ALBERT A. WEBB ASSOCIATES

HEALTH RISK ASSESSMENT

First Industrial Day Street Project
(Case Number PEN22-0144)

Prepared for:

First Industrial Realty Trust

November 2022

DIESEL PARTICULATE MATTER

HEALTH RISK ASSESSMENT

First Industrial Day Street Project
(CASE NUMBER(S): PEN22-0144)
City of Moreno Valley

Prepared for:

First Industrial Realty Trust, Inc.

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Section 1 – Introduction

Purpose and Methods of Analysis

Health risk assessments are commonly used to estimate the health risks to the surrounding community from projects that significantly increase the number of diesel vehicles and hence increase the amount of diesel particulate matter (DPM) in the area. The proposed Project includes one, single non-refrigerated warehouse building, which will result in an increase in the number of diesel trucks in the Project vicinity.

The intent of this report is to support the California Environmental Quality Act (CEQA) document being prepared by the City of Moreno Valley for the Project. The analysis examines the diesel exhaust emissions from Project-generated traffic in the Project vicinity from diesel trucks traveling along local roads.

The dispersion and concentration of DPM was modeled using AERMOD. The roadways were modeled as line sources represented by adjacent volume sources. Emission factors were obtained using EMFAC2017. The estimation of health risks (both cancer and non-cancer) from DPM was performed following the guidelines established by the South Coast Air Quality Management District (SCAQMD) for health risk assessments from known DPM. The methods and assumptions used in this analysis are explained in greater detail in Section 3.

Project Description

The Project site is located on approximately 8.01 net acres on Day Street, south of Alessandro Boulevard, in the City of Moreno Valley, California. (**Figure 1 – Project Location**) The Project applicant proposes the demolition of an existing 63,220 square feet (SF) building and the development of an approximate 164,968 SF non-refrigerated warehouse building that includes 3,500 SF of office space and 3,500 SF of mezzanine office space. The warehouse building will feature approximately 25 dock doors on the eastern side of the proposed building. (**Figure 2 – Site Plan**)

The Project will be constructed as a speculative warehouse building; that is, there is not a specific tenant identified at this time. To present a conservative analysis or worst-case conditions, this analysis assumes the Project would be operated 24 hours per day, seven days per week.

H:\2022\22-0039\GIS\HRA\project_location.aprx; Map created 25 Oct 2022

Sources: Riverside Co. GIS, 2022 (parcels) and 2020 (imagery).

0 150 300 450 Feet

Figure 1 - Project Location

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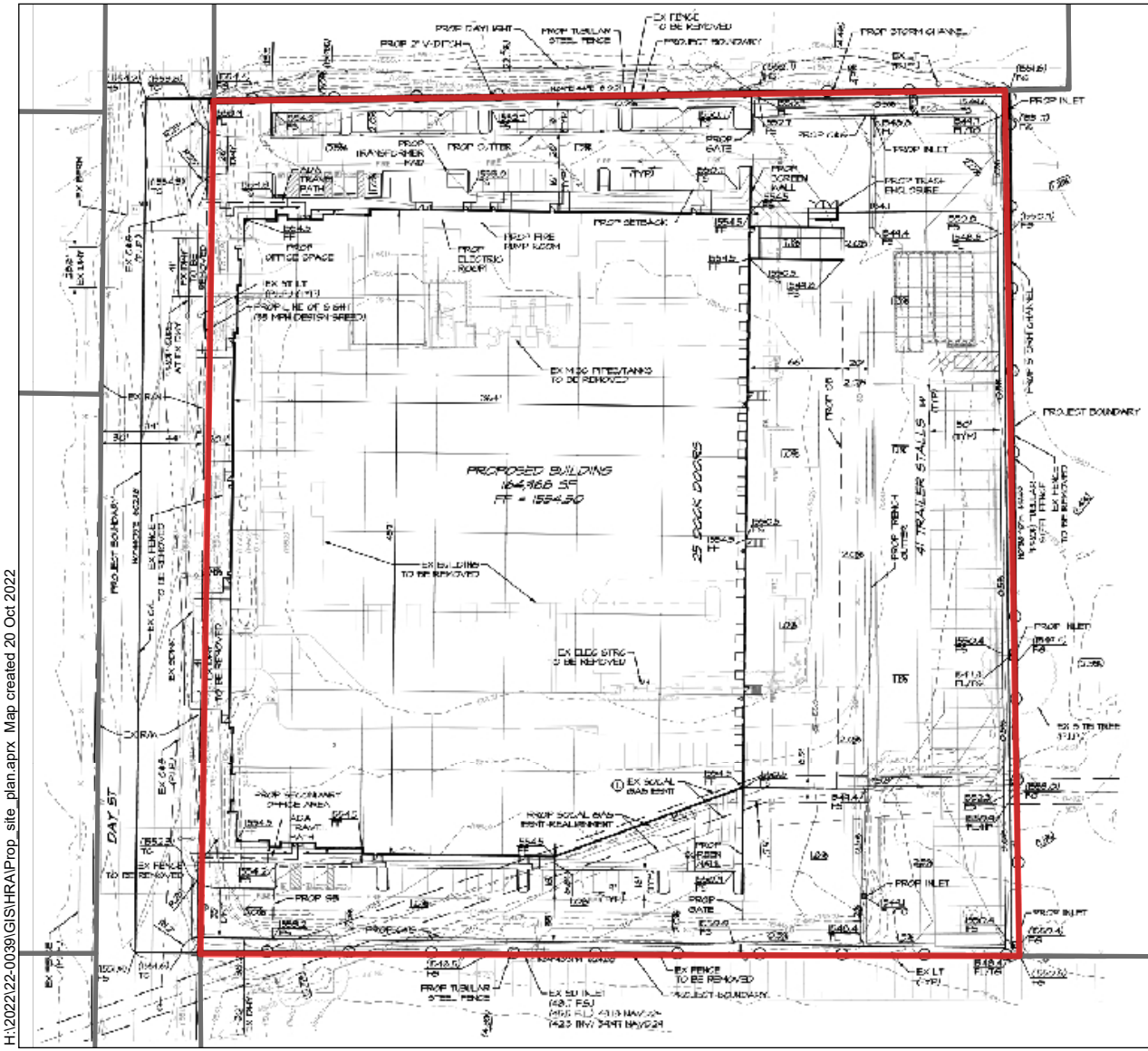

PROJECT DATA

BUILDING AREA

FOOTPRINT	161,468 SF
MEZZANINE	3,500 SF
PUMPHOUSE	0 SF
TOTAL	164,968 SF

PARKING

PARKING TYPE	REQUIRED	PROVIDED
OFFICE (1/250 SF-7,000 SF)	28	
WAREHOUSE		63
1-20,000 SF (1/1,000 SF)	20	
20-40,000 SF (1/2,000 SF)	10	
>40,000 SF (1/4,000 SF)	30	
ADA	4	6
EV PARKING STALS		9
CARPOOL/VANPOOL STALLS		12
SUB-TOTAL	88	90
TRAILER	17	41
GRAND TOTAL	105	131
BICYCLE	5%	5

LANDSCAPING

LANDSCAPE	10%	36,030 SF (10.32%)

EARTHWORK ESTIMATE

CUT:	4,100 CY
FILL:	23,000 CY
SUBSIDENCE:	(1,500 CY)
UTILITY SPOILS:	13,900 CY
NET (IMPORT):	6,500 CY

ACREAGE

8.01	ACRES (NET)
0.61	ACRES (EXISTING R/W)
8.62	ACRES (GROSS)

LEGEND

Project Site

H:\2022\22-0039\GIS\HRA\Prop_site_plan.aprx Map created 20 Oct 2022

Sources: Albert A. Webb Associates, 2022;
Riverside Co. GIS, 2022.

Figure 2 - Proposed Site Plan

0 50 100 150 Feet

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Section 2 – Setting

Existing and Surrounding Land Uses

The proposed Project site is developed and contains an existing industrial building with outdoor storage. The surrounding area is mostly developed with industrial uses, for the exception of a vacant lot southwest of the Project site. The sensitive receptors analyzed herein include existing residential uses, most of which are legal, non-conforming residential uses that are designated as Business Flex uses in the Moreno Valley General Plan.

Sensitive Receptors

“Sensitive receptors” refer to those people most susceptible to respiratory distress such as asthmatics, the elderly, very young children, people already weakened by other diseases or illness and persons engaged in strenuous work or exercise. SCAQMD defines a "sensitive receptor" as a land use or facility such as residences, schools, childcare centers, athletic facilities, playgrounds, retirement homes, and convalescent homes. (SCAQMD 1993, p. 1-2)

Analysis Setting

The human health effects examined in this analysis are the inhalation cancer risks and chronic non-cancer health effects due to exposure to airborne diesel exhaust. The potential health risks were estimated using modeling and health risk assessment methodology established by the:

- Office of Environmental Health Hazard Assessment (OEHHA) of the California Environmental Protection Agency (CalEPA)
- South Coast Air Quality Management District (SCAQMD)
- U.S. Environmental Protection Agency (USEPA)
- California Air Resources Board (CARB)

Diesel Particulate Matter Background

Particulate matter in the less than or equal to 10 micron diameter size range (PM-10) is usually formed from mechanical action, such as dust and tire debris. These particles are large enough that they settle out of the air rapidly due to gravitational settling. While in the air, they contribute to visibility degradation and enter into the respiratory tracts of humans. However, they do not travel as far into the respiratory system as the smaller PM-2.5 (particles with a diameter of 2.5 microns or smaller) particles. PM-2.5 is formed through the accumulation of smaller particles or the condensation onto the surface of the smaller particles, which are directly emitted from cars and trucks. The particles in this 2.5 micron size range have the longest atmospheric lifetimes of any particles in the atmosphere of about 10 days and can be transported for up to 1,800-miles from the emission source.

Diesel exhaust is a complex mixture of inorganic and organic compounds that exist in the gaseous, liquid, and solid phases. The primary gaseous components are nitrogen, oxygen, carbon dioxide, and water vapor. As a result of incomplete combustion, diesel exhaust also includes over 40 substances that are listed as hazardous air pollutants by the USEPA and by CARB as toxic air contaminants (TACs). Exhaust from diesel engines contains approximately 20 times more particles than exhaust from comparable gasoline engines. Over 90 percent of the mass of the particles are less than 2.5 microns in diameter and are easily inhaled into the bronchial and alveolar regions of the lung. The particles are mainly aggregates of spherical carbon particles coated with inorganic and organic substances. The

inorganic fraction primarily consists of elemental carbon, while the organic fraction consists of soluble organic compounds such as aldehydes, alkanes, alkenes, high-molecular weight polycyclic aromatic hydrocarbons (PAH), and PAH-derivatives, such as nitro-PAHs. Many of these PAHs and PAH-derivatives, especially nitro-PAHs, have been found to be mutagens and carcinogens. Nitro-PAH compounds can also be formed during transport through the atmosphere by reactions of adsorbed PAH with nitric acid and by gas-phase radical-initiated reactions in the presence of oxides of nitrogen (NO_X) (CARB 1998).

There are three groups of sources of diesel exhaust in California:

- Mobile sources (on-road vehicles and other mobile sources),
- Stationary area sources (e.g., oil and gas production facilities, stationary engines, shipyards, repair yards), and
- Stationary point sources (e.g., chemical manufacturing, electric utilities).

Of these sources, on-road mobile sources (heavy-duty trucks, buses, light-duty cars and trucks) contribute the majority of total diesel exhaust PM-10 emissions in California.

Health Risks

OEHHA analyzed more than 30 studies of workers exposed to diesel exhaust. OEHHA reported that diesel-particle levels measured in California's air in 2000 could cause 540 "excess" cancers (beyond what would occur if there were no diesel particles in the air) in a population of 1 million people over a 70-year lifetime. (OEHHA 2001).

According to OEHHA, scientific evidence suggests that non-cancer lung damage (such as reduced lung function and increased sensitivity to asthma) can occur when long-term ambient DPM levels are greater than 5 $\mu g/m^3$. Although this is higher than the average concentration of DPM in California's air, people can be exposed to DPM concentrations greater than 5 $\mu g/m^3$ near truck stops, busy freeways, and other places where multiple diesel engines are in operation.

Regulations

The local air districts (such as SCAQMD) have the primary responsibility for control of air pollution for all sources, except for mobile source emissions, which are under the control of CARB. On August 27, 1998, following a 10-year review process, CARB listed DPM as a toxic air contaminant (TAC).

The USEPA, CARB, and SCAQMD have adopted many regulations that have resulted in or will reduce particulate matter (PM), nitrogen oxides (NO_X), and sulfur oxides (SO_X) emissions from diesel-fueled engines. Some of the existing control measures are:

- a requirement for low sulfur/low aromatic diesel fuel that reduces PM, NO_X, and SO_X emissions (October 1993).
- emission standards for NO_X emissions from diesel cars, trucks, and urban buses (phased in from 1984 through 2004).
- roadside testing of heavy-duty on-road vehicles for excessive PM emissions (1991) and a requirement for fleet inspection and maintenance of heavy-duty vehicles (Summer 1998).
- emission standards that restrict the amount of PM and NO_X that can be emitted from many 1995 and newer diesel utility engines.

- a requirement limiting the idling of diesel-fueled commercial vehicles to five minutes at any location pursuant to Section 2485 of Chapter 10 within Title 13 of California Code of Regulations (February 1, 2005).

In October 2000, the USEPA published the final rule for new diesel engine standards beginning in 2004 for all diesel vehicles over 8,500 pounds. Additional diesel standards and test procedures in this rule began in 2007. Heavy-duty gasoline engines are required to meet new, more stringent standards starting no later than the 2005 model year. The new standards require gasoline trucks to be 78 percent cleaner and diesel trucks to be more than 40 percent cleaner than the models of 2000 (USEPA 2000a). In December 2000, the USEPA established a comprehensive national control program that regulates the heavy-duty vehicle and its fuel as a single system. New emission standards took effect in model year 2007 and apply to heavy-duty highway engines and vehicles. The new standards for PM took full effect for diesel engines in the 2007 model year. Gasoline engines will also be subject to these standards, requiring full compliance in the 2009 model year. In addition, the level of sulfur in highway diesel fuel was reduced by 97 percent to no more than 15 parts per million (ppm) in mid-2006. As a result of this program, each new truck and bus is more than 90 percent cleaner (USEPA 2000b).

