256 |     | 0 | 0.12410E-05 | 475897.9 | 3746362.6 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006257 |     | 0 | 0.12410E-05 | 475897.7 | 3746371.1 | 465.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006258 |     | 0 | 0.12410E-05 | 475897.4 | 3746379.6 | 465.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006259 |     | 0 | 0.12410E-05 | 475896.4 | 3746388.0 | 465.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006260 |     | 0 | 0.12410E-05 | 475894.0 | 3746396.1 | 465.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006261 |     | 0 | 0.12410E-05 | 475891.6 | 3746404.3 | 465.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006262 |     | 0 | 0.12410E-05 | 475889.2 | 3746412.5 | 466.0 | 4.00 | 3.95 |

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1.86 YES  
L0006263 0 0.12410E-05 475886.8 3746420.6 466.0 4.00 3.95

1.86 YES  
L0006264 0 0.12410E-05 475884.4 3746428.8 466.0 4.00 3.95

1.86 YES

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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

|          |          |             |             |           |           |       |      |      |
|----------|----------|-------------|-------------|-----------|-----------|-------|------|------|
| L0006265 | 0        | 0.12410E-05 | 475880.6    | 3746436.4 | 465.9     | 4.00  | 3.95 |      |
| 1.86 YES | L0006266 | 0           | 0.12410E-05 | 475876.5  | 3746443.8 | 465.8 | 4.00 | 3.95 |
| 1.86 YES | L0006267 | 0           | 0.12410E-05 | 475872.4  | 3746451.2 | 465.7 | 4.00 | 3.95 |
| 1.86 YES | L0006268 | 0           | 0.12410E-05 | 475868.3  | 3746458.7 | 465.7 | 4.00 | 3.95 |
| 1.86 YES | L0006269 | 0           | 0.12410E-05 | 475864.2  | 3746466.1 | 465.7 | 4.00 | 3.95 |
| 1.86 YES | L0006270 | 0           | 0.12410E-05 | 475860.1  | 3746473.6 | 465.5 | 4.00 | 3.95 |
| 1.86 YES | L0006271 | 0           | 0.12410E-05 | 475855.5  | 3746480.6 | 465.5 | 4.00 | 3.95 |
| 1.86 YES | L0006272 | 0           | 0.12410E-05 | 475849.8  | 3746486.9 | 465.4 | 4.00 | 3.95 |
| 1.86 YES | L0006273 | 0           | 0.12410E-05 | 475844.0  | 3746493.2 | 465.5 | 4.00 | 3.95 |
| 1.86 YES | L0006274 | 0           | 0.12410E-05 | 475838.3  | 3746499.5 | 465.7 | 4.00 | 3.95 |
| 1.86 YES | L0006275 | 0           | 0.12410E-05 | 475832.3  | 3746505.5 | 465.9 | 4.00 | 3.95 |
| 1.86 YES | L0006276 | 0           | 0.12410E-05 | 475826.1  | 3746511.3 | 466.0 | 4.00 | 3.95 |

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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006277 |     | 0 | 0.12410E-05 | 475819.9 | 3746517.1 | 466.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006278 |     | 0 | 0.12410E-05 | 475813.7 | 3746522.9 | 466.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006279 |     | 0 | 0.12410E-05 | 475807.5 | 3746528.7 | 466.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006280 |     | 0 | 0.12410E-05 | 475801.3 | 3746534.5 | 466.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006281 |     | 0 | 0.12410E-05 | 475795.1 | 3746540.3 | 466.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006282 |     | 0 | 0.12410E-05 | 475788.9 | 3746546.2 | 466.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006283 |     | 0 | 0.12410E-05 | 475782.7 | 3746552.0 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006284 |     | 0 | 0.12410E-05 | 475776.5 | 3746557.8 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006285 |     | 0 | 0.12410E-05 | 475770.9 | 3746564.2 | 467.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006286 |     | 0 | 0.12410E-05 | 475766.0 | 3746571.1 | 467.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006287 |     | 0 | 0.12410E-05 | 475761.1 | 3746578.0 | 467.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006288 |     | 0 | 0.12410E-05 | 475756.2 | 3746585.0 | 467.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006289 |     | 0 | 0.12410E-05 | 475751.7 | 3746592.2 | 467.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006290 |     | 0 | 0.12410E-05 | 475747.3 | 3746599.5 | 467.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006291 |     | 0 | 0.12410E-05 | 475743.6 | 3746607.1 | 467.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006292 |     | 0 | 0.12410E-05 | 475739.9 | 3746614.8 | 468.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006293 |     | 0 | 0.12410E-05 | 475736.1 | 3746622.4 | 468.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006294 |     | 0 | 0.12410E-05 | 475733.3 | 3746630.4 | 468.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006295 |     | 0 | 0.12410E-05 | 475730.7 | 3746638.5 | 468.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006296 |     | 0 | 0.12410E-05 | 475728.4 | 3746646.7 | 468.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006297 |     | 0 | 0.12410E-05 | 475726.2 | 3746654.9 | 468.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006298 |     | 0 | 0.12410E-05 | 475724.2 | 3746663.1 | 467.8 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006299 |     | 0 | 0.12410E-05 | 475723.0 | 3746671.5 | 467.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006300 |     | 0 | 0.12410E-05 | 475722.0 | 3746680.0 | 467.4 | 4.00 | 3.95 |

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1.86 YES  
 L0006301 0 0.12410E-05 475721.3 3746688.5 467.2 4.00 3.95  
 1.86 YES  
 L0006302 0 0.12410E-05 475721.1 3746697.0 467.1 4.00 3.95  
 1.86 YES  
 L0006303 0 0.12410E-05 475720.8 3746705.4 466.8 4.00 3.95  
 1.86 YES  
 L0006304 0 0.12410E-05 475720.9 3746713.9 466.5 4.00 3.95