In October 2000, CARB completed a risk reduction plan (CARB 2000) to reduce DPM emissions throughout the state. The plan proposed measures which required all new diesel-fueled vehicles and engines to use state-of-the-art catalyzed DPM filters and very low sulfur diesel fuel. In addition, all existing vehicles and engines were to be evaluated, and wherever technically feasible and cost-effective, retrofitted with DPM filters. One of the incentive programs still in effect is the Carl Moyer Program. The Carl Moyer program is a clean engine incentive program. This program provides money in the form of grants to cover the incremental portion of the cost to purchase cleaner burning engines or retrofitting existing ones. As with new engines, very low sulfur diesel fuel should be used by retrofitted vehicles and engines. It was estimated that full implementation of the plan, including proposed federal measures, would result in reductions in DPM emissions and associated cancer risks of 75 percent by 2010 and 85 percent by 2020. On February 27, 2004, CARB announced the approval of five diesel air toxic control measures (ATCM) control measures (CARB 2004), which will limit DPM as part of the plan.

In 2008, CARB approved the Statewide Truck and Bus Rule. The regulation applies to nearly all privately- and federally-owned diesel-fueled trucks and buses with a gross vehicle weight rating greater than 14,000 pounds. This regulation was last amended in December 2014 to provide more time for fleets to comply (CARB 2014). The amended regulation requires installation of PM retrofits beginning in 2012 and replacement of older trucks starting in 2015. By January 1, 2023, nearly all vehicles would need to have 2010 model year engines or equivalent.

In June 2000, SCAQMD announced new fleet vehicle rules (SCAQMD 2000), which will seek to gradually shift public agencies to low emissions and alternative fuel vehicles. Whenever a public fleet operator with 15 or more vehicles replaces or purchases new vehicles, they must be either low-emission or alternative-fueled. This would also apply to vehicles used to transport passengers to and from airports in the region. Following adoption of the first six fleet rules, the Engine Manufacturers Association sued AQMD in district court in August 2000. Plaintiffs appealed to the 9th Circuit Court of Appeals in San Francisco, which affirmed the lower court's decision. Plaintiffs sought review in the Supreme Court of the United States and heard the case on January 14, 2004 (SCAQMD 2004). On April 28, 2004, the Supreme Court issued an opinion that, under the Clean Air Act, SCAQMD (and other local jurisdictions) are prohibited from adopting regulations that require private fleet owners to purchase clean-fueled vehicles. However, the court allowed the possibility that fleet rules can be applied to public fleets and may be valid for leased and used vehicles (SCAQMD 2004).

Both federal and state Clean Air Acts require that each non-attainment area prepare a plan to reduce air pollution to healthful levels. The 1988 California Clean Air Act and the 1990 amendments to the federal Clean Air Act (CAA) established new planning requirements and deadlines for attainment of the air quality standards within specified time frames, which are contained in the State Implementation Plan (SIP). Amendments to the SIP have been proposed, revised, and approved since 1990. The currently adopted clean air plan for the South Coast Air Basin (Basin) is the 1999 SIP Amendment for ozone, approved by the USEPA in 2000. The Air Quality Management Plan (AQMP) for the Basin establishes a program of rules and regulations directed at attainment of the state and national air quality standards. The AQMP control measures and related emission reduction estimates are based upon emissions projections for a future development scenario derived from land use, population, and employment characteristics defined in consultation with local governments. The SCAQMD adopted an updated AQMP in March 2017, which outlines the air pollution measures needed to meet federal health-based standards (SCAQMD 2016). Specifically, the Plan includes control strategies to demonstrate attainment with various ozone and PM 2.5 National Ambient Air Quality Standards (NAAQS) by specified deadlines; it incorporates the latest scientific and technological information and planning assumptions, including Southern California Association of Governments' (SCAG's) 2016 Regional Transportation Plan/Sustainable Communities Strategy and updated emission inventories and modeling methods.

The AQMP points out that the regulation of emissions from ships, aircraft, trains, and off-road farm and construction equipment less than 175 horsepower are under federal jurisdiction, yet emissions from these sources continues to represent a significant and increasing portion of the emissions inventory in the Basin. In order to attain federal standards, the emissions reduction burden will have to be shifted to other stationary and mobile sources that have been regulated. The AQMP includes measures at the state and federal level that will have to be complied with. In addition, several measures aimed at reducing PM emissions will also be implemented. They include a measure to install electric systems at truck stops in order to eliminate truck idling and operation of auxiliary engines to power refrigerated trailers and units, a mitigation fee program for federal sources, and the authority to implement regulations in the event that USEPA or CARB does not develop aggressive programs to reduce emissions from vehicles.

The SCAQMD *CEQA Air Quality Handbook* (1993) states that emissions of TACs are considered significant if a health risk assessment shows a Maximum Individual Cancer Risk (MICR) of greater than ten (10) in one million. Based on guidance from SCAQMD (SCAQMD 2003), 10 in one million is used as the threshold for this Project. For non-cancer risks, the threshold is a hazard index value greater than one (1).

Section 3 – Emissions Estimates

Modeling Methodology

This health risk assessment was performed using AERMOD and in accordance with the SCAQMD's Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (SCAQMD 2003) and the 2017 Risk Assessment Procedures for Rules 1401, 1401.1 and 212 Version 8.1, which is based on OEHHA's *The Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments* ("Guidance Manual") (SCAQMD 2017).

SCAQMD recommends using the USEPA's AERMOD model for mobile source emissions impact assessments by modeling the individual roadways as line sources represented by adjacent volume sources, consistent with the USEPA Haul Road Workgroup Recommendations (USEPA 2012). For dispersion analysis, AERMOD has four source types that the user can choose from. Point sources refer to stacks, where the pollutants are released from a single point. The area source model is used to simulate the effects of fugitive emissions from sources such as storage piles and slag lumps. The open pit source model is used to simulate fugitive emissions from below-grade open pits, such as surface coal mines or stone quarries. The volume source model is used to simulate the effects of emissions from sources such as building roof monitors and line sources, which include roads. This study uses the volume source model, as recommended by SCAQMD. Modeled sources were assumed to have a constant and steady emission rate for all hours of the day.

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. However, tables showing the roadways and volume sources modeled are included in Appendix A. In order to model the mobile source emissions from area diesel truck traffic, the roadways were treated as line sources represented by multiple adjacent volume sources. The initial horizontal and vertical plume standard deviations must be computed for each volume source modeled. According to the AERMOD user's guide, the initial horizontal standard deviation (σ_y) of individual volume sources should be estimated as the distance between separate volume sources divided by 2.15. In a similar manner, the AERMOD user guide specifies that the source initial vertical standard deviation (σ_z) for a surface-based source (simulating truck travel on roadways or idling at truck bays) should be estimated as the height of the building divided by the same factor of 2.15. For roadway parameters, the USEPA Haul Road Workgroup Recommendations was utilized for calculating the volume source characteristics based on the height and width of heavy duty diesel trucks.

The area studied as part of this health risk assessment is much larger than the Project site itself and is bounded by bounded by Bay Avenue to the north, Interstate 215 (I-215) to the west, Golden Crest Drive to the south, and Elsworth Street to the east. The local roadway segments modeled are listed in **Table 1**, below, and are based on the truck distribution patterns identified in the *City of Moreno Valley Scoping Agreement for Traffic Study (Scoping Agreement)* (WEBB 2022).

Table 1 – Local Road Segments Modeled

Roadway	Link Segment Description	Average Vehicle Speed (mph)
Day Street	B/n South Driveway and North Driveway	15
Day Street	B/n North Driveway and Alessandro Boulevard	15
Alessandro Boulevard	B/n Day Street and I-215 Ramps	30

In order to do the dispersion analysis, the initial concentration of DPM emitted per roadway segment modeled has to be estimated. The EMFAC2017 (CARB 2020) developed by CARB was utilized to obtain an average emission factor for 2024 (Project opening year) using the meteorological data for the South Coast Air Basin to estimate the particulate matter (PM) emissions generated by the truck traffic on the local roads near the Project site.

EMFAC2017 results are available by vehicle category. The Project-specific *Scoping Agreement* provides truck data by axle number categorizing trucks as either 2-axle, 3-axle, or 4+-axle. To convert the axle-based truck categories to those within EMFAC2017, one of SCAQMD's recommended methods was used which equates 2-axle trucks to Light-Heavy Duty Diesel trucks (LHDT), 3-axle trucks to Medium-Heavy Duty Diesel Trucks (MHDT), and 4+-axle trucks to Heavy-Heavy Duty Diesel Truck (HHDT) (SCAQMD 2011).

Since PM emissions are also a function of vehicle speed, the modeled vehicle speeds along local roads and the freeway ranging between 5 miles per hour (mph) and 30 mph, depending on the road segment, were used. An average vehicle speed of 5 mph was modeled for the trucks traveling within the Project site. These vehicle speeds were chosen after consultation with staff at SCAQMD,[1] who suggested that the average vehicle speed be reduced for each roadway below the posted speed limit in order to model emissions from diesel trucks while they are idling at traffic lights or in congested traffic conditions. **Table 2** summarizes the emission factors and corresponding vehicle speeds used.

The below emission factors were adjusted to reflect actual percentages for each truck category identified in the *Scoping Agreement* (WEBB 2022) for the modeled scenarios on each road modeled to produce an average emission factor for each road segment modeled. These emission factors were averaged for each of the four age bins in the 2017 SCAQMD Guidance for each modeled scenario (Appendix A). For assessment of residential cancer risk, the risk is calculated in individual age bins (e.g., third trimester, 0 to 2 years, etc.) rather than a single lifetime calculation, whereas, for offsite workers the default assumption is that working age begins at 16 years (SCAQMD 2017). These age bins are based on scientific data, which has shown that young animals are more sensitive than adult animals to exposure to many carcinogens, and are designed to take into account the increased sensitivity to carcinogens during early-in-life exposure. Each age bin is adjusted by an Age Sensitivity Factor (ASF) when calculating cancer risks to account for this increased sensitivity.

[1] Staff communication with James Koizumi on March 5, 2004.

Table 2 – EMFAC2017 Emission Factors Used

Speed	2024 Project Emission Factors (grams/mile)		
	LDT	MDT	HDT
0 mph (Idling)			
-0.25 to 0 years	0.785	0.036	0.012
0 to 2 years	0.785	0.038	0.012
2 to 16 years	0.787	0.019	0.011
16 to 30 years	0.787	0.019	0.011
5 mph			
-0.25 to 0 years	0.064	0.006	0.013
0 to 2 years	0.066	0.007	0.013
2 to 16 years	0.040	0.006	0.012
16 to 30 years	0.040	0.006	0.012
15 mph			
-0.25 to 0 years	0.037	0.004	0.009
0 to 2 years	0.038	0.004	0.009
2 to 16 years	0.025	0.004	0.008
16 to 30 years	0.025	0.004	0.008
30 mph			
-0.25 to 0 years	0.020	0.003	0.007
0 to 2 years	0.021	0.003	0.007
2 to 16 years	0.014	0.003	0.007
16 to 30 years	0.014	0.003	0.007

Truck Counts

The number of Project trucks using local roads in 2024 was estimated as part of the *Scoping Agreement* (WEBB 2022) using trip generation rates and truck trip distribution maps. The assumptions for truck distributions (LHDT, MHDT, and HHDT) in each scenario are contained in detail in Appendix A. The local road segments and truck average daily traffic (ADT) used for this analysis are listed in **Table 3**.

Table 3 – Average Daily Truck Traffic

Roadway	Link Segment Description	Project Truck ADT
Day Street	B/n South Driveway and North Driveway	50
Day Street	B/n North Driveway and Alessandro Boulevard	100
Alessandro Boulevard	B/n Day Street and I-215 Ramps	100

Truck Idling

In addition to the emissions of DPM from trucks traveling along the roadways, it is also important to model the emissions of DPM from trucks while they are idling at the loading areas of the Project site. There is one loading area at the Project site, with approximately 25 dock doors on the east side of the building (**Figure 2 – Site Plan**). The emissions from the loading area were calculated as line volume sources utilizing the idling emission factor shown in **Table 2**, calculated by EMFAC2017. All trucks were conservatively assumed to idle in the loading area for 15 minutes.

Diesel Particulate Matter Dispersion Modeling

The AERMOD dispersion model uses available meteorological data (provided by SCAQMD) for the Project area in order to estimate the DPM concentrations at receptor locations. The meteorological data provided by SCAQMD used was for Perris, CA. Terrain data, National Elevation Dataset (NED) data available from U. S. Geological Survey, was used to produce terrain base elevations for all modeled sources and receptors. A uniform Cartesian receptor grid, with receptors placed at 50meter intervals, extending in each direction of the Project boundary and modeled roadways was used.

Estimation of Health Risks

Cancer Risks

Cancer risks are a calculated probability of the number of people who will develop cancer after exposure to DPM at the same concentration, 24 hours a day, 350 days a year for a lifetime of 70 years. As a conservative measure, the SCAQMD does not recognize indoor adjustments for residents. However, a study by published in the Journal of Air and Waste Management Association in 2001 (JAWMA 2001) shows that the typical person spends approximately 87 percent of their time indoors, 5 percent of their time outdoors, and 7 percent of their time in vehicles.

The cancer risks from DPM occur exclusively through the inhalation pathway; therefore, the maximum individual cancer risk (MICR) can be estimated from the following equation:

$$*MICR_{DPM} = CP_{DPM} \bullet DI_{DPM}$$

where,

$MICR_{DPM}$ Cancer risk from diesel particulate matter (DPM); the probability of an individual developing cancer as a result of exposure to DPM.

CP_{DPM} [1] Cancer Potency factor for DPM $(mg/kg\text{-}day)^{-1}$; estimated probability that a person will contract cancer as a result of inhalation of a DPM concentration of 1mg per kilogram of bodyweight continuously over a period of 70 years CP_{DPM} value of 1.1 $(mg/kg\text{-}day)^{-1}$

DI_{DPM} [2] Dose through inhalation (mg/kg-day)

- obtained by multiplying C_{air} x ASF x ED x FAH x DBR x (EF/70) x 10^{-6}
    - C_{air} is the Annual Average 24 hour per day concentration of DPM in air ($\mu g/m^3$) (calculated by AERMOD).
    - ASF is the age specific factor.
    - ED is the exposure duration in years.
    - FAH is the fraction of time at home.
    - DBR is the daily breathing rate
        - To be most protective, the DBR was adjusted for each age group (95th percentile rate for age bins less than 2 years old and 80th percentile for older age groups, as recommended by CARB)
    - EF is the exposure factor
        - Most sensitive value of 0.96 used. [3]
        - Off-site receptor value of 0.68 was used.

* Table of data used in calculations can be found in Appendix A.

1. From Table 2.0 of the 2017 SCAQMD Permit Application Package "N" (For Use in Conjunction with the Risk Assessment Procedures for Rules 1401, 1401.1 and 212 Version 8.1 [SCAQMD 2017]).
2. From Table 4.0 of the 2017 SCAQMD Permit Application Package "N".

This probability is usually expressed in terms of the number of people who will develop cancer per one million people who are also exposed. The exposure assumptions provided in the above calculations are based on the SCAQMD 2017 Permit Applications Package "N" which is based on The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments updated by OEHHA in 2015 (OEHHA 2015). In 2015, OEHHA adopted updated Guidelines (OEHHA 2015) for risk assessments conducted under The Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB2588), which superseded the previous 2003 Guidelines. The Air Toxics "Hot Spots" Information and Assessment Act requires stationary sources (facilities) to report the type and quantity of substances they routinely release into the air. For risk assessments conducted under AB 2588, OEHHA applies specific adjustment factors to all carcinogens regardless of purported mechanism of action. However, U.S. EPA guidance relating to the use of early life exposure adjustment factors[2] explains that use of adjustment factors is only necessary when carcinogens act "through the mutagenic mode of action." A mutagen is a physical or chemical agent that changes genetic material, such as DNA, which increases the frequency of mutations and produces carcinogenic effects. The use of adjustment factors is recommended to account for the susceptibility of producing adverse health effects during early life stages from exposure to these mutagenic compounds. Because DPM does not elicit a mutagenic mode of action, the use of age specific adjustment factors is not warranted. Nonetheless, age adjustment factors were used herein to ensure a conservative analysis.

Additionally, with regard to applicability of the risk assessment procedures, OEHHA has indicated that roadways are not part of the Hot Spots program because the program only addresses stationary sources. Nonetheless, this HRA conservatively used the 2017 updated Risk Assessment Procedures for Rules 1401 and 212.

Modeled Cancer Risks

Seven (7) separate discrete receptors located at sensitive receptors (Receptor 1 – Receptor 5) and off-site worker receptors (Receptor 5 – Receptor 7) within the Project vicinity were modeled (**Figure 3**). All receptor locations were modeled at the nearest property boundary to provide a conservative analysis. Receptor 1 is a residential use on Pepper Street north of Alessandro Boulevard, northeast of the Project site. Receptor 2 through Receptor 4 are non-conforming residential uses northwest of the Project site, along Alessandro Boulevard. Receptors 5 - 7 are non-sensitive uses to the east, south, and west of the Project site.

DPM concentrations were predicted at modeled receptor locations for each age bin using the emission factors described above and shown in Appendix A. The Project's anticipated increases in DPM and cancer risk were modeled to determine if the Project would result in excess cancer risk above the SCAQMD threshold of 10 in one million.

[2] U.S. EPA, Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens, EPA/630/R-003F, March 2005. Available at: https://archive.epa.gov/raf/web/pdf/childrens_supplement_final.pdf.

H:\2022\22-0039\GIS\HRA\receptor_locations.aprx; Map created 25 Oct 2022

Sources: Riverside Co. GIS, 2022 (parcels) and 2020 (imagery).

Figure 3 - Discrete Receptor Locations

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The Project-generated cancer risk at discrete receptor locations modeled are summarized in **Table 4**, below.

Table 4 – Project-Generated Cancer Risk (2024) at Discrete Receptors

Receptor	Cancer Risk (per million)
Sensitive Receptors	
1	0.4
2	0.6
3	0.9
4	0.9
Off-site Worker Receptors	
5	0.5
6	0.5
7	0.2

None of the modeled receptor locations would be exposed to Project-related excess cancer risks from DPM on the modeled roadways and site operations that exceed the SCAQMD threshold of 10 in one million. The highest cancer risk at modeled receptor locations is 0.9 per million, located at Receptor 3 and Receptor 4's property boundary of a sensitive receptor. The highest cancer risk at modeled off-site worker receptors is 0.5 per million, located at Receptor 5 and Receptor 6.

Non-Cancer Risks

The non-cancer risks can be described as acute (short-term, generally 1-hour peak exposures) or chronic (long-term exposure, defined as 12 percent of a lifetime or about 8 years for humans) health impacts. OEHHA has developed acute and chronic reference exposure levels (REL) for determining the non-cancer health impacts of toxic substances. Exceeding the acute or chronic REL does not necessarily indicate that an adverse health impact will occur; however, levels of exposure above the REL have an increasing but undefined probability of resulting in an adverse health impact, particularly in sensitive individuals (OEHHA 2003). For DPM, there is no value for the acute REL and the chronic REL is 5 µg/m^3.

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

$$\mathbf{HI_{DPM} = C_{DPM} / REL_{DPM}}$$

where,

HI_{DPM} Hazard Index; an expression of the potential for non-cancer health effects.

C_{DPM} Annual average DPM concentration in µg/m^3.

REL_{DPM} Reference exposure level (REL) for DPM; the DPM concentration at which no adverse health effects are anticipated.

The maximum DPM concentration is 0.04105 µg/m^3 is reported for the second age bin and it occurs on site, near the truck loading area. Using the equation above, the hazard index is 0.00821 which is less than one percent of the allowed threshold of 1.

Recommended Mitigation Measures

Because the Project's DPM emissions do not exceed the 10 in one million threshold, no mitigation is required.

Conclusion

Based on the analysis herein, without mitigation, the long-term DPM emissions directly from the Project will not result in cancer risks exceeding the SCAQMD 10-in-one-million threshold at modeled receptors.

Non-cancer risks are less than one percent of the SCAQMD recommended threshold.

Section 4 – References

References Cited

The following documents were referred to as general information sources during preparation of this document. They are available for public review at the locations indicated after each listing and identified out at the end of this section. Some of these documents are also available at public libraries and at other public agency offices.

CARB 1998 — California Air Resources Board, *Initial Statement of Reasons for Rulemaking, Staff Report, Proposed Identification of Diesel Exhaust as a Toxic Air Contaminant*, June 1998. (Available at http://www.arb.ca.gov/toxics/dieseltac/staffrpt.pdf, accessed September 29, 2022.)

CARB 2000 — California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions for Diesel-Fueled Engines and Vehicles*, October 2000. (Available at http://www.arb.ca.gov/diesel/documents/rrpfinal.pdf, accessed September 29, 2022.)

CARB 2004 — California Air Resources Board, *News Release – ARB Approves Five Diesel Control Measures*, February 2004. (Available at www.arb.ca.gov/newsrel/nr022704.htm, accessed September 29, 2022.)

CARB 2014 — California Air Resources Board, *In-Use Heavy-Duty Diesel-Fueled Vehicles (Statewide Truck and Bus) Regulation*, December 2014. (Available at http://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm, accessed September 29, 2022.)

CARB 2020 — California Air Resources Board, *EMFAC2017 Emissions Model Software,* August 2020. (Available at https://ww2.arb.ca.gov/our-work/programs/mobile-source-emissions-inventory/msei-modeling-tools, accessed September 29, 2022.)

JAWMA 2001 — Thomas A. Cackette and Alan C. Lloyd, *Diesel Engines: Environmental Impact and Control*, Journal of the Air and Waste Management Association, vol. 51: pp. 809-847, June 2001. (Available at https://www.tandfonline.com/doi/pdf/10.1080/10473289.2001.10464315?needAccess=true, accessed September 29, 2022.)

OEHHA 2001 — Office of Environmental Health Hazard Assessment*, Health Effects of Diesel Exhaust Fact Sheet*, May 21, 2001. (Available at https://oehha.ca.gov/air/health-effects-diesel-exhaust#:~:text=In%20fact%2C%20long%2Dterm%20exposure,air%20contaminant%20evaluated%20by%20OEHHA.&text=Diesel%20exhaust%20can%20irritate%20the,%2C%20headaches%2C%20lightheadedness%20and%20nausea, accessed September 29, 2022.)

OEHHA 2003 Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Risk Assessment Guidelines*, *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, August 2003. (Available at https://oehha.ca.gov/air/crnr/notice-adoption-air-toxics-hot-spots-program-guidance-manual-preparation-health-riskf, accessed September 30, 2022.)

OEHHA 2015 Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Risk Assessment Guidelines, *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, March 2015. (Available at http://oehha.ca.gov/air/crnr/notice-adoption-air-toxics-hot-spots-program-guidance-manual-preparation-health-risk-0, accessed September 29, 2022.)

SCAQMD 1993 South Coast Air Quality Management District, *CEQA Air Quality Handbook*, 1993. (Available at http://www.aqmd.gov/ceqa/hdbk.html, accessed September 29, 2022.)

SCAQMD 2000 South Coast Air Quality Management District, *AQMD Fleet Vehicle Rules*, 2000-2001. (Available at http://www.aqmd.gov/home/regulations/fleet-rules/on-road-heavy-duty-public-fleet, accessed September 29, 2022.)

SCAQMD 2003 South Coast Air Quality Management District, *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis. South Coast Air Quality Management District*, August 2003. (Available at http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis, accessed September 30, 2022.)

SCAQMD 2004 South Coast Air Quality Management District, *Fleet Rules*, webpage. (Available at http://www.aqmd.gov/home/rules-compliance/rules/fleet-rules, accessed September 30, 2022.)

SCAQMD 2011 South Coast Air Quality Management District, *Analysis of Warehouse Trip Generation Rates by SCAQMD*, September 2011. (Available at http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/high-cube-resource-caleemod-appendix-e.pdf?sfvrsn=2, accessed September 30, 2022.)

SCAQMD 2016 South Coast Air Quality Management District, *2016 Air Quality Management Plan*, March 2017. (Available at http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/final-2016-aqmp, accessed September 30, 2022.)

SCAQMD 2017 South Coast Air Quality Management District, *Risk Assessment Procedures for Rules 1401, 1401.1, and 212. Version 8.1, September 1, 2017.* (Available at http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12, accessed September 30, 2022.)

USEPA 2000a — United States Environmental Protection Agency, *Final Emission Standards for 2004 & Later Model Year Highway Heavy-Duty Vehicles & Engines*, July 2000. (Available at https://archive.org/details/FinalEmissionStandardsFor2004AndLaterModelYearHighwayHeavy-duty, accessed September 30, 2022.)

USEPA 2000b — United States Environmental Protection Agency, *Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements*, December 2000. (Available at https://www.epa.gov/regulations-emissions-vehicles-and-engines/final-rule-control-air-pollution-new-motor-vehicles-heavy, accessed September 30, 2022.)

USEPA 2012 — United States Environmental Protection Agency, *Memorandum, Haul Road Workgroup Final Report Submission to EPA-OAQPS*, March 2, 2012. (Available at https://www.epa.gov/sites/production/files/2020-10/documents/haul_road_workgroup-final_report_package-20120302.pdf, accessed September 30, 2022.)

WEBB 2022 — Albert A. Webb Associates, *City of Moreno Valley Scoping Agreement for Traffic Study, FIR Day Street Warehouse (PEN22-0144)*, September 2022. (Available at the City of Moreno Valley.)