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

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

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

L0006305 0 0.12410E-05 475721.1 3746722.4 466.2 4.00 3.95  
 1.86 YES  
 L0006306 0 0.12410E-05 475720.8 3746730.9 466.0 4.00 3.95  
 1.86 YES  
 L0006307 0 0.12410E-05 475720.6 3746739.4 466.0 4.00 3.95  
 1.86 YES  
 L0006308 0 0.12410E-05 475720.6 3746747.7 466.0 4.00 3.95  
 1.86 YES  
 L0006309 0 0.12410E-05 475729.0 3746748.1 466.0 4.00 3.95  
 1.86 YES  
 L0006310 0 0.12410E-05 475737.5 3746748.4 466.0 4.00 3.95  
 1.86 YES  
 L0006311 0 0.12410E-05 475746.0 3746748.8 466.0 4.00 3.95  
 1.86 YES  
 L0006312 0 0.12410E-05 475754.5 3746749.1 466.0 4.00 3.95  
 1.86 YES  
 L0006313 0 0.12410E-05 475763.0 3746749.2 466.0 4.00 3.95  
 1.86 YES  
 L0006314 0 0.12410E-05 475771.5 3746749.0 465.9 4.00 3.95



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|          |     |   |             |          |           |       |      |      |
|----------|-----|---|-------------|----------|-----------|-------|------|------|
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006315 |     | 0 | 0.12410E-05 | 475780.0 | 3746748.8 | 465.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006316 |     | 0 | 0.12410E-05 | 475788.5 | 3746748.5 | 465.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006317 |     | 0 | 0.12410E-05 | 475797.0 | 3746748.4 | 464.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006318 |     | 0 | 0.12410E-05 | 475805.5 | 3746748.5 | 464.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006319 |     | 0 | 0.12410E-05 | 475814.0 | 3746748.6 | 463.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006320 |     | 0 | 0.12410E-05 | 475822.5 | 3746748.8 | 463.6 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006321 |     | 0 | 0.12410E-05 | 475831.0 | 3746748.9 | 463.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006322 |     | 0 | 0.12410E-05 | 475839.5 | 3746749.0 | 463.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006323 |     | 0 | 0.12410E-05 | 475848.0 | 3746749.1 | 463.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006324 |     | 0 | 0.12410E-05 | 475856.5 | 3746749.2 | 463.4 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006325 |     | 0 | 0.12410E-05 | 475865.0 | 3746749.3 | 463.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006326 |     | 0 | 0.12410E-05 | 475873.5 | 3746749.4 | 463.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006327 |     | 0 | 0.12410E-05 | 475882.0 | 3746749.6 | 463.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006328 |     | 0 | 0.12410E-05 | 475890.5 | 3746749.7 | 463.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006329 |     | 0 | 0.12410E-05 | 475899.0 | 3746749.8 | 463.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006330 |     | 0 | 0.12410E-05 | 475907.5 | 3746749.9 | 463.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006331 |     | 0 | 0.12410E-05 | 475916.0 | 3746750.0 | 463.0 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006332 |     | 0 | 0.12410E-05 | 475924.5 | 3746750.1 | 462.9 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006333 |     | 0 | 0.12410E-05 | 475933.0 | 3746750.2 | 462.7 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006334 |     | 0 | 0.12410E-05 | 475941.5 | 3746750.4 | 462.5 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006335 |     | 0 | 0.12410E-05 | 475950.0 | 3746750.5 | 462.3 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006336 |     | 0 | 0.12410E-05 | 475958.5 | 3746750.6 | 462.2 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006337 |     | 0 | 0.12410E-05 | 475967.0 | 3746750.7 | 462.1 | 4.00 | 3.95 |
| 1.86     | YES |   |             |          |           |       |      |      |
| L0006338 |     | 0 | 0.12410E-05 | 475975.5 | 3746750.8 | 462.1 | 4.00 | 3.95 |

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|      |     |          |   |             |          |           |       |      |      |
|------|-----|----------|---|-------------|----------|-----------|-------|------|------|
| 1.86 | YES | L0006339 | 0 | 0.12410E-05 | 475984.0 | 3746750.9 | 462.0 | 4.00 | 3.95 |
| 1.86 | YES | L0006340 | 0 | 0.12410E-05 | 475992.5 | 3746751.1 | 462.0 | 4.00 | 3.95 |
| 1.86 | YES | L0006341 | 0 | 0.12410E-05 | 476001.0 | 3746751.2 | 462.0 | 4.00 | 3.95 |
| 1.86 | YES | L0006342 | 0 | 0.12410E-05 | 476009.5 | 3746751.3 | 462.0 | 4.00 | 3.95 |
| 1.86 | YES | L0006343 | 0 | 0.12410E-05 | 476018.0 | 3746751.4 | 461.7 | 4.00 | 3.95 |
| 1.86 | YES | L0006344 | 0 | 0.12410E-05 | 476026.5 | 3746751.5 | 461.4 | 4.00 | 3.95 |

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

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

| INIT.    | URBAN  | NUMBER   | EMISSION | RATE        |          | BASE     | RELEASE  | INIT.    |          |
|----------|--------|----------|----------|-------------|----------|----------|----------|----------|----------|
| SOURCE   | SOURCE | EMISSION | PART.    | (GRAMS/SEC) | X        | Y        | ELEV.    | HEIGHT   | SY       |
| SZ       | ID     | SCALAR   | VARY     |             | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY       |             |          |          |          |          |          |

|          |          |             |             |           |           |       |      |      |
|----------|----------|-------------|-------------|-----------|-----------|-------|------|------|
| L0006345 | 0        | 0.12410E-05 | 476035.0    | 3746751.6 | 461.2     | 4.00  | 3.95 |      |
| 1.86 YES | L0006346 | 0           | 0.12410E-05 | 476043.5  | 3746751.7 | 461.0 | 4.00 | 3.95 |
| 1.86 YES | L0006347 | 0           | 0.12410E-05 | 476052.0  | 3746751.9 | 461.0 | 4.00 | 3.95 |
| 1.86 YES | L0006348 | 0           | 0.12410E-05 | 476060.5  | 3746752.0 | 461.0 | 4.00 | 3.95 |
| 1.86 YES | L0006349 | 0           | 0.12410E-05 | 476069.0  | 3746752.1 | 461.0 | 4.00 | 3.95 |
| 1.86 YES | L0006350 | 0           | 0.12410E-05 | 476077.5  | 3746752.2 | 460.8 | 4.00 | 3.95 |
| 1.86 YES | L0006351 | 0           | 0.12410E-05 | 476086.0  | 3746752.3 | 460.5 | 4.00 | 3.95 |
| 1.86 YES | L0006352 | 0           | 0.12410E-05 | 476094.5  | 3746752.4 | 460.2 | 4.00 | 3.95 |