Location	**Address**
City of Moreno Valley	City of Moreno Valley, Planning Department 14177 Frederick Street Moreno Valley, CA 92553
SCAQMD	South Coast Air Quality Management District 21865 East Copley Drive Diamond Bar, CA 91765-4182

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APPENDIX A

Dispersion Modeling Parameters and Output

2024 Average Truck Emission Rates (grams/mile; grams/idle-hour)

	0 mph			5 mph			15 mph			30 mph		
	LHDT	MHDT	HHDT	LHDT	MHDT	HHDT	LHDT	MHDT	HHDT	LHDT	MHDT	HHDT
2024	0.785	0.038	0.012	0.066	0.007	0.013	0.038	0.004	0.009	0.021	0.003	0.007
2025	0.785	0.033	0.012	0.061	0.006	0.013	0.036	0.004	0.009	0.020	0.003	0.007
2026	0.785	0.028	0.012	0.056	0.006	0.013	0.033	0.004	0.009	0.019	0.003	0.007
2027	0.785	0.024	0.012	0.052	0.006	0.013	0.031	0.004	0.009	0.017	0.003	0.007
2028	0.785	0.021	0.011	0.047	0.006	0.012	0.029	0.004	0.009	0.016	0.003	0.007
2029	0.785	0.019	0.011	0.043	0.006	0.012	0.027	0.004	0.008	0.015	0.003	0.007
2030	0.785	0.017	0.011	0.040	0.006	0.012	0.025	0.004	0.008	0.014	0.003	0.007
2031	0.785	0.015	0.011	0.036	0.006	0.012	0.023	0.004	0.008	0.013	0.003	0.007
2032	0.786	0.014	0.011	0.033	0.006	0.012	0.021	0.004	0.008	0.013	0.003	0.007
2033	0.787	0.012	0.011	0.030	0.005	0.012	0.020	0.004	0.008	0.012	0.003	0.007
2034	0.788	0.011	0.011	0.028	0.005	0.011	0.019	0.004	0.008	0.011	0.003	0.007
2035	0.789	0.011	0.010	0.026	0.005	0.011	0.018	0.004	0.008	0.011	0.003	0.007
2036	0.790	0.010	0.010	0.024	0.005	0.011	0.017	0.004	0.008	0.010	0.003	0.007
2037	0.791	0.009	0.010	0.022	0.005	0.011	0.016	0.004	0.008	0.009	0.003	0.007
2038	0.792	0.009	0.010	0.021	0.005	0.011	0.015	0.004	0.008	0.009	0.003	0.007
2039	0.793	0.009	0.010	0.019	0.005	0.011	0.014	0.004	0.008	0.009	0.003	0.007
2040	0.794	0.008	0.010	0.018	0.005	0.011	0.013	0.004	0.008	0.008	0.003	0.007
2041	0.794	0.008	0.010	0.017	0.005	0.011	0.013	0.003	0.008	0.008	0.003	0.007
2042	0.795	0.008	0.010	0.016	0.005	0.011	0.012	0.003	0.008	0.008	0.003	0.007
2043	0.796	0.008	0.010	0.015	0.005	0.011	0.012	0.003	0.008	0.007	0.003	0.007
2044	0.796	0.008	0.010	0.015	0.005	0.011	0.011	0.003	0.008	0.007	0.003	0.007
2045	0.797	0.008	0.010	0.014	0.005	0.011	0.011	0.003	0.008	0.007	0.003	0.007
2046	0.797	0.008	0.010	0.013	0.005	0.011	0.011	0.003	0.008	0.007	0.003	0.007
2047	0.797	0.007	0.010	0.013	0.005	0.011	0.010	0.003	0.008	0.007	0.003	0.007
2048	0.798	0.007	0.010	0.013	0.005	0.011	0.010	0.003	0.008	0.007	0.003	0.007
2049	0.798	0.007	0.010	0.012	0.005	0.011	0.010	0.003	0.008	0.006	0.003	0.007
2050	0.798	0.007	0.010	0.012	0.005	0.011	0.010	0.003	0.008	0.006	0.003	0.007
2051	0.798	0.007	0.010	0.012	0.005	0.011	0.010	0.003	0.008	0.006	0.003	0.007
2052	0.798	0.007	0.010	0.012	0.005	0.011	0.010	0.003	0.008	0.006	0.003	0.007
2053	0.798	0.007	0.010	0.012	0.005	0.011	0.010	0.003	0.008	0.006	0.003	0.007
-.25 to 0	0.785	0.036	0.012	0.064	0.006	0.013	0.037	0.004	0.009	0.020	0.003	0.007
0 to 2	0.785	0.038	0.012	0.066	0.007	0.013	0.038	0.004	0.009	0.021	0.003	0.007
2 to 16	0.787	0.019	0.011	0.040	0.006	0.012	0.025	0.004	0.008	0.014	0.003	0.007
16 to 30	0.787	0.019	0.011	0.040	0.006	0.012	0.025	0.004	0.008	0.014	0.003	0.007

Project Road Segment Emission Rates Truck Mix[1]																	
Speed►	**0 mph**			**5 mph**			**15 mph**			**30 mph**							
Road # ▼																	
1)																	
-.25 to 0							0.012	grams/mile									
0 to 2							0.013	grams/mile									
2 to 16							0.010	grams/mile									
16 to 30							0.010	grams/mile									
2)																	
-.25 to 0							0.013	grams/mile									
0 to 2							0.013	grams/mile									
2 to 16							0.010	grams/mile									
16 to 30							0.010	grams/mile									
3)																	
-.25 to 0										0.009	grams/mile						
0 to 2										0.009	grams/mile						
2 to 16										0.008	grams/mile						
16 to 30										0.008	grams/mile						
4) - On-site Travel																	
-.25 to 0				0.020	grams/mile												
0 to 2				0.021	grams/mile												
2 to 16				0.015	grams/mile												
16 to 30				0.015	grams/mile												
5) Idling																	
-.25 to 0	0.149	grams/mile															
0 to 2	0.149	grams/mile															
2 to 16	0.145	grams/mile															
16 to 30	0.145	grams/mile															

Note: [1] Project truck mix based on Scoping Agreement, calculated on following tab.

Project Truck Mix

Roadway Segment	Link Segment Description	2 Axle	% of total	3 Axle	% of total	4+ Axle	% of total	total # of trucks
Day Street	B/n South Driveway and North Driveway	8	16.0	11	22.0	31	62.0	50
Day Street	B/n North Driveway and Alessandro Boulevard	17	17.0	21	21.0	62	62.0	100
Alessandro Boulevard	B/n Day Street and I-215 Ramps	17	17.0	21	21.0	62	62.0	100

Roadway Links Modeled (2024) - Project Only Trucks

Roadway Segment	Link Segment Description	Vol Source Spacing (ft)	Vol Source Spacing (m)	Average Speed (mph)	Age	Emission Factor (g/mi)	Project Truck ADT	Length (m)	Total Line Emission Rate (g/s)	SLINE #
Day Street	B/n South Driveway and North Driveway	28.18	8.59	15	-.25 to 0	0.012	50	166.33	**7.374E-07**	1
					0 to 2	0.013			**7.508E-07**	
					2 to 16	0.010			**5.970E-07**	
					16 to 30	0.010			**5.970E-07**	
Day Street	B/n North Driveway and Alessandro Boulevard	28.18	8.59	15	-.25 to 0	0.013	100	205.00	**1.866E-06**	2
					0 to 2	0.013			**1.900E-06**	
					2 to 16	0.010			**1.503E-06**	
					16 to 30	0.010			**1.503E-06**	
Alessandro Boulevard	B/n Day Street and I-215 Ramps	28.18	8.59	30	-.25 to 0	0.009	100	806.50	**5.111E-06**	3
					0 to 2	0.009			**5.173E-06**	
					2 to 16	0.008			**4.378E-06**	
					16 to 30	0.008			**4.378E-06**	

On-Site Travel

Roadway	Vol Source Spacing (ft)	Vol Source Spacing (m)	Average Speed (mph)	Age	Emission Factor (g/mi)	Project Truck ADT	Length (m)	Total Line Emission Rate (g/s)	SLINE #
Drive Aisle	28.18	8.59	5	-.25 to 0	0.020	100	468	**6.805E-06**	4
				0 to 2	0.021			**6.967E-06**	
				2 to 16	0.015			**5.213E-06**	
				16 to 30	0.015			**5.213E-06**	

Truck Idling (15 min)

Location	Vol Source Spacing (ft)	Vol Source Spacing (m)	Project Trucks	Age	Idling Time (min)	Emission Factor (g/hr)	Loading Areas	Total Line Emission Rate (g/s)	SLINE #
Loading Area	28.18	8.59	100	-.25 to 0	15	0.149	1	**4.298E-05**	5
				0 to 2		0.149		**4.317E-05**	
				2 to 16		0.145		**4.183E-05**	
				16 to 30		0.145		**4.183E-05**	

Project Only trucks are estimated percentages of the total truck trips generated in the Scoping Agreement .

MICR Calculations

Data for Table 4, 2024 Project Cancer Risk at Sensitive Receptors

Receptor	Age Bin	DPM* Conc (µg/m3)	DBR** (Daily Breathing rate)	Age Specific Factor**	Exposure Duration**	Fraction of Time at Home**	EF** (Exposure Frequency)	Unit Conversion Factor	CP*** (Cancer Potency Factor)	MICR (Maximum Individual Cancer Risk)	Cancer risk per million
1	-0.25 to 0	0.00057	361	10	0.25	1	0.96	1.00E-06	1.1	7.76E-09	0.0
	0 to 2	0.00058	1090	10	2	1	0.96	1.00E-06	1.1	1.91E-07	0.2
	2 to 16	0.00053	572	3	14	1	0.96	1.00E-06	1.1	1.92E-07	0.2
	16 to 30	0.00053	261	1	14	0.73	0.96	1.00E-06	1.1	2.13E-08	0.0
									Total	***4.12E-07***	***0.4***
2	-0.25 to 0	0.00092	361	10	0.25	1	0.96	1.00E-06	1.1	1.25E-08	0.0
2	0 to 2	0.00093	1090	10	2	1	0.96	1.00E-06	1.1	3.06E-07	0.3
2	2 to 16	0.00082	572	3	14	1	0.96	1.00E-06	1.1	2.97E-07	0.3
2	16 to 30	0.00082	261	1	14	0.73	0.96	1.00E-06	1.1	3.30E-08	0.0
									Total	***6.49E-07***	***0.6***
3	-0.25 to 0	0.00134	361	10	0.25	1	0.96	1.00E-06	1.1	1.82E-08	0.0
	0 to 2	0.00135	1090	10	2	1	0.96	1.00E-06	1.1	4.44E-07	0.4
	2 to 16	0.00117	572	3	14	1	0.96	1.00E-06	1.1	4.24E-07	0.4
	16 to 30	0.00117	261	1	14	0.73	0.96	1.00E-06	1.1	4.71E-08	0.0
									Total	***9.33E-07***	***0.9***
4	-0.25 to 0	0.00126	361	10	0.25	1	0.96	1.00E-06	1.1	1.72E-08	0.0
4	0 to 2	0.00128	1090	10	2	1	0.96	1.00E-06	1.1	4.21E-07	0.4
4	2 to 16	0.00111	572	3	14	1	0.96	1.00E-06	1.1	4.02E-07	0.4
4	16 to 30	0.00111	261	1	14	0.73	0.96	1.00E-06	1.1	4.47E-08	0.0
									Total	***8.85E-07***	***0.9***

Data for Table 4, 2024 Project Cancer Risk at Off-Site Workers in Project Vicinity

Receptor	DPM* Conc (µg/m3)	DBR** (Daily Breathing rate)	Exposure Duration**	EF** (Exposure Frequency)		CP*** (Cancer Potency Factor)	MICR (Maximum Individual Cancer Risk)	Cancer risk per million
5	0.00878	230	25	0.68	1.00E-06	1.1	5.39E-07	0.5
6	0.00761	230	25	0.68	1.00E-06	1.1	4.68E-07	0.5
7	0.00258	230	25	0.68	1.00E-06	1.1	1.59E-07	0.2

* DPM concentration calculated by AERMOD

** Values from Table 4.0 of 2017 Permit Application Package "N" For Use in Conjunction with SCAQMD Risk Assessment Procedures for Rules 1401, 1401.1, and 212 version 8.1