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1.86 YES  
 L0006353 0 0.12410E-05 476103.0 3746752.5 460.0 4.00 3.95

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

\*\*\* AREA SOURCE DATA \*\*\*

| Y-DIM                               | ORIENT.                             | NUMBER<br>INIT.                            | EMISSION RATE<br>URBAN        | COORD (SW CORNER)<br>EMISSION RATE | BASE<br>ELEV. | RELEASE<br>HEIGHT | X-DIM<br>OF AREA |
|-------------------------------------|-------------------------------------|--|-------------------------------|------------------------------------|---------------|-------------------|------------------|
| SOURCE<br>OF AREA<br>ID<br>(METERS) | PART.<br>OF AREA<br>CATS.<br>(DEG.) | (GRAMS/SEC<br>SZ<br>/METER**2)<br>(METERS) | SCALAR VARY<br>(METERS)<br>BY | (METERS)<br>(METERS)               | (METERS)      | (METERS)          | (METERS)         |

|        |      |             |          |           |       |      |       |
|--------|------|-------------|----------|-----------|-------|------|-------|
| AREA1  | 0    | 0.44800E-08 | 475113.7 | 3745988.1 | 487.4 | 3.90 | 59.08 |
| 255.83 | 0.34 | 1.80        | YES      |           |       |      |       |
| AREA2  | 0    | 0.33429E-08 | 475380.9 | 3745968.9 | 478.6 | 3.90 | 75.77 |
| 267.30 | 0.26 | 1.80        | YES      |           |       |      |       |

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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* AREAPOLY SOURCE DATA \*\*\*

| INIT.                          | URBAN                    | NUMBER<br>EMISSION RATE                       | LOCATION OF AREA     | BASE<br>ELEV. | RELEASE<br>HEIGHT | NUMBER<br>OF VERTS. |
|--------------------------------|--------------------------|---|----------------------|---------------|-------------------|---------------------|
| SOURCE<br>SZ<br>ID<br>(METERS) | PART.<br>SOURCE<br>CATS. | (GRAMS/SEC<br>SCALAR VARY<br>/METER**2)<br>BY | (METERS)<br>(METERS) | (METERS)      | (METERS)          | (METERS)            |

|        |   |             |          |           |       |      |   |
|--------|---|-------------|----------|-----------|-------|------|---|
| PAREA1 | 0 | 0.35280E-08 | 474745.4 | 3746238.0 | 502.5 | 3.90 | 9 |
|--------|---|-------------|----------|-----------|-------|------|---|

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1.80 YES  
PAREA2 0 0.50784E-08 475006.4 3746235.2 490.4 3.90 9

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

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

| SRCGROUP ID | SOURCE IDs   |
|-------------|--|
| -----       | -----  |
| ALL         | L0005585 , L0005586 , L0005587 , L0005588 , L0005589 , |
| L0005590    | , L0005591 , L0005592 ,                                |
| L0005598    | L0005593 , L0005594 , L0005595 , L0005596 , L0005597 , |
|             | , L0005599 , L0005600 ,                                |
| L0005606    | L0005601 , L0005602 , L0005603 , L0005604 , L0005605 , |
|             | , L0005607 , L0005608 ,                                |
| L0005614    | L0005609 , L0005610 , L0005611 , L0005612 , L0005613 , |
|             | , L0005615 , L0005616 ,                                |
| L0005622    | L0005617 , L0005618 , L0005619 , L0005620 , L0005621 , |
|             | , L0005623 , L0005624 ,                                |
| L0005630    | L0005625 , L0005626 , L0005627 , L0005628 , L0005629 , |
|             | , L0005631 , L0005632 ,                                |
| L0005638    | L0005633 , L0005634 , L0005635 , L0005636 , L0005637 , |
|             | , L0005639 , L0005640 ,                                |
| L0005646    | L0005641 , L0005642 , L0005643 , L0005644 , L0005645 , |
|             | , L0005647 , L0005648 ,                                |
| L0005654    | L0005649 , L0005650 , L0005651 , L0005652 , L0005653 , |
|             | , L0005655 , L0005656 ,                                |
| L0005662    | L0005657 , L0005658 , L0005659 , L0005660 , L0005661 , |
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KnoxBPSchool

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, L0005703      , L0005704      ,

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, L0005711      , L0005712      ,

L0005718      L0005713      , L0005714      , L0005715      , L0005716      , L0005717      ,
, L0005719      , L0005720      ,

L0005726      L0005721      , L0005722      , L0005723      , L0005724      , L0005725      ,
, L0005727      , L0005728      ,

L0005734      L0005729      , L0005730      , L0005731      , L0005732      , L0005733      ,
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L0005742      L0005737      , L0005738      , L0005739      , L0005740      , L0005741      ,
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♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD
View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc *** 09/25/15
*** AERMET - VERSION 14134 ***
*** 11:10:13

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**MODELOPTs:  RegDEFAULT CONC      ELEV      URBAN

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\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

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SRCGROUP ID                                SOURCE IDs
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, L0005751      , L0005752      ,

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KnoxBPSchool1

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 , L0005767 , L0005768 , ,

L0005774 L0005769 , L0005770 , L0005771 , L0005772 , L0005773 ,  
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L0005782 L0005777 , L0005778 , L0005779 , L0005780 , L0005781 ,  
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 L0005894      L0005889      , L0005890      , L0005891      , L0005892      , L0005893      ,  
                   , L0005895      , L0005896      ,  
  
 L0005902      L0005897      , L0005898      , L0005899      , L0005900      , L0005901      ,  
                   , L0005903      , L0005904      ,  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc      \*\*\*      09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
    \*\*\*      11:10:13

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\*\*MODELOPTs:    RegDEFAULT CONC      ELEV      URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID  
-----

SOURCE IDs  
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L0005910      L0005905      , L0005906      , L0005907      , L0005908      , L0005909      ,  
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 L0005918      L0005913      , L0005914      , L0005915      , L0005916      , L0005917      ,  
                   , L0005919      , L0005920      ,  
  