*** CP for DPM value from Table 2.0 of 2017 Permit Application Package "N"

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 10/18/2022
** File: C:\Users\monicat\Desktop\First Industrial Day Street\ProjAB1\ProjAB1.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE First Industrial at Day Street
   TITLETWO Project Only DPM Concentration (2024) - AB1
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2189641 Riverside
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL ProjAB1.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 Day Street B/n South Driveway and North Driveway
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 7.374E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 474227.508, 3752590.077, 473.00, 3.49, 4.00
** 474228.095, 3752756.374, 473.34, 3.49, 4.00
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   LOCATION L0000766     VOLUME   474227.553 3752602.962 473.05
   LOCATION L0000767     VOLUME   474227.584 3752611.552 473.11
   LOCATION L0000768     VOLUME   474227.614 3752620.142 473.17
   LOCATION L0000769     VOLUME   474227.644 3752628.732 473.23
   LOCATION L0000770     VOLUME   474227.675 3752637.322 473.25
   LOCATION L0000771     VOLUME   474227.705 3752645.912 473.28
   LOCATION L0000772     VOLUME   474227.735 3752654.501 473.31
   LOCATION L0000773     VOLUME   474227.766 3752663.091 473.33
   LOCATION L0000774     VOLUME   474227.796 3752671.681 473.35
   LOCATION L0000775     VOLUME   474227.826 3752680.271 473.37
   LOCATION L0000776     VOLUME   474227.857 3752688.861 473.39
   LOCATION L0000777     VOLUME   474227.887 3752697.451 473.41
   LOCATION L0000778     VOLUME   474227.917 3752706.041 473.43
   LOCATION L0000779     VOLUME   474227.948 3752714.631 473.45
   LOCATION L0000780     VOLUME   474227.978 3752723.221 473.44
   LOCATION L0000781     VOLUME   474228.008 3752731.811 473.38
   LOCATION L0000782     VOLUME   474228.039 3752740.401 473.32
   LOCATION L0000783     VOLUME   474228.069 3752748.991 473.27
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** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Day Street B/n North Driveway and Alessandro Boulevard
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.866E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 5
** 474227.214, 3752756.357, 473.32, 3.49, 4.00
** 474227.905, 3752796.453, 473.00, 3.49, 4.00
** 474228.942, 3752871.808, 473.12, 3.49, 4.00
** 474229.288, 3752910.867, 472.98, 3.49, 4.00
** 474226.868, 3752961.334, 472.63, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000020     VOLUME   474227.288 3752760.651 473.14
   LOCATION L0000021     VOLUME   474227.436 3752769.240 473.07
   LOCATION L0000022     VOLUME   474227.584 3752777.828 473.01
   LOCATION L0000023     VOLUME   474227.732 3752786.417 472.97
   LOCATION L0000024     VOLUME   474227.880 3752795.006 472.96
   LOCATION L0000025     VOLUME   474228.003 3752803.595 472.95
   LOCATION L0000026     VOLUME   474228.122 3752812.184 472.94
   LOCATION L0000027     VOLUME   474228.240 3752820.773 472.95
   LOCATION L0000028     VOLUME   474228.358 3752829.363 472.96
   LOCATION L0000029     VOLUME   474228.476 3752837.952 472.98
   LOCATION L0000030     VOLUME   474228.594 3752846.541 472.99
   LOCATION L0000031     VOLUME   474228.713 3752855.130 473.02
   LOCATION L0000032     VOLUME   474228.831 3752863.719 473.04
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   LOCATION L0000033     VOLUME   474228.947 3752872.308 473.06
   LOCATION L0000034     VOLUME   474229.023 3752880.898 473.04
   LOCATION L0000035     VOLUME   474229.099 3752889.488 473.01
   LOCATION L0000036     VOLUME   474229.175 3752898.077 472.98
   LOCATION L0000037     VOLUME   474229.251 3752906.667 472.94
   LOCATION L0000038     VOLUME   474229.078 3752915.252 472.85
   LOCATION L0000039     VOLUME   474228.666 3752923.832 472.77
   LOCATION L0000040     VOLUME   474228.255 3752932.412 472.68
   LOCATION L0000041     VOLUME   474227.843 3752940.992 472.63
   LOCATION L0000042     VOLUME   474227.432 3752949.573 472.60
   LOCATION L0000043     VOLUME   474227.021 3752958.153 472.57
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Alessandro Boulevard B/n Day Street and I-215 Ramps
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 5.111E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 8
** 474226.366, 3752966.059, 472.63, 3.49, 4.00
** 474226.366, 3752981.067, 472.63, 3.49, 4.00
** 474115.948, 3752980.353, 470.77, 3.49, 4.00
** 473968.723, 3752979.638, 470.51, 3.49, 4.00
** 473851.873, 3752976.422, 468.90, 3.49, 4.00
** 473505.966, 3752974.992, 467.57, 3.49, 4.00
** 473487.027, 3752966.774, 468.73, 3.49, 4.00
** 473436.642, 3752966.774, 464.41, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000418     VOLUME   474226.366 3752970.354 472.53
   LOCATION L0000419     VOLUME   474226.366 3752978.944 472.50
   LOCATION L0000420     VOLUME   474219.900 3752981.025 472.40
   LOCATION L0000421     VOLUME   474211.310 3752980.970 472.26
   LOCATION L0000422     VOLUME   474202.720 3752980.914 472.08
   LOCATION L0000423     VOLUME   474194.130 3752980.859 471.86
   LOCATION L0000424     VOLUME   474185.541 3752980.803 471.64
   LOCATION L0000425     VOLUME   474176.951 3752980.747 471.47
   LOCATION L0000426     VOLUME   474168.361 3752980.692 471.33
   LOCATION L0000427     VOLUME   474159.771 3752980.636 471.19
   LOCATION L0000428     VOLUME   474151.181 3752980.581 471.10
   LOCATION L0000429     VOLUME   474142.591 3752980.525 471.06
   LOCATION L0000430     VOLUME   474134.002 3752980.469 471.01
   LOCATION L0000431     VOLUME   474125.412 3752980.414 470.96
   LOCATION L0000432     VOLUME   474116.822 3752980.358 470.91
   LOCATION L0000433     VOLUME   474108.232 3752980.315 470.85
   LOCATION L0000434     VOLUME   474099.642 3752980.273 470.75
   LOCATION L0000435     VOLUME   474091.052 3752980.232 470.61
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LOCATION L0000436     VOLUME   474082.462 3752980.190 470.48
LOCATION L0000437     VOLUME   474073.872 3752980.148 470.42
LOCATION L0000438     VOLUME   474065.283 3752980.107 470.41
LOCATION L0000439     VOLUME   474056.693 3752980.065 470.41
LOCATION L0000440     VOLUME   474048.103 3752980.023 470.47
LOCATION L0000441     VOLUME   474039.513 3752979.981 470.57
LOCATION L0000442     VOLUME   474030.923 3752979.940 470.68
LOCATION L0000443     VOLUME   474022.333 3752979.898 470.69
LOCATION L0000444     VOLUME   474013.743 3752979.856 470.64
LOCATION L0000445     VOLUME   474005.153 3752979.815 470.59
LOCATION L0000446     VOLUME   473996.563 3752979.773 470.55
LOCATION L0000447     VOLUME   473987.973 3752979.731 470.52
LOCATION L0000448     VOLUME   473979.384 3752979.690 470.49
LOCATION L0000449     VOLUME   473970.794 3752979.648 470.45
LOCATION L0000450     VOLUME   473962.206 3752979.458 470.41
LOCATION L0000451     VOLUME   473953.619 3752979.222 470.37
LOCATION L0000452     VOLUME   473945.033 3752978.986 470.25
LOCATION L0000453     VOLUME   473936.446 3752978.749 470.09
LOCATION L0000454     VOLUME   473927.859 3752978.513 469.94
LOCATION L0000455     VOLUME   473919.272 3752978.277 469.75
LOCATION L0000456     VOLUME   473910.686 3752978.040 469.54
LOCATION L0000457     VOLUME   473902.099 3752977.804 469.33
LOCATION L0000458     VOLUME   473893.512 3752977.568 469.19
LOCATION L0000459     VOLUME   473884.925 3752977.331 469.09
LOCATION L0000460     VOLUME   473876.339 3752977.095 468.99
LOCATION L0000461     VOLUME   473867.752 3752976.859 468.90
LOCATION L0000462     VOLUME   473859.165 3752976.622 468.83
LOCATION L0000463     VOLUME   473850.578 3752976.416 468.76
LOCATION L0000464     VOLUME   473841.988 3752976.381 468.71
LOCATION L0000465     VOLUME   473833.398 3752976.345 468.66
LOCATION L0000466     VOLUME   473824.808 3752976.310 468.62
LOCATION L0000467     VOLUME   473816.218 3752976.274 468.62
LOCATION L0000468     VOLUME   473807.628 3752976.239 468.66
LOCATION L0000469     VOLUME   473799.038 3752976.203 468.69
LOCATION L0000470     VOLUME   473790.448 3752976.168 468.82
LOCATION L0000471     VOLUME   473781.859 3752976.132 468.99
LOCATION L0000472     VOLUME   473773.269 3752976.097 469.16
LOCATION L0000473     VOLUME   473764.679 3752976.061 469.27
LOCATION L0000474     VOLUME   473756.089 3752976.026 469.34
LOCATION L0000475     VOLUME   473747.499 3752975.990 469.42
LOCATION L0000476     VOLUME   473738.909 3752975.955 469.43
LOCATION L0000477     VOLUME   473730.319 3752975.919 469.41
LOCATION L0000478     VOLUME   473721.729 3752975.884 469.39
LOCATION L0000479     VOLUME   473713.139 3752975.848 469.34
LOCATION L0000480     VOLUME   473704.549 3752975.813 469.28
LOCATION L0000481     VOLUME   473695.959 3752975.777 469.22
LOCATION L0000482     VOLUME   473687.369 3752975.742 469.13
LOCATION L0000483     VOLUME   473678.779 3752975.706 469.03
LOCATION L0000484     VOLUME   473670.190 3752975.671 468.93
LOCATION L0000485     VOLUME   473661.600 3752975.636 468.79
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   LOCATION L0000486     VOLUME   473653.010 3752975.600 468.63
   LOCATION L0000487     VOLUME   473644.420 3752975.565 468.47
   LOCATION L0000488     VOLUME   473635.830 3752975.529 468.35
   LOCATION L0000489     VOLUME   473627.240 3752975.494 468.23
   LOCATION L0000490     VOLUME   473618.650 3752975.458 468.12
   LOCATION L0000491     VOLUME   473610.060 3752975.423 468.04
   LOCATION L0000492     VOLUME   473601.470 3752975.387 467.97
   LOCATION L0000493     VOLUME   473592.880 3752975.352 467.90
   LOCATION L0000494     VOLUME   473584.290 3752975.316 467.86
   LOCATION L0000495     VOLUME   473575.700 3752975.281 467.84
   LOCATION L0000496     VOLUME   473567.110 3752975.245 467.82
   LOCATION L0000497     VOLUME   473558.520 3752975.210 467.77
   LOCATION L0000498     VOLUME   473549.931 3752975.174 467.73
   LOCATION L0000499     VOLUME   473541.341 3752975.139 467.68
   LOCATION L0000500     VOLUME   473532.751 3752975.103 467.64
   LOCATION L0000501     VOLUME   473524.161 3752975.068 467.59
   LOCATION L0000502     VOLUME   473515.571 3752975.032 467.55
   LOCATION L0000503     VOLUME   473506.981 3752974.997 467.76
   LOCATION L0000504     VOLUME   473499.017 3752971.977 468.19
   LOCATION L0000505     VOLUME   473491.137 3752968.557 468.65
   LOCATION L0000506     VOLUME   473482.917 3752966.774 468.71
   LOCATION L0000507     VOLUME   473474.327 3752966.774 468.65
   LOCATION L0000508     VOLUME   473465.737 3752966.774 468.58
   LOCATION L0000509     VOLUME   473457.147 3752966.774 467.66
   LOCATION L0000510     VOLUME   473448.557 3752966.774 466.25
   LOCATION L0000511     VOLUME   473439.967 3752966.774 464.84
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Drive Aisle
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 6.805E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 474231.386, 3752593.404, 473.05, 3.49, 3.95
** 474386.054, 3752593.825, 472.59, 3.49, 3.95
** 474382.692, 3752757.739, 473.21, 3.49, 3.95
** 474233.067, 3752756.058, 473.39, 3.49, 3.95
** ----------------------------------------------------------------------
   LOCATION L0000347     VOLUME   474235.636 3752593.416 472.99
   LOCATION L0000348     VOLUME   474244.136 3752593.439 472.87
   LOCATION L0000349     VOLUME   474252.636 3752593.462 472.74
   LOCATION L0000350     VOLUME   474261.136 3752593.485 472.65
   LOCATION L0000351     VOLUME   474269.636 3752593.508 472.59
   LOCATION L0000352     VOLUME   474278.136 3752593.531 472.54
   LOCATION L0000353     VOLUME   474286.636 3752593.554 472.50
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   LOCATION L0000354     VOLUME   474295.135 3752593.578 472.48
   LOCATION L0000355     VOLUME   474303.635 3752593.601 472.45
   LOCATION L0000356     VOLUME   474312.135 3752593.624 472.44
   LOCATION L0000357     VOLUME   474320.635 3752593.647 472.46
   LOCATION L0000358     VOLUME   474329.135 3752593.670 472.47
   LOCATION L0000359     VOLUME   474337.635 3752593.693 472.49
   LOCATION L0000360     VOLUME   474346.135 3752593.716 472.51
   LOCATION L0000361     VOLUME   474354.635 3752593.739 472.53
   LOCATION L0000362     VOLUME   474363.135 3752593.762 472.54
   LOCATION L0000363     VOLUME   474371.635 3752593.785 472.54
   LOCATION L0000364     VOLUME   474380.135 3752593.809 472.55
   LOCATION L0000365     VOLUME   474386.001 3752596.405 472.59
   LOCATION L0000366     VOLUME   474385.827 3752604.903 472.63
   LOCATION L0000367     VOLUME   474385.652 3752613.402 472.67
   LOCATION L0000368     VOLUME   474385.478 3752621.900 472.71
   LOCATION L0000369     VOLUME   474385.304 3752630.398 472.74
   LOCATION L0000370     VOLUME   474385.129 3752638.896 472.77
   LOCATION L0000371     VOLUME   474384.955 3752647.394 472.79
   LOCATION L0000372     VOLUME   474384.781 3752655.893 472.82
   LOCATION L0000373     VOLUME   474384.606 3752664.391 472.84
   LOCATION L0000374     VOLUME   474384.432 3752672.889 472.85
   LOCATION L0000375     VOLUME   474384.258 3752681.387 472.86
   LOCATION L0000376     VOLUME   474384.083 3752689.886 472.88
   LOCATION L0000377     VOLUME   474383.909 3752698.384 472.87
   LOCATION L0000378     VOLUME   474383.735 3752706.882 472.86
   LOCATION L0000379     VOLUME   474383.561 3752715.380 472.85
   LOCATION L0000380     VOLUME   474383.386 3752723.878 472.88
   LOCATION L0000381     VOLUME   474383.212 3752732.377 472.96
   LOCATION L0000382     VOLUME   474383.038 3752740.875 473.04
   LOCATION L0000383     VOLUME   474382.863 3752749.373 473.12
   LOCATION L0000384     VOLUME   474382.560 3752757.738 473.35
   LOCATION L0000385     VOLUME   474374.060 3752757.642 473.37
   LOCATION L0000386     VOLUME   474365.561 3752757.547 473.39
   LOCATION L0000387     VOLUME   474357.061 3752757.451 473.41
   LOCATION L0000388     VOLUME   474348.562 3752757.356 473.42
   LOCATION L0000389     VOLUME   474340.062 3752757.260 473.43
   LOCATION L0000390     VOLUME   474331.563 3752757.165 473.44
   LOCATION L0000391     VOLUME   474323.063 3752757.069 473.43
   LOCATION L0000392     VOLUME   474314.564 3752756.974 473.42
   LOCATION L0000393     VOLUME   474306.065 3752756.878 473.40
   LOCATION L0000394     VOLUME   474297.565 3752756.783 473.37
   LOCATION L0000395     VOLUME   474289.066 3752756.687 473.34
   LOCATION L0000396     VOLUME   474280.566 3752756.592 473.32
   LOCATION L0000397     VOLUME   474272.067 3752756.496 473.33
   LOCATION L0000398     VOLUME   474263.567 3752756.401 473.34
   LOCATION L0000399     VOLUME   474255.068 3752756.305 473.36
   LOCATION L0000400     VOLUME   474246.568 3752756.210 473.37
   LOCATION L0000401     VOLUME   474238.069 3752756.114 473.39
** End of LINE VOLUME Source ID = SLINE4
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Loading Area
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00004298
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 474350.664, 3752734.137, 473.14, 3.49, 4.00
** 474352.676, 3752621.671, 473.01, 3.49, 4.00
** ------------------------------------------------------------------
   LOCATION L0000827     VOLUME   474350.740 3752729.843 473.06
   LOCATION L0000828     VOLUME   474350.894 3752721.254 473.00
   LOCATION L0000829     VOLUME   474351.048 3752712.666 473.04
   LOCATION L0000830     VOLUME   474351.201 3752704.077 473.10
   LOCATION L0000831     VOLUME   474351.355 3752695.488 473.15
   LOCATION L0000832     VOLUME   474351.509 3752686.900 473.19
   LOCATION L0000833     VOLUME   474351.662 3752678.311 473.20
   LOCATION L0000834     VOLUME   474351.816 3752669.723 473.21
   LOCATION L0000835     VOLUME   474351.970 3752661.134 473.22
   LOCATION L0000836     VOLUME   474352.123 3752652.545 473.20
   LOCATION L0000837     VOLUME   474352.277 3752643.957 473.16
   LOCATION L0000838     VOLUME   474352.431 3752635.368 473.12
   LOCATION L0000839     VOLUME   474352.584 3752626.779 473.08
** End of LINE VOLUME Source ID = SLINE5
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000765     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000766     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000767     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000768     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000769     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000770     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000771     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000772     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000773     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000774     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000775     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000776     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000777     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000778     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000779     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000780     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000781     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000782     0.00000003881      3.49      4.00      3.25
   SRCPARAM L0000783     0.00000003881      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
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   SRCPARAM L0000020     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000021     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000022     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000023     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000024     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000025     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000026     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000027     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000028     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000029     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000030     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000031     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000032     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000033     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000034     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000035     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000036     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000037     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000038     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000039     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000040     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000041     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000042     0.00000007775      3.49      4.00      3.25
   SRCPARAM L0000043     0.00000007775      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000418     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000419     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000420     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000421     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000422     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000423     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000424     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000425     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000426     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000427     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000428     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000429     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000430     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000431     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000432     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000433     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000434     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000435     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000436     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000437     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000438     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000439     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000440     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000441     0.00000005437      3.49      4.00      3.25
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SRCPARAM L0000442     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000443     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000444     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000445     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000446     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000447     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000448     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000449     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000450     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000451     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000452     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000453     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000454     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000455     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000456     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000457     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000458     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000459     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000460     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000461     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000462     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000463     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000464     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000465     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000466     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000467     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000468     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000469     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000470     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000471     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000472     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000473     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000474     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000475     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000476     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000477     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000478     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000479     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000480     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000481     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000482     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000483     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000484     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000485     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000486     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000487     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000488     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000489     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000490     0.00000005437      3.49      4.00      3.25
SRCPARAM L0000491     0.00000005437      3.49      4.00      3.25
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   SRCPARAM L0000492     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000493     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000494     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000495     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000496     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000497     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000498     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000499     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000500     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000501     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000502     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000503     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000504     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000505     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000506     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000507     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000508     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000509     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000510     0.00000005437      3.49      4.00      3.25
   SRCPARAM L0000511     0.00000005437      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000347     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000348     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000349     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000350     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000351     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000352     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000353     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000354     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000355     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000356     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000357     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000358     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000359     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000360     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000361     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000362     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000363     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000364     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000365     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000366     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000367     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000368     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000369     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000370     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000371     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000372     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000373     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000374     0.0000001237      3.49      3.95      3.25
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   SRCPARAM L0000375     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000376     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000377     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000378     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000379     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000380     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000381     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000382     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000383     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000384     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000385     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000386     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000387     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000388     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000389     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000390     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000391     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000392     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000393     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000394     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000395     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000396     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000397     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000398     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000399     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000400     0.0000001237      3.49      3.95      3.25
   SRCPARAM L0000401     0.0000001237      3.49      3.95      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0000827     0.000003306      3.49      4.00      3.25
   SRCPARAM L0000828     0.000003306      3.49      4.00      3.25
   SRCPARAM L0000829     0.000003306      3.49      4.00      3.25
   SRCPARAM L0000830     0.000003306      3.49      4.00      3.25
   SRCPARAM L0000831     0.000003306      3.49      4.00      3.25
   SRCPARAM L0000832     0.000003306      3.49      4.00      3.25
   SRCPARAM L0000833     0.000003306      3.49      4.00      3.25
   SRCPARAM L0000834     0.000003306      3.49      4.00      3.25
   SRCPARAM L0000835     0.000003306      3.49      4.00      3.25
   SRCPARAM L0000836     0.000003306      3.49      4.00      3.25
   SRCPARAM L0000837     0.000003306      3.49      4.00      3.25
   SRCPARAM L0000838     0.000003306      3.49      4.00      3.25
   SRCPARAM L0000839     0.000003306      3.49      4.00      3.25
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
```