 L0005926      L0005921      , L0005922      , L0005923      , L0005924      , L0005925      ,  
                   , L0005927      , L0005928      ,  
  
 L0005934      L0005929      , L0005930      , L0005931      , L0005932      , L0005933      ,  
                   , L0005935      , L0005936      ,  
  
 L0005942      L0005937      , L0005938      , L0005939      , L0005940      , L0005941      ,  
                   , L0005943      , L0005944      ,  
  
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 L0005958      L0005953      , L0005954      , L0005955      , L0005956      , L0005957      ,  
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 L0005966      L0005961      , L0005962      , L0005963      , L0005964      , L0005965      ,  
                   , L0005967      , L0005968      ,

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 , L0005999 , L0006000 , ,  
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♀ \*\*\* AERMOD - VERSION 15181 \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*  
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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*



KnoxBPSchool

SRCGROUP ID  
-----

SOURCE IDs  
-----

|          |                     |                       |              |          |            |   |
|----------|---------------------|-----------------------|--------------|----------|------------|---|
| L0006070 | L0006065 , L0006071 | , L0006066 , L0006072 | , L0006067 , | L0006068 | , L0006069 | , |
| L0006078 | L0006073 , L0006079 | , L0006074 , L0006080 | , L0006075 , | L0006076 | , L0006077 | , |
| L0006086 | L0006081 , L0006087 | , L0006082 , L0006088 | , L0006083 , | L0006084 | , L0006085 | , |
| L0006094 | L0006089 , L0006095 | , L0006090 , L0006096 | , L0006091 , | L0006092 | , L0006093 | , |
| L0006102 | L0006097 , L0006103 | , L0006098 , L0006104 | , L0006099 , | L0006100 | , L0006101 | , |
| L0006110 | L0006105 , L0006111 | , L0006106 , L0006112 | , L0006107 , | L0006108 | , L0006109 | , |
| L0006118 | L0006113 , L0006119 | , L0006114 , L0006120 | , L0006115 , | L0006116 | , L0006117 | , |
| L0006126 | L0006121 , L0006127 | , L0006122 , L0006128 | , L0006123 , | L0006124 | , L0006125 | , |
| L0006134 | L0006129 , L0006135 | , L0006130 , L0006136 | , L0006131 , | L0006132 | , L0006133 | , |
| L0006142 | L0006137 , L0006143 | , L0006138 , L0006144 | , L0006139 , | L0006140 | , L0006141 | , |
| L0006150 | L0006145 , L0006151 | , L0006146 , L0006152 | , L0006147 , | L0006148 | , L0006149 | , |
| L0006158 | L0006153 , L0006159 | , L0006154 , L0006160 | , L0006155 , | L0006156 | , L0006157 | , |
| L0006166 | L0006161 , L0006167 | , L0006162 , L0006168 | , L0006163 , | L0006164 | , L0006165 | , |
| L0006174 | L0006169 , L0006175 | , L0006170 , L0006176 | , L0006171 , | L0006172 | , L0006173 | , |
| L0006182 | L0006177 , L0006183 | , L0006178 , L0006184 | , L0006179 , | L0006180 | , L0006181 | , |

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L0006190 L0006185 , L0006186 , L0006187 , L0006188 , L0006189 ,  
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 L0006198 L0006193 , L0006194 , L0006195 , L0006196 , L0006197 ,  
 , L0006199 , L0006200 , ,  
 L0006206 L0006201 , L0006202 , L0006203 , L0006204 , L0006205 ,  
 , L0006207 , L0006208 , ,  
 L0006214 L0006209 , L0006210 , L0006211 , L0006212 , L0006213 ,  
 , L0006215 , L0006216 , ,  
 L0006222 L0006217 , L0006218 , L0006219 , L0006220 , L0006221 ,  
 , L0006223 , L0006224 , ,  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc \*\*\* 09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID  
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SOURCE IDs  
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L0006230 L0006225 , L0006226 , L0006227 , L0006228 , L0006229 ,  
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 L0006238 L0006233 , L0006234 , L0006235 , L0006236 , L0006237 ,  
 , L0006239 , L0006240 , ,  
 L0006246 L0006241 , L0006242 , L0006243 , L0006244 , L0006245 ,  
 , L0006247 , L0006248 , ,  
 L0006254 L0006249 , L0006250 , L0006251 , L0006252 , L0006253 ,  
 , L0006255 , L0006256 , ,  
 L0006262 L0006257 , L0006258 , L0006259 , L0006260 , L0006261 ,  
 , L0006263 , L0006264 , ,  
 L0006270 L0006265 , L0006266 , L0006267 , L0006268 , L0006269 ,  
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L0006278      L0006273      , L0006274      , L0006275      , L0006276      , L0006277      ,
, L0006279      , L0006280      ,
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L0006294      L0006289      , L0006290      , L0006291      , L0006292      , L0006293      ,
, L0006295      , L0006296      ,
L0006302      L0006297      , L0006298      , L0006299      , L0006300      , L0006301      ,
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L0006318      L0006313      , L0006314      , L0006315      , L0006316      , L0006317      ,
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, L0006327      , L0006328      ,
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, L0006343      , L0006344      ,
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L0006353      , PAREA1      , PAREA2      , AREA1      , AREA2      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD
View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc *** 09/25/15
*** AERMET - VERSION 14134 *** ***
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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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URBAN ID      URBAN POP      SOURCE IDs
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KnoxBPSchool

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L0005598 , L0005593 , L0005594 , L0005595 , L0005596 , L0005597 ,  
 , L0005599 , L0005600 ,

L0005606 , L0005601 , L0005602 , L0005603 , L0005604 , L0005605 ,  
 , L0005607 , L0005608 ,

L0005614 , L0005609 , L0005610 , L0005611 , L0005612 , L0005613 ,  
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L0005710 , L0005705 , L0005706 , L0005707 , L0005708 , L0005709 ,  
 , L0005711 , L0005712 ,

KnoxBPSchool

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 L0005726      L0005721 , L0005722 , L0005723 , L0005724 , L0005725 ,  
                   , L0005727 , L0005728 ,  
  
 L0005734      L0005729 , L0005730 , L0005731 , L0005732 , L0005733 ,  
                   , L0005735 , L0005736 ,  
  
 L0005742      L0005737 , L0005738 , L0005739 , L0005740 , L0005741 ,  
                   , L0005743 , L0005744 ,  
 ♀ \*\*\* AERMOD - VERSION 15181 \*\*\*      C:\Lakes\AERMOD  
 View\KnoxBP\KnoxBPSchool\KnoxBPSchool.isc      \*\*\*      09/25/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
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\*\*MODELOPTs:    RegDEFAULT CONC      ELEV      URBAN

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

\*\*\*

| URBAN ID | URBAN POP           | SOURCE IDs                                  |
|----------|---------------------|---|
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| L0005766 | L0005761 , L0005767 | L0005762 , L0005763 , L0005764 , L0005765 , |
| L0005774 | L0005769 , L0005775 | L0005770 , L0005771 , L0005772 , L0005773 , |
| L0005782 | L0005777 , L0005783 | L0005778 , L0005779 , L0005780 , L0005781 , |
| L0005790 | L0005785 , L0005791 | L0005786 , L0005787 , L0005788 , L0005789 , |
| L0005798 | L0005793 , L0005799 | L0005794 , L0005795 , L0005796 , L0005797 , |

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L0005806      L0005801      , L0005802      , L0005803      , L0005804      , L0005805      ,  
                   , L0005807      , L0005808      ,

L0005814      L0005809      , L0005810      , L0005811      , L0005812      , L0005813      ,  
                   , L0005815      , L0005816      ,

L0005822      L0005817      , L0005818      , L0005819      , L0005820      , L0005821      ,  
                   , L0005823      , L0005824      ,

L0005830      L0005825      , L0005826      , L0005827      , L0005828      , L0005829      ,  
                   , L0005831      , L0005832      ,

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                   , L0005839      , L0005840      ,

L0005846      L0005841      , L0005842      , L0005843      , L0005844      , L0005845      ,  
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L0005854      L0005849      , L0005850      , L0005851      , L0005852      , L0005853      ,  
                   , L0005855      , L0005856      ,

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                   , L0005903      , L0005904      ,

♀ \*\*\* AERMOD - VERSION 15181 \*\*\*      C:\Lakes\AERMOD  
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 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
    \*\*\*      11:10:13

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

\*\*\*

| URBAN ID<br>----- | URBAN POP<br>-----     | SOURCE IDs<br>-----      |                 |            |            |   |
|-------------------|------------------------|--------------------------|-----------------|------------|------------|---|
| L0005910          | L0005905<br>, L0005911 | , L0005906<br>, L0005912 | , L0005907<br>, | , L0005908 | , L0005909 | , |
| L0005918          | L0005913<br>, L0005919 | , L0005914<br>, L0005920 | , L0005915<br>, | , L0005916 | , L0005917 | , |
| L0005926          | L0005921<br>, L0005927 | , L0005922<br>, L0005928 | , L0005923<br>, | , L0005924 | , L0005925 | , |
| L0005934          | L0005929<br>, L0005935 | , L0005930<br>, L0005936 | , L0005931<br>, | , L0005932 | , L0005933 | , |
| L0005942          | L0005937<br>, L0005943 | , L0005938<br>, L0005944 | , L0005939<br>, | , L0005940 | , L0005941 | , |
| L0005950          | L0005945<br>, L0005951 | , L0005946<br>, L0005952 | , L0005947<br>, | , L0005948 | , L0005949 | , |
| L0005958          | L0005953<br>, L0005959 | , L0005954<br>, L0005960 | , L0005955<br>, | , L0005956 | , L0005957 | , |
| L0005966          | L0005961<br>, L0005967 | , L0005962<br>, L0005968 | , L0005963<br>, | , L0005964 | , L0005965 | , |
| L0005974          | L0005969<br>, L0005975 | , L0005970<br>, L0005976 | , L0005971<br>, | , L0005972 | , L0005973 | , |
| L0005982          | L0005977<br>, L0005983 | , L0005978<br>, L0005984 | , L0005979<br>, | , L0005980 | , L0005981 | , |
| L0005990          | L0005985<br>, L0005991 | , L0005986<br>, L0005992 | , L0005987<br>, | , L0005988 | , L0005989 | , |
| L0005998          | L0005993<br>, L0005999 | , L0005994<br>, L0006000 | , L0005995<br>, | , L0005996 | , L0005997 | , |
| L0006006          | L0006001<br>, L0006007 | , L0006002<br>, L0006008 | , L0006003<br>, | , L0006004 | , L0006005 | , |
| L0006014          | L0006009<br>, L0006015 | , L0006010<br>, L0006016 | , L0006011<br>, | , L0006012 | , L0006013 | , |

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L0006022      L0006017      , L0006018      , L0006019      , L0006020      , L0006021      ,  
                  , L0006023      , L0006024      ,  
  
 L0006030      L0006025      , L0006026      , L0006027      , L0006028      , L0006029      ,  
                  , L0006031      , L0006032      ,  
  
 L0006038      L0006033      , L0006034      , L0006035      , L0006036      , L0006037      ,  
                  , L0006039      , L0006040      ,  
  
 L0006046      L0006041      , L0006042      , L0006043      , L0006044      , L0006045      ,  
                  , L0006047      , L0006048      ,  
  
 L0006054      L0006049      , L0006050      , L0006051      , L0006052      , L0006053      ,  
                  , L0006055      , L0006056      ,  
  
 L0006062      L0006057      , L0006058      , L0006059      , L0006060      , L0006061      ,  
                  , L0006063      , L0006064      ,  
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\*\*MODELOPTs:    RegDEFAULT CONC      ELEV      URBAN