```
**
RE STARTING
   INCLUDED ProjAB1.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "..\..\Desktop\_HRA_MET and TOPO data\PERI_V9_ADJU\PERI_v9.SFC"
   PROFFILE "..\..\Desktop\_HRA_MET and TOPO data\PERI_V9_ADJU\PERI_v9.PFL"
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL PROJAB1.AD\PE00GALL.PLT 31
   SUMMFILE ProjAB1.sum
OU FINISHED

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

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

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


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

    ********   WARNING MESSAGES   ********
 ME W186     569       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     569       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for   205 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   2189641.0 ; Urban Roughness Length = 1.000 m

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

**Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates PERIOD Averages Only

**This Run Includes: 205 Source(s);   1 Source Group(s); and   784 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 205 VOLUME source(s)
                and: 0 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

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

**The AERMET Input Meteorological Data Version Date:  16216

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   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 =      3.7 MB of RAM.

**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out

**Detailed Error/Message File:   ProjAB1.err
**File for Summary of Results:   ProjAB1.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000765	0	0.38810E-07	474227.5	3752594.4	473.0	3.49	4.00	3.25	YES	
L0000766	0	0.38810E-07	474227.6	3752603.0	473.1	3.49	4.00	3.25	YES	
L0000767	0	0.38810E-07	474227.6	3752611.6	473.1	3.49	4.00	3.25	YES	
L0000768	0	0.38810E-07	474227.6	3752620.1	473.2	3.49	4.00	3.25	YES	
L0000769	0	0.38810E-07	474227.6	3752628.7	473.2	3.49	4.00	3.25	YES	
L0000770	0	0.38810E-07	474227.7	3752637.3	473.2	3.49	4.00	3.25	YES	
L0000771	0	0.38810E-07	474227.7	3752645.9	473.3	3.49	4.00	3.25	YES	
L0000772	0	0.38810E-07	474227.7	3752654.5	473.3	3.49	4.00	3.25	YES	
L0000773	0	0.38810E-07	474227.8	3752663.1	473.3	3.49	4.00	3.25	YES	
L0000774	0	0.38810E-07	474227.8	3752671.7	473.4	3.49	4.00	3.25	YES	
L0000775	0	0.38810E-07	474227.8	3752680.3	473.4	3.49	4.00	3.25	YES	
L0000776	0	0.38810E-07	474227.9	3752688.9	473.4	3.49	4.00	3.25	YES	
L0000777	0	0.38810E-07	474227.9	3752697.5	473.4	3.49	4.00	3.25	YES	
L0000778	0	0.38810E-07	474227.9	3752706.0	473.4	3.49	4.00	3.25	YES	
L0000779	0	0.38810E-07	474227.9	3752714.6	473.4	3.49	4.00	3.25	YES	
L0000780	0	0.38810E-07	474228.0	3752723.2	473.4	3.49	4.00	3.25	YES	
L0000781	0	0.38810E-07	474228.0	3752731.8	473.4	3.49	4.00	3.25	YES	
L0000782	0	0.38810E-07	474228.0	3752740.4	473.3	3.49	4.00	3.25	YES	
L0000783	0	0.38810E-07	474228.1	3752749.0	473.3	3.49	4.00	3.25	YES	
L0000020	0	0.77750E-07	474227.3	3752760.7	473.1	3.49	4.00	3.25	YES	
L0000021	0	0.77750E-07	474227.4	3752769.2	473.1	3.49	4.00	3.25	YES	
L0000022	0	0.77750E-07	474227.6	3752777.8	473.0	3.49	4.00	3.25	YES	
L0000023	0	0.77750E-07	474227.7	3752786.4	473.0	3.49	4.00	3.25	YES	
L0000024	0	0.77750E-07	474227.9	3752795.0	473.0	3.49	4.00	3.25	YES	
L0000025	0	0.77750E-07	474228.0	3752803.6	472.9	3.49	4.00	3.25	YES	
L0000026	0	0.77750E-07	474228.1	3752812.2	472.9	3.49	4.00	3.25	YES	
L0000027	0	0.77750E-07	474228.2	3752820.8	472.9	3.49	4.00	3.25	YES	
L0000028	0	0.77750E-07	474228.4	3752829.4	473.0	3.49	4.00	3.25	YES	
L0000029	0	0.77750E-07	474228.5	3752838.0	473.0	3.49	4.00	3.25	YES	
L0000030	0	0.77750E-07	474228.6	3752846.5	473.0	3.49	4.00	3.25	YES	
L0000031	0	0.77750E-07	474228.7	3752855.1	473.0	3.49	4.00	3.25	YES	
L0000032	0	0.77750E-07	474228.8	3752863.7	473.0	3.49	4.00	3.25	YES	
L0000033	0	0.77750E-07	474228.9	3752872.3	473.1	3.49	4.00	3.25	YES	
L0000034	0	0.77750E-07	474229.0	3752880.9	473.0	3.49	4.00	3.25	YES	
L0000035	0	0.77750E-07	474229.1	3752889.5	473.0	3.49	4.00	3.25	YES	
L0000036	0	0.77750E-07	474229.2	3752898.1	473.0	3.49	4.00	3.25	YES	
L0000037	0	0.77750E-07	474229.3	3752906.7	472.9	3.49	4.00	3.25	YES	
L0000038	0	0.77750E-07	474229.1	3752915.3	472.9	3.49	4.00	3.25	YES	
L0000039	0	0.77750E-07	474228.7	3752923.8	472.8	3.49	4.00	3.25	YES	
L0000040	0	0.77750E-07	474228.3	3752932.4	472.7	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000041	0	0.77750E-07	474227.8	3752941.0	472.6	3.49	4.00	3.25	YES	
L0000042	0	0.77750E-07	474227.4	3752949.6	472.6	3.49	4.00	3.25	YES	
L0000043	0	0.77750E-07	474227.0	3752958.2	472.6	3.49	4.00	3.25	YES	
L0000418	0	0.54370E-07	474226.4	3752970.4	472.5	3.49	4.00	3.25	YES	
L0000419	0	0.54370E-07	474226.4	3752978.9	472.5	3.49	4.00	3.25	YES	
L0000420	0	0.54370E-07	474219.9	3752981.0	472.4	3.49	4.00	3.25	YES	
L0000421	0	0.54370E-07	474211.3	3752981.0	472.3	3.49	4.00	3.25	YES	
L0000422	0	0.54370E-07	474202.7	3752980.9	472.1	3.49	4.00	3.25	YES	
L0000423	0	0.54370E-07	474194.1	3752980.9	471.9	3.49	4.00	3.25	YES	
L0000424	0	0.54370E-07	474185.5	3752980.8	471.6	3.49	4.00	3.25	YES	
L0000425	0	0.54370E-07	474177.0	3752980.7	471.5	3.49	4.00	3.25	YES	
L0000426	0	0.54370E-07	474168.4	3752980.7	471.3	3.49	4.00	3.25	YES	
L0000427	0	0.54370E-07	474159.8	3752980.6	471.2	3.49	4.00	3.25	YES	
L0000428	0	0.54370E-07	474151.2	3752980.6	471.1	3.49	4.00	3.25	YES	
L0000429	0	0.54370E-07	474142.6	3752980.5	471.1	3.49	4.00	3.25	YES	
L0000430	0	0.54370E-07	474134.0	3752980.5	471.0	3.49	4.00	3.25	YES	
L0000431	0	0.54370E-07	474125.4	3752980.4	471.0	3.49	4.00	3.25	YES	
L0000432	0	0.54370E-07	474116.8	3752980.4	470.9	3.49	4.00	3.25	YES	
L0000433	0	0.54370E-07	474108.2	3752980.3	470.9	3.49	4.00	3.25	YES	
L0000434	0	0.54370E-07	474099.6	3752980.3	470.8	3.49	4.00	3.25	YES	
L0000435	0	0.54370E-07	474091.1	3752980.2	470.6	3.49	4.00	3.25	YES	
L0000436	0	0.54370E-07	474082.5	3752980.2	470.5	3.49	4.00	3.25	YES	
L0000437	0	0.54370E-07	474073.9	3752980.1	470.4	3.49	4.00	3.25	YES	
L0000438	0	0.54370E-07	474065.3	3752980.1	470.4	3.49	4.00	3.25	YES	
L0000439	0	0.54370E-07	474056.7	3752980.1	470.4	3.49	4.00	3.25	YES	
L0000440	0	0.54370E-07	474048.1	3752980.0	470.5	3.49	4.00	3.25	YES	
L0000441	0	0.54370E-07	474039.5	3752980.0	470.6	3.49	4.00	3.25	YES	
L0000442	0	0.54370E-07	474030.9	3752979.9	470.7	3.49	4.00	3.25	YES	
L0000443	0	0.54370E-07	474022.3	3752979.9	470.7	3.49	4.00	3.25	YES	
L0000444	0	0.54370E-07	474013.7	3752979.9	470.6	3.49	4.00	3.25	YES	
L0000445	0	0.54370E-07	474005.2	3752979.8	470.6	3.49	4.00	3.25	YES	
L0000446	0	0.54370E-07	473996.6	3752979.8	470.6	3.49	4.00	3.25	YES	
L0000447	0	0.54370E-07	473988.0	3752979.7	470.5	3.49	4.00	3.25	YES	
L0000448	0	0.54370E-07	473979.4	3752979.7	470.5	3.49	4.00	3.25	YES	
L0000449	0	0.54370E-07	473970.8	3752979.6	470.4	3.49	4.00	3.25	YES	
L0000450	0	0.54370E-07	473962.2	3752979.5	470.4	3.49	4.00	3.25	YES	
L0000451	0	0.54370E-07	473953.6	3752979.2	470.4	3.49	4.00	3.25	YES	
L0000452	0	0.54370E-07	473945.0	3752979.0	470.2	3.49	4.00	3.25	YES	
L0000453	0	0.54370E-07	473936.4	3752978.7	470.1	3.49	4.00	3.25	YES	
L0000454	0	0.54370E-07	473927.9	3752978.5	469.9	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000455	0	0.54370E-07	473919.3	3752978.3	469.8	3.49	4.00	3.25	YES	
L0000456	0	0.54370E-07	473910.7	3752978.0	469.5	3.49	4.00	3.25	YES	
L0000457	0	0.54370E-07	473902.1	3752977.8	469.3	3.49	4.00	3.25	YES	
L0000458	0	0.54370E-07	473893.5	3752977.6	469.2	3.49	4.00	3.25	YES	
L0000459	0	0.54370E-07	473884.9	3752977.3	469.1	3.49	4.00	3.25	YES	
L0000460	0	0.54370E-07	473876.3	3752977.1	469.0	3.49	4.00	3.25	YES	
L0000461	0	0.54370E-07	473867.8	3752976.9	468.9	3.49	4.00	3.25	YES	
L0000462	0	0.54370E-07	473859.2	3752976.6	468.8	3.49	4.00	3.25	YES	
L0000463	0	0.54370E-07	473850.6	3752976.4	468.8	3.49	4.00	3.25	YES	
L0000464	0	0.54370E-07	473842.0	3752976.4	468.7	3.49	4.00	3.25	YES	
L0000465	0	0.54370E-07	473833.4	3752976.3	468.7	3.49	4.00	3.25	YES	
L0000466	0	0.54370E-07	473824.8	3752976.3	468.6	3.49	4.00	3.25	YES	
L0000467	0	0.54370E-07	473816.2	3752976.3	468.6	3.49	4.00	3.25	YES	
L0000468	0	0.54370E-07	473807.6	3752976.2	468.7	3.49	4.00	3.25	YES	
L0000469	0	0.54370E-07	473799.0	3752976.2	468.7	3.49	4.00	3.25	YES	
L0000470	0	0.54370E-07	473790.4	3752976.2	468.8	3.49	4.00	3.25	YES	
L0000471	0	0.54370E-07	473781.9	3752976.1	469.0	3.49	4.00	3.25	YES	
L0000472	0	0.54370E-07	473773.3	3752976.1	469.2	3.49	4.00	3.25	YES	
L0000473	0	0.54370E-07	473764.7	3752976.1	469.3	3.49	4.00	3.25	YES	
L0000474	0	0.54370E-07	473756.1	3752976.0	469.3	3.49	4.00	3.25	YES	
L0000475	0	0.54370E-07	473747.5	3752976.0	469.4	3.49	4.00	3.25	YES	
L0000476	0	0.54370E-07	473738.9	3752976.0	469.4	3.49	4.00	3.25	YES	
L0000477	0	0.54370E-07	473730.3	3752975.9	469.4	3.49	4.00	3.25	YES	
L0000478	0	0.54370E-07	473721.7	3752975.9	469.4	3.49	4.00	3.25	YES	
L0000479	0	0.54370E-07	473713.1	3752975.8	469.3	3.49	4.00	3.25	YES	
L0000480	0	0.54370E-07	473704.5	3752975.8	469.3	3.49	4.00	3.25	YES	
L0000481	0	0.54370E-07	473696.0	3752975.8	469.2	3.49	4.00	3.25	YES	
L0000482	0	0.54370E-07	473687.4	3752975.7	469.1	3.49	4.00	3.25	YES	
L0000483	0	0.54370E-07	473678.8	3752975.7	469.0	3.49	4.00	3.25	YES	
L0000484	0	0.54370E-07	473670.2	3752975.7	468.9	3.49	4.00	3.25	YES	
L0000485	0	0.54370E-07	473661.6	3752975.6	468.8	3.49	4.00	3.25	YES	
L0000486	0	0.54370E-07	473653.0	3752975.6	468.6	3.49	4.00	3.25	YES	
L0000487	0	0.54370E-07	473644.4	3752975.6	468.5	3.49	4.00	3.25	YES	
L0000488	0	0.54370E-07	473635.8	3752975.5	468.4	3.49	4.00	3.25	YES	
L0000489	0	0.54370E-07	473627.2	3752975.5	468.2	3.49	4.00	3.25	YES	
L0000490	0	0.54370E-07	473618.6	3752975.5	468.1	3.49	4.00	3.25	YES	
L0000491	0	0.54370E-07	473610.1	3752975.4	468.0	3.49	4.00	3.25	YES	
L0000492	0	0.54370E-07	473601.5	3752975.4	468.0	3.49	4.00	3.25	YES	
L0000493	0	0.54370E-07	473592.9	3752975.4	467.9	3.49	4.00	3.25	YES	