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

\*\*\*

| URBAN ID | URBAN POP              | SOURCE IDs               |                 |                 |                 |  |
|----------|------------------------|--------------------------|-----------------|-----------------|-----------------|--|
| -----    | -----                  | -----                    |                 |                 |                 |  |
| L0006070 | L0006065<br>, L0006071 | , L0006066<br>, L0006072 | , L0006067<br>, | , L0006068<br>, | , L0006069<br>, |  |
| L0006078 | L0006073<br>, L0006079 | , L0006074<br>, L0006080 | , L0006075<br>, | , L0006076<br>, | , L0006077<br>, |  |
| L0006086 | L0006081<br>, L0006087 | , L0006082<br>, L0006088 | , L0006083<br>, | , L0006084<br>, | , L0006085<br>, |  |
| L0006094 | L0006089<br>, L0006095 | , L0006090<br>, L0006096 | , L0006091<br>, | , L0006092<br>, | , L0006093<br>, |  |
| L0006102 | L0006097<br>, L0006103 | , L0006098<br>, L0006104 | , L0006099<br>, | , L0006100<br>, | , L0006101<br>, |  |



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L0006110 L0006105 , L0006106 , L0006107 , L0006108 , L0006109 ,  
 , L0006111 , L0006112 , ,

L0006118 L0006113 , L0006114 , L0006115 , L0006116 , L0006117 ,  
 , L0006119 , L0006120 , ,

L0006126 L0006121 , L0006122 , L0006123 , L0006124 , L0006125 ,  
 , L0006127 , L0006128 , ,

L0006134 L0006129 , L0006130 , L0006131 , L0006132 , L0006133 ,  
 , L0006135 , L0006136 , ,

L0006142 L0006137 , L0006138 , L0006139 , L0006140 , L0006141 ,  
 , L0006143 , L0006144 , ,

L0006150 L0006145 , L0006146 , L0006147 , L0006148 , L0006149 ,  
 , L0006151 , L0006152 , ,

L0006158 L0006153 , L0006154 , L0006155 , L0006156 , L0006157 ,  
 , L0006159 , L0006160 , ,

L0006166 L0006161 , L0006162 , L0006163 , L0006164 , L0006165 ,  
 , L0006167 , L0006168 , ,

L0006174 L0006169 , L0006170 , L0006171 , L0006172 , L0006173 ,  
 , L0006175 , L0006176 , ,

L0006182 L0006177 , L0006178 , L0006179 , L0006180 , L0006181 ,  
 , L0006183 , L0006184 , ,

L0006190 L0006185 , L0006186 , L0006187 , L0006188 , L0006189 ,  
 , L0006191 , L0006192 , ,

L0006198 L0006193 , L0006194 , L0006195 , L0006196 , L0006197 ,  
 , L0006199 , L0006200 , ,

L0006206 L0006201 , L0006202 , L0006203 , L0006204 , L0006205 ,  
 , L0006207 , L0006208 , ,

L0006214 L0006209 , L0006210 , L0006211 , L0006212 , L0006213 ,  
 , L0006215 , L0006216 , ,

L0006222 L0006217 , L0006218 , L0006219 , L0006220 , L0006221 ,  
 , L0006223 , L0006224 , ,

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ELEV URBAN

\*\*MODELOPTs: RegDEFAULT CONC

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

\*\*\*

| URBAN ID | URBAN POP           | SOURCE IDs          |            |            |            |  |  |
|----------|---------------------|---------------------|------------|------------|------------|--|--|
| -----    | -----               | -----               |            |            |            |  |  |
| L0006230 | L0006225 , L0006231 | L0006226 , L0006232 | L0006227 , | L0006228 , | L0006229 , |  |  |
| L0006238 | L0006233 , L0006239 | L0006234 , L0006240 | L0006235 , | L0006236 , | L0006237 , |  |  |
| L0006246 | L0006241 , L0006247 | L0006242 , L0006248 | L0006243 , | L0006244 , | L0006245 , |  |  |
| L0006254 | L0006249 , L0006255 | L0006250 , L0006256 | L0006251 , | L0006252 , | L0006253 , |  |  |
| L0006262 | L0006257 , L0006263 | L0006258 , L0006264 | L0006259 , | L0006260 , | L0006261 , |  |  |
| L0006270 | L0006265 , L0006271 | L0006266 , L0006272 | L0006267 , | L0006268 , | L0006269 , |  |  |
| L0006278 | L0006273 , L0006279 | L0006274 , L0006280 | L0006275 , | L0006276 , | L0006277 , |  |  |
| L0006286 | L0006281 , L0006287 | L0006282 , L0006288 | L0006283 , | L0006284 , | L0006285 , |  |  |
| L0006294 | L0006289 , L0006295 | L0006290 , L0006296 | L0006291 , | L0006292 , | L0006293 , |  |  |
| L0006302 | L0006297 , L0006303 | L0006298 , L0006304 | L0006299 , | L0006300 , | L0006301 , |  |  |
| L0006310 | L0006305 , L0006311 | L0006306 , L0006312 | L0006307 , | L0006308 , | L0006309 , |  |  |
| L0006318 | L0006313 , L0006319 | L0006314 , L0006320 | L0006315 , | L0006316 , | L0006317 , |  |  |

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L0006326 L0006321 , L0006322 , L0006323 , L0006324 , L0006325 ,  
, L0006327 , L0006328 ,  
L0006334 L0006329 , L0006330 , L0006331 , L0006332 , L0006333 ,  
, L0006335 , L0006336 ,  
L0006342 L0006337 , L0006338 , L0006339 , L0006340 , L0006341 ,  
, L0006343 , L0006344 ,  
L0006350 L0006345 , L0006346 , L0006347 , L0006348 , L0006349 ,  
, L0006351 , L0006352 ,

L0006353 , PAREA1 , PAREA2 , AREA1 , AREA2 ,  
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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

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

( 472938.3, 3746359.3, 514.0, 514.0, 0.0); ( 473851.1,  
3744739.0, 515.0, 515.0, 0.0);  
( 473671.4, 3744554.0, 512.0, 512.0, 0.0);

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\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* METEOROLOGICAL DAYS SELECTED FOR

PROCESSING \*\*\*

(1=YES; 0=NO)

1  
1  
1  
1  
1 1

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```

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

```

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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***   ***   11:10:13

```

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```

**MODELOPTs:  RegDEFAULT CONC     ELEV     URBAN

```

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

```

Surface file:  ..\SRA24_Met Data\peri8.sfc
Met Version: 14134
Profile file:  ..\SRA24_Met Data\peri8.PFL

```

Surface format: FREE

Profile format: FREE

```

Surface station no.:   3190             Upper air station no.:   3190
Name: UNKNOWN         Name: UNKNOWN
Year:   2007           Year:   2007

```

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

```

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|      |      |      |   |    |       |       |        |        |       |       |         |      |      |
|------|------|------|---|----|-------|-------|--------|--------|-------|-------|---------|------|------|
| 07   | 01   | 01   | 1 | 01 | -0.5  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 3.0     | 0.19 | 1.00 |
| 1.00 | 0.50 | 133. |   |    | 9.1   | 279.9 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 02 | -0.5  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 3.0     | 0.19 | 1.00 |
| 1.00 | 0.50 | 192. |   |    | 9.1   | 279.2 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 03 | -0.5  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 3.0     | 0.19 | 1.00 |
| 1.00 | 0.50 | 160. |   |    | 9.1   | 277.5 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 04 | -0.5  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 3.0     | 0.19 | 1.00 |
| 1.00 | 0.50 | 75.  |   |    | 9.1   | 277.5 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 05 | -0.6  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 2.6     | 0.19 | 1.00 |
| 1.00 | 0.50 | 282. |   |    | 9.1   | 278.8 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 06 | -0.6  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 2.6     | 0.19 | 1.00 |
| 1.00 | 0.50 | 96.  |   |    | 9.1   | 277.5 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 07 | -0.5  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 3.0     | 0.19 | 1.00 |
| 1.00 | 0.50 | 129. |   |    | 9.1   | 278.1 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 08 | -0.4  | 0.026 | -9.000 | -9.000 | -999. | 10.   | 3.7     | 0.19 | 1.00 |
| 0.54 | 0.50 | 99.  |   |    | 9.1   | 277.5 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 09 | 27.8  | 0.091 | 0.542  | 0.005  | 196.  | 66.   | -2.3    | 0.19 | 1.00 |
| 0.33 | 0.50 | 133. |   |    | 9.1   | 278.1 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 10 | 76.9  | 0.104 | 1.050  | 0.005  | 516.  | 81.   | -1.3    | 0.19 | 1.00 |
| 0.26 | 0.50 | 174. |   |    | 9.1   | 281.4 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 11 | 110.0 | 0.109 | 1.374  | 0.009  | 810.  | 87.   | -1.0    | 0.19 | 1.00 |
| 0.23 | 0.50 | 95.  |   |    | 9.1   | 284.9 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 12 | 125.7 | 0.201 | 1.589  | 0.018  | 1095. | 216.  | -5.5    | 0.19 | 1.00 |
| 0.22 | 1.30 | 94.  |   |    | 9.1   | 288.1 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 13 | 121.7 | 0.287 | 1.641  | 0.022  | 1248. | 369.  | -16.6   | 0.19 | 1.00 |
| 0.22 | 2.20 | 24.  |   |    | 9.1   | 291.4 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 14 | 102.8 | 0.414 | 1.559  | 0.021  | 1265. | 639.  | -59.1   | 0.19 | 1.00 |
| 0.23 | 3.60 | 13.  |   |    | 9.1   | 292.5 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 15 | 69.9  | 0.619 | 1.374  | 0.021  | 1276. | 1169. | -291.2  | 0.19 | 1.00 |
| 0.27 | 5.80 | 318. |   |    | 9.1   | 292.0 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 16 | 16.8  | 0.607 | 0.856  | 0.021  | 1277. | 1135. | -1137.8 | 0.19 | 1.00 |
| 0.36 | 5.80 | 329. |   |    | 9.1   | 291.4 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 17 | -42.2 | 0.437 | -9.000 | -9.000 | -999. | 720.  | 169.3   | 0.19 | 1.00 |
| 0.64 | 4.50 | 333. |   |    | 9.1   | 289.9 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 18 | -18.5 | 0.353 | -9.000 | -9.000 | -999. | 510.  | 204.1   | 0.19 | 1.00 |
| 1.00 | 3.60 | 305. |   |    | 9.1   | 288.8 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 19 | -42.3 | 0.437 | -9.000 | -9.000 | -999. | 692.  | 168.7   | 0.19 | 1.00 |
| 1.00 | 4.50 | 276. |   |    | 9.1   | 287.5 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 20 | -32.3 | 0.334 | -9.000 | -9.000 | -999. | 470.  | 98.6    | 0.19 | 1.00 |
| 1.00 | 3.60 | 323. |   |    | 9.1   | 287.5 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 21 | -36.7 | 0.380 | -9.000 | -9.000 | -999. | 562.  | 128.3   | 0.19 | 1.00 |
| 1.00 | 4.00 | 322. |   |    | 9.1   | 288.1 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 22 | -45.6 | 0.434 | -9.000 | -9.000 | -999. | 685.  | 153.6   | 0.19 | 1.00 |
| 1.00 | 4.50 | 30.  |   |    | 9.1   | 288.1 | 5.5    |        |       |       |         |      |      |
| 07   | 01   | 01   | 1 | 23 | -39.7 | 0.377 | -9.000 | -9.000 | -999. | 557.  | 115.4   | 0.19 | 1.00 |
| 1.00 | 4.00 | 343. |   |    | 9.1   | 287.0 | 5.5    |        |       |       |         |      |      |

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07 01 01 1 24 -7.7 0.093 -9.000 -9.000 -999. 215. 9.1 0.19 1.00  
 1.00 1.80 155. 9.1 283.8 5.5

First hour of profile data

| YR | MO | DY | HR | HEIGHT | F | WDIR  | WSPD   | AMB_TMP | sigmaA | sigmaW | sigmaV |
|----|----|----|----|--------|---|-------|--------|---------|--------|--------|--------|
| 07 | 01 | 01 | 01 | 5.5    | 0 | -999. | -99.00 | 279.9   | 99.0   | -99.00 | -99.00 |
| 07 | 01 | 01 | 01 | 9.1    | 1 | 133.  | 0.50   | -999.0  | 99.0   | -99.00 | -99.00 |

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

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\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5  
 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0005585 , L0005586  
 , L0005587 , L0005588 , L0005589 ,  
 , L0005590 , L0005591 , L0005592 , L0005593 , L0005594  
 , L0005595 , L0005596 , L0005597 ,  
 , L0005598 , L0005599 , L0005600 , L0005601 , L0005602  
 , L0005603 , L0005604 , L0005605 ,  
 , L0005606 , L0005607 , L0005608 , L0005609 , L0005610  
 , L0005611 , L0005612 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