L0000494	0	0.54370E-07	473584.3	3752975.3	467.9	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000495	0	0.54370E-07	473575.7	3752975.3	467.8	3.49	4.00	3.25	YES	
L0000496	0	0.54370E-07	473567.1	3752975.2	467.8	3.49	4.00	3.25	YES	
L0000497	0	0.54370E-07	473558.5	3752975.2	467.8	3.49	4.00	3.25	YES	
L0000498	0	0.54370E-07	473549.9	3752975.2	467.7	3.49	4.00	3.25	YES	
L0000499	0	0.54370E-07	473541.3	3752975.1	467.7	3.49	4.00	3.25	YES	
L0000500	0	0.54370E-07	473532.8	3752975.1	467.6	3.49	4.00	3.25	YES	
L0000501	0	0.54370E-07	473524.2	3752975.1	467.6	3.49	4.00	3.25	YES	
L0000502	0	0.54370E-07	473515.6	3752975.0	467.6	3.49	4.00	3.25	YES	
L0000503	0	0.54370E-07	473507.0	3752975.0	467.8	3.49	4.00	3.25	YES	
L0000504	0	0.54370E-07	473499.0	3752972.0	468.2	3.49	4.00	3.25	YES	
L0000505	0	0.54370E-07	473491.1	3752968.6	468.7	3.49	4.00	3.25	YES	
L0000506	0	0.54370E-07	473482.9	3752966.8	468.7	3.49	4.00	3.25	YES	
L0000507	0	0.54370E-07	473474.3	3752966.8	468.7	3.49	4.00	3.25	YES	
L0000508	0	0.54370E-07	473465.7	3752966.8	468.6	3.49	4.00	3.25	YES	
L0000509	0	0.54370E-07	473457.1	3752966.8	467.7	3.49	4.00	3.25	YES	
L0000510	0	0.54370E-07	473448.6	3752966.8	466.2	3.49	4.00	3.25	YES	
L0000511	0	0.54370E-07	473440.0	3752966.8	464.8	3.49	4.00	3.25	YES	
L0000347	0	0.12370E-06	474235.6	3752593.4	473.0	3.49	3.95	3.25	YES	
L0000348	0	0.12370E-06	474244.1	3752593.4	472.9	3.49	3.95	3.25	YES	
L0000349	0	0.12370E-06	474252.6	3752593.5	472.7	3.49	3.95	3.25	YES	
L0000350	0	0.12370E-06	474261.1	3752593.5	472.7	3.49	3.95	3.25	YES	
L0000351	0	0.12370E-06	474269.6	3752593.5	472.6	3.49	3.95	3.25	YES	
L0000352	0	0.12370E-06	474278.1	3752593.5	472.5	3.49	3.95	3.25	YES	
L0000353	0	0.12370E-06	474286.6	3752593.6	472.5	3.49	3.95	3.25	YES	
L0000354	0	0.12370E-06	474295.1	3752593.6	472.5	3.49	3.95	3.25	YES	
L0000355	0	0.12370E-06	474303.6	3752593.6	472.4	3.49	3.95	3.25	YES	
L0000356	0	0.12370E-06	474312.1	3752593.6	472.4	3.49	3.95	3.25	YES	
L0000357	0	0.12370E-06	474320.6	3752593.6	472.5	3.49	3.95	3.25	YES	
L0000358	0	0.12370E-06	474329.1	3752593.7	472.5	3.49	3.95	3.25	YES	
L0000359	0	0.12370E-06	474337.6	3752593.7	472.5	3.49	3.95	3.25	YES	
L0000360	0	0.12370E-06	474346.1	3752593.7	472.5	3.49	3.95	3.25	YES	
L0000361	0	0.12370E-06	474354.6	3752593.7	472.5	3.49	3.95	3.25	YES	
L0000362	0	0.12370E-06	474363.1	3752593.8	472.5	3.49	3.95	3.25	YES	
L0000363	0	0.12370E-06	474371.6	3752593.8	472.5	3.49	3.95	3.25	YES	
L0000364	0	0.12370E-06	474380.1	3752593.8	472.6	3.49	3.95	3.25	YES	
L0000365	0	0.12370E-06	474386.0	3752596.4	472.6	3.49	3.95	3.25	YES	
L0000366	0	0.12370E-06	474385.8	3752604.9	472.6	3.49	3.95	3.25	YES	
L0000367	0	0.12370E-06	474385.7	3752613.4	472.7	3.49	3.95	3.25	YES	
L0000368	0	0.12370E-06	474385.5	3752621.9	472.7	3.49	3.95	3.25	YES	
L0000369	0	0.12370E-06	474385.3	3752630.4	472.7	3.49	3.95	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000370	0	0.12370E-06	474385.1	3752638.9	472.8	3.49	3.95	3.25	YES	
L0000371	0	0.12370E-06	474385.0	3752647.4	472.8	3.49	3.95	3.25	YES	
L0000372	0	0.12370E-06	474384.8	3752655.9	472.8	3.49	3.95	3.25	YES	
L0000373	0	0.12370E-06	474384.6	3752664.4	472.8	3.49	3.95	3.25	YES	
L0000374	0	0.12370E-06	474384.4	3752672.9	472.9	3.49	3.95	3.25	YES	
L0000375	0	0.12370E-06	474384.3	3752681.4	472.9	3.49	3.95	3.25	YES	
L0000376	0	0.12370E-06	474384.1	3752689.9	472.9	3.49	3.95	3.25	YES	
L0000377	0	0.12370E-06	474383.9	3752698.4	472.9	3.49	3.95	3.25	YES	
L0000378	0	0.12370E-06	474383.7	3752706.9	472.9	3.49	3.95	3.25	YES	
L0000379	0	0.12370E-06	474383.6	3752715.4	472.9	3.49	3.95	3.25	YES	
L0000380	0	0.12370E-06	474383.4	3752723.9	472.9	3.49	3.95	3.25	YES	
L0000381	0	0.12370E-06	474383.2	3752732.4	473.0	3.49	3.95	3.25	YES	
L0000382	0	0.12370E-06	474383.0	3752740.9	473.0	3.49	3.95	3.25	YES	
L0000383	0	0.12370E-06	474382.9	3752749.4	473.1	3.49	3.95	3.25	YES	
L0000384	0	0.12370E-06	474382.6	3752757.7	473.4	3.49	3.95	3.25	YES	
L0000385	0	0.12370E-06	474374.1	3752757.6	473.4	3.49	3.95	3.25	YES	
L0000386	0	0.12370E-06	474365.6	3752757.5	473.4	3.49	3.95	3.25	YES	
L0000387	0	0.12370E-06	474357.1	3752757.5	473.4	3.49	3.95	3.25	YES	
L0000388	0	0.12370E-06	474348.6	3752757.4	473.4	3.49	3.95	3.25	YES	
L0000389	0	0.12370E-06	474340.1	3752757.3	473.4	3.49	3.95	3.25	YES	
L0000390	0	0.12370E-06	474331.6	3752757.2	473.4	3.49	3.95	3.25	YES	
L0000391	0	0.12370E-06	474323.1	3752757.1	473.4	3.49	3.95	3.25	YES	
L0000392	0	0.12370E-06	474314.6	3752757.0	473.4	3.49	3.95	3.25	YES	
L0000393	0	0.12370E-06	474306.1	3752756.9	473.4	3.49	3.95	3.25	YES	
L0000394	0	0.12370E-06	474297.6	3752756.8	473.4	3.49	3.95	3.25	YES	
L0000395	0	0.12370E-06	474289.1	3752756.7	473.3	3.49	3.95	3.25	YES	
L0000396	0	0.12370E-06	474280.6	3752756.6	473.3	3.49	3.95	3.25	YES	
L0000397	0	0.12370E-06	474272.1	3752756.5	473.3	3.49	3.95	3.25	YES	
L0000398	0	0.12370E-06	474263.6	3752756.4	473.3	3.49	3.95	3.25	YES	
L0000399	0	0.12370E-06	474255.1	3752756.3	473.4	3.49	3.95	3.25	YES	
L0000400	0	0.12370E-06	474246.6	3752756.2	473.4	3.49	3.95	3.25	YES	
L0000401	0	0.12370E-06	474238.1	3752756.1	473.4	3.49	3.95	3.25	YES	
L0000827	0	0.33060E-05	474350.7	3752729.8	473.1	3.49	4.00	3.25	YES	
L0000828	0	0.33060E-05	474350.9	3752721.3	473.0	3.49	4.00	3.25	YES	
L0000829	0	0.33060E-05	474351.0	3752712.7	473.0	3.49	4.00	3.25	YES	
L0000830	0	0.33060E-05	474351.2	3752704.1	473.1	3.49	4.00	3.25	YES	
L0000831	0	0.33060E-05	474351.4	3752695.5	473.2	3.49	4.00	3.25	YES	
L0000832	0	0.33060E-05	474351.5	3752686.9	473.2	3.49	4.00	3.25	YES	
L0000833	0	0.33060E-05	474351.7	3752678.3	473.2	3.49	4.00	3.25	YES	
L0000834	0	0.33060E-05	474351.8	3752669.7	473.2	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000835	0	0.33060E-05	474352.0	3752661.1	473.2	3.49	4.00	3.25	YES	
L0000836	0	0.33060E-05	474352.1	3752652.5	473.2	3.49	4.00	3.25	YES	
L0000837	0	0.33060E-05	474352.3	3752644.0	473.2	3.49	4.00	3.25	YES	
L0000838	0	0.33060E-05	474352.4	3752635.4	473.1	3.49	4.00	3.25	YES	
L0000839	0	0.33060E-05	474352.6	3752626.8	473.1	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
	L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
	L0000781 , L0000782 , L0000783 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
	L0000041 , L0000042 , L0000043 , L0000418 , L0000419 , L0000420 , L0000421 , L0000422 ,
	L0000423 , L0000424 , L0000425 , L0000426 , L0000427 , L0000428 , L0000429 , L0000430 ,
	L0000431 , L0000432 , L0000433 , L0000434 , L0000435 , L0000436 , L0000437 , L0000438 ,
	L0000439 , L0000440 , L0000441 , L0000442 , L0000443 , L0000444 , L0000445 , L0000446 ,
	L0000447 , L0000448 , L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 ,
	L0000455 , L0000456 , L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 ,
	L0000463 , L0000464 , L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 ,
	L0000471 , L0000472 , L0000473 , L0000474 , L0000475 , L0000476 , L0000477 , L0000478 ,
	L0000479 , L0000480 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 ,
	L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 , L0000494 ,
	L0000495 , L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 , L0000502 ,
	L0000503 , L0000504 , L0000505 , L0000506 , L0000507 , L0000508 , L0000509 , L0000510 ,
	L0000511 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 , L0000353 ,
	L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 , L0000361 ,
	L0000362 , L0000363 , L0000364 , L0000365 , L0000366 , L0000367 , L0000368 , L0000369 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000370 , L0000371 , L0000372 , L0000373 , L0000374 , L0000375 , L0000376 , L0000377 ,
	L0000378 , L0000379 , L0000380 , L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
	L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
	L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
	L0000827 , L0000828 , L0000829 , L0000830 , L0000831 , L0000832 , L0000833 , L0000834 ,
	L0000835 , L0000836 , L0000837 , L0000838 , L0000839 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
		L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
		L0000781 , L0000782 , L0000783 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
		L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
		L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
		L0000041 , L0000042 , L0000043 , L0000418 , L0000419 , L0000420 , L0000421 , L0000422 ,
		L0000423 , L0000424 , L0000425 , L0000426 , L0000427 , L0000428 , L0000429 , L0000430 ,
		L0000431 , L0000432 , L0000433 , L0000434 , L0000435 , L0000436 , L0000437 , L0000438 ,
		L0000439 , L0000440 , L0000441 , L0000442 , L0000443 , L0000444 , L0000445 , L0000446 ,
		L0000447 , L0000448 , L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 ,
		L0000455 , L0000456 , L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 ,
		L0000463 , L0000464 , L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 ,
		L0000471 , L0000472 , L0000473 , L0000474 , L0000475 , L0000476 , L0000477 , L0000478 ,
		L0000479 , L0000480 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 ,
		L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 , L0000494 ,
		L0000495 , L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 , L0000502 ,
		L0000503 , L0000504 , L0000505 , L0000506 , L0000507 , L0000508 , L0000509 , L0000510 ,
		L0000511 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 , L0000353 ,
		L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 , L0000361 ,
		L0000362 , L0000363 , L0000364 , L0000365 , L0000366 , L0000367 , L0000368 , L0000369 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
		L0000370 , L0000371 , L0000372 , L0000373 , L0000374 , L0000375 , L0000376 , L0000377 ,
		L0000378 , L0000379 , L0000380 , L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
		L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
		L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
		L0000827 , L0000828 , L0000829 , L0000830 , L0000831 , L0000832 , L0000833 , L0000834 ,
		L0000835 , L0000836 , L0000837 , L0000838 , L0000839 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