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

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) |
|-------------|-------------|---------|-------------|
| Y-COORD (M) | CONC        |         |             |
| 472938.32   | 3746359.26  | 0.00029 | 473851.09   |
| 3744738.96  | 0.00034     |         |             |
| 473671.43   | 3744554.04  | 0.00029 |             |

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\*\*MODELOPTs: RegDEFAULT CONC

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS \*\*\*

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

\*\*

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

|         |                       |              |                        |
|---------|-----------------------|--------------|------------------------|
| ALL     | 1ST HIGHEST VALUE IS  | 0.00034 AT ( | 473851.09, 3744738.96, |
| 515.04, | 515.04, 0.00) DC      |              |                        |
|         | 2ND HIGHEST VALUE IS  | 0.00029 AT ( | 472938.32, 3746359.26, |
| 514.00, | 514.00, 0.00) DC      |              |                        |
|         | 3RD HIGHEST VALUE IS  | 0.00029 AT ( | 473671.43, 3744554.04, |
| 512.05, | 512.05, 0.00) DC      |              |                        |
|         | 4TH HIGHEST VALUE IS  | 0.00000 AT ( | 0.00, 0.00,            |
| 0.00,   | 0.00, 0.00)           |              |                        |
|         | 5TH HIGHEST VALUE IS  | 0.00000 AT ( | 0.00, 0.00,            |
| 0.00,   | 0.00, 0.00)           |              |                        |
|         | 6TH HIGHEST VALUE IS  | 0.00000 AT ( | 0.00, 0.00,            |
| 0.00,   | 0.00, 0.00)           |              |                        |
|         | 7TH HIGHEST VALUE IS  | 0.00000 AT ( | 0.00, 0.00,            |
| 0.00,   | 0.00, 0.00)           |              |                        |
|         | 8TH HIGHEST VALUE IS  | 0.00000 AT ( | 0.00, 0.00,            |
| 0.00,   | 0.00, 0.00)           |              |                        |
|         | 9TH HIGHEST VALUE IS  | 0.00000 AT ( | 0.00, 0.00,            |
| 0.00,   | 0.00, 0.00)           |              |                        |
|         | 10TH HIGHEST VALUE IS | 0.00000 AT ( | 0.00, 0.00,            |
| 0.00,   | 0.00, 0.00)           |              |                        |

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

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 \*\*\* 11:10:13

\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

A Total of 0 Fatal Error Message(s)  
 A Total of 1 Warning Message(s)  
 A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified ( 4.12 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

ME W531 1883 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SURFDATA

\*\*\*\*\*

\*\*\* AERMOD Finishes Successfully \*\*\*

\*\*\*\*\*



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**APPENDIX 5.2:**  
**RISK CALCULATIONS**

**Table A1**  
**Quantification of Carcinogenic Risks**  
**Residential Exposure Scenario**

Mobile Sources - Diesel Particulates

$$\text{DOSEair} = \text{Cair} \times [\text{BR}/\text{BW}] \times \text{A} \times \text{EF} \times (1 \times 10^{-6})$$

$$\text{RISKair} = \text{DOSEair} \times \text{CPF} \times \text{ED}/\text{AT}$$

|                    |             |
|--------------------|-------------|
| Cair               | 0.01942     |
| DBR (l/kg)         | 302         |
| EF (350/365)       | 0.95890411  |
| conv factor        | 0.000001    |
| DOSEair =          | 5.62382E-06 |
| CPF                | 1.1E+00     |
| ED                 | 70          |
| AT                 | 70          |
| RISKair =          | 6.19E-06    |
| RISK Per Million = | 6.19        |

**Quantification of Non Carcinogenic Risks**  
**Residential Exposure Scenario**

|                |          |
|----------------|----------|
| REL (ug/m3)    | 5        |
| Hazard Index = | 0.003884 |

**Table A2**  
**Quantification of Carcinogenic Risks**  
**Worker Exposure Scenario**

Mobile Sources - Diesel Particulates

$$\text{DOSEair} = \text{Cair} \times [\text{BR}/\text{BW}] \times \text{A} \times \text{EF} \times (1 \times 10^{-6})$$

$$\text{RISKair} = \text{DOSEair} \times \text{CPF} \times \text{ED}/\text{AT}$$

|                    |             |
|--------------------|-------------|
| Cair               | 0.01452     |
| DBR (l/kg)         | 149         |
| EF (245/365)       | 0.671232877 |
| conv factor        | 0.000001    |
| DOSEair =          | 1.4522E-06  |
| CPF                | 1.1E+00     |
| ED                 | 40          |
| AT                 | 70          |
| RISKair =          | 9.13E-07    |
| RISK Per Million = | 0.91        |

**Quantification of Non Carcinogenic Risks**  
**Worker Exposure Scenario**

|                |          |
|----------------|----------|
| REL (ug/m3)    | 5        |
| Hazard Index = | 0.002904 |

**Table A3**  
**Quantification of Carcinogenic Risks**  
**School Child Exposure Scenario**

Mobile Sources - Diesel Particulates

$$\text{DOSEair} = \text{Cair} \times [\text{BR}/\text{BW}] \times \text{A} \times \text{EF} \times (1 \times 10^{-6})$$

$$\text{RISKair} = \text{DOSEair} \times \text{CPF} \times \text{ED}/\text{AT}$$

|                    |             |
|--------------------|-------------|
| Cair               | 0.00034     |
| DBR (l/kg)         | 581         |
| EF (180/365)       | 0.493150685 |
| conv factor        | 0.000001    |
| DOSEair =          | 9.7417E-08  |
| CPF                | 1.1E+00     |
| ED                 | 9           |
| AT                 | 70          |
| RISKair =          | 1.38E-08    |
| RISK Per Million = | 0.014       |

**Quantification of Non Carcinogenic Risks**  
**School Child Exposure Scenario**

|                |          |
|----------------|----------|
| REL (ug/m3)    | 5        |
| Hazard Index = | 0.000068 |