473265.3, 473315.3, 473365.3, 473415.3, 473465.3, 473515.3, 473565.3, 473615.3, 473665.3, 473715.3,
473765.3, 473815.3, 473865.3, 473915.3, 473965.3, 474015.3, 474065.3, 474115.3, 474165.3, 474215.3,
474265.3, 474315.3, 474365.3, 474415.3, 474465.3, 474515.3, 474565.3, 474615.3, 474665.3, 474715.3,
474765.3, 474815.3, 474865.3, 474915.3, 474965.3, 475015.3, 475065.3,

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

3752378.2, 3752428.2, 3752478.2, 3752528.2, 3752578.2, 3752628.2, 3752678.2, 3752728.2, 3752778.2, 3752828.2,
3752878.2, 3752928.2, 3752978.2, 3753028.2, 3753078.2, 3753128.2, 3753178.2, 3753228.2, 3753278.2, 3753328.2,
3753378.2,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 473265.34	473315.34	473365.34	473415.34	473465.34	473515.34	473565.34	473615.34	473665.34
3753378.19	463.70	464.30	466.10	468.00	468.20	468.00	467.70	468.30	468.70
3753328.19	463.60	464.00	465.50	468.40	468.70	468.60	468.50	469.20	468.90
3753278.19	463.30	463.70	464.60	468.40	468.60	468.40	468.60	468.60	468.60
3753228.19	463.30	462.80	463.90	466.70	466.70	467.00	467.40	467.80	468.20
3753178.19	464.20	461.80	463.50	464.20	464.30	465.90	467.20	467.70	468.00
3753128.19	465.30	462.00	463.50	463.60	463.20	465.60	467.60	468.90	468.50
3753078.19	466.90	463.80	463.40	464.00	463.60	464.20	466.90	468.00	468.20
3753028.19	468.60	463.30	463.00	463.70	466.40	465.90	467.50	467.80	468.40
3752978.19	471.20	469.10	467.10	463.40	468.30	467.40	467.80	468.10	468.80
3752928.19	470.70	470.10	468.70	463.60	466.60	467.00	466.60	467.40	468.30
3752878.19	468.80	468.10	467.80	464.50	464.20	465.50	464.10	466.70	468.30
3752828.19	468.60	469.10	468.20	467.30	464.40	465.80	464.70	466.00	466.30
3752778.19	467.30	469.20	468.70	467.90	465.60	465.10	465.90	466.40	465.80
3752728.19	466.20	468.70	468.30	467.50	466.60	465.70	466.30	467.50	467.00
3752678.19	469.20	467.20	469.00	468.50	468.60	466.80	466.30	468.50	468.20
3752628.19	472.30	468.50	468.50	469.50	468.90	467.90	467.40	467.50	468.90
3752578.19	472.50	471.90	468.20	469.20	469.80	469.10	468.60	467.80	468.50
3752528.19	473.20	472.80	471.60	468.10	469.70	470.20	469.30	468.60	468.40
3752478.19	474.10	473.10	472.60	470.90	468.60	470.60	470.00	469.20	469.10
3752428.19	475.00	475.00	473.80	473.20	470.00	470.10	471.40	469.90	469.20
3752378.19	476.40	476.10	475.60	474.20	473.50	469.40	471.40	470.90	470.40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 473715.34	473765.34	473815.34	473865.34	473915.34	473965.34	474015.34	474065.34	474115.34
3753378.19	469.00	469.40	470.70	471.50	471.50	471.60	472.20	472.00	472.70
3753328.19	469.00	469.60	470.20	471.00	472.40	471.50	471.40	471.50	472.30
3753278.19	468.70	469.10	469.30	470.10	471.50	471.00	470.70	470.80	471.60
3753228.19	468.70	468.50	468.90	470.60	471.30	470.70	470.30	470.20	471.00
3753178.19	468.80	468.00	469.00	470.80	470.70	469.80	469.60	469.80	471.00
3753128.19	468.70	467.90	468.00	469.10	469.20	468.90	469.00	469.60	471.50
3753078.19	467.80	467.90	467.70	468.60	469.20	469.40	469.30	469.50	471.20
3753028.19	468.60	468.50	468.00	469.00	470.00	471.00	470.40	469.70	470.90
3752978.19	469.30	469.20	468.60	468.90	469.70	470.40	470.60	470.50	470.90
3752928.19	469.30	469.90	469.40	469.10	469.30	469.90	470.80	470.90	470.90
3752878.19	469.70	470.70	470.30	469.80	469.30	469.50	470.50	470.70	470.90
3752828.19	468.00	469.60	470.50	470.60	469.80	469.60	470.00	470.50	470.90
3752778.19	466.10	468.60	470.00	470.80	470.50	470.00	469.70	470.70	470.60
3752728.19	466.20	466.80	468.20	470.00	470.60	470.60	470.20	470.70	470.90
3752678.19	466.90	466.50	467.10	469.20	470.40	470.80	470.90	471.10	471.20
3752628.19	468.00	467.30	467.00	468.50	470.10	470.60	471.00	471.00	471.30
3752578.19	469.00	468.30	468.10	467.50	469.00	470.00	470.10	470.40	470.90
3752528.19	469.10	469.40	469.30	468.40	468.20	469.30	469.50	470.30	470.60
3752478.19	469.10	469.30	469.50	469.70	468.80	469.10	469.60	470.30	471.10
3752428.19	469.30	469.50	469.70	470.00	469.80	469.00	469.70	470.70	471.70
3752378.19	469.80	469.60	469.60	470.00	470.30	469.50	469.90	470.20	471.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 474165.34	474215.34	474265.34	474315.34	474365.34	474415.34	474465.34	474515.34	474565.34
3753378.19	473.90	475.70	477.80	475.50	472.70	472.60	474.70	477.40	479.40
3753328.19	473.60	475.60	478.50	475.90	473.40	473.10	476.10	478.20	478.90
3753278.19	472.70	474.20	476.50	477.10	476.80	476.70	474.70	478.60	476.90
3753228.19	472.50	474.60	477.90	476.80	477.40	478.80	476.40	475.40	475.00
3753178.19	474.20	476.10	476.20	475.60	476.70	479.10	477.00	474.20	474.40
3753128.19	473.30	475.10	474.10	474.90	477.50	478.20	476.70	475.50	474.40
3753078.19	472.10	472.70	473.30	475.50	477.00	475.90	476.00	476.80	474.60
3753028.19	471.20	472.00	474.00	476.50	475.70	474.80	475.60	476.40	474.90
3752978.19	471.30	472.30	473.70	475.00	474.80	475.00	475.40	475.70	475.70
3752928.19	471.50	472.60	473.50	473.90	474.20	474.40	474.70	475.10	475.40
3752878.19	471.70	472.90	473.90	474.30	474.30	474.10	474.30	474.90	475.20
3752828.19	471.60	472.50	473.70	474.30	474.40	473.90	474.10	474.70	475.20
3752778.19	471.10	472.30	473.60	474.00	474.10	473.70	473.80	474.20	474.50
3752728.19	471.80	473.00	473.10	473.10	473.00	473.00	473.50	474.00	474.10
3752678.19	472.00	473.10	473.10	473.20	473.10	472.70	473.20	473.90	474.00
3752628.19	472.20	473.10	473.10	473.10	473.00	472.50	473.20	473.50	473.90
3752578.19	471.60	472.70	472.40	472.10	472.20	472.60	473.00	473.30	473.70
3752528.19	471.40	472.70	471.90	471.20	471.40	471.70	471.90	472.20	472.40
3752478.19	471.60	472.40	471.80	471.40	471.30	471.60	471.90	472.30	472.80
3752428.19	472.20	471.90	471.70	471.40	471.30	471.60	471.90	472.50	473.10
3752378.19	471.50	471.50	471.70	471.20	471.30	471.50	471.90	472.60	473.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	474615.34	474665.34	474715.34	474765.34	474815.34	474865.34	474915.34	474965.34	475015.34
3753378.19	479.00	478.70	479.80	480.00	479.00	479.10	480.20	480.90	480.60
3753328.19	477.60	478.30	479.60	478.70	478.50	479.10	480.30	480.70	480.70
3753278.19	476.70	477.60	478.00	476.90	477.60	478.90	479.90	480.40	480.50
3753228.19	475.80	477.20	477.40	476.90	478.80	480.00	480.00	479.70	479.90
3753178.19	476.20	476.40	476.30	476.90	479.20	479.90	479.80	479.10	479.10
3753128.19	475.30	475.60	476.40	477.50	479.10	479.30	479.40	478.50	478.40
3753078.19	474.60	475.70	477.00	478.30	479.20	478.90	478.90	478.10	477.80
3753028.19	474.90	476.20	477.10	478.60	478.80	478.70	478.70	478.00	477.50
3752978.19	475.90	476.70	477.30	478.00	478.20	478.30	478.30	478.00	477.50
3752928.19	475.80	477.00	477.60	478.10	478.40	477.70	477.70	477.80	477.60
3752878.19	475.30	477.10	477.30	477.60	477.80	477.40	477.50	477.80	477.30
3752828.19	475.10	476.60	476.10	476.10	476.70	476.60	477.00	477.20	476.40
3752778.19	474.80	476.10	475.70	475.80	476.40	476.20	476.50	476.70	476.00
3752728.19	474.40	475.40	475.20	474.90	475.70	476.00	476.00	476.00	475.80
3752678.19	474.20	475.80	475.60	474.60	474.80	475.20	475.30	475.60	475.50
3752628.19	474.20	475.80	475.70	474.80	474.50	474.80	475.00	475.30	475.30
3752578.19	473.90	474.40	474.60	474.60	474.90	474.90	474.70	474.60	474.70
3752528.19	472.70	473.40	474.20	474.80	474.80	474.70	474.60	474.60	474.50
3752478.19	473.20	473.70	474.10	474.80	474.60	474.50	474.60	474.50	474.40
3752428.19	473.70	473.90	473.90	474.40	474.40	474.50	474.30	474.00	474.20
3752378.19	474.00	474.10	473.90	473.80	474.10	474.50	474.60	474.30	474.10

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 475065.34
3753378.19	480.10
3753328.19	480.10
3753278.19	479.90
3753228.19	479.50
3753178.19	479.00
3753128.19	478.30
3753078.19	477.70
3753028.19	477.20
3752978.19	476.90
3752928.19	476.70
3752878.19	476.40
3752828.19	476.10
3752778.19	475.80
3752728.19	475.80
3752678.19	475.70
3752628.19	475.50
3752578.19	474.80
3752528.19	474.40
3752478.19	474.40
3752428.19	474.30
3752378.19	474.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 473265.34	473315.34	473365.34	473415.34	473465.34	473515.34	473565.34	473615.34	473665.34
3753378.19	463.70	464.30	466.10	468.00	468.20	468.00	467.70	468.30	468.70
3753328.19	463.60	464.00	468.10	468.40	468.70	468.60	468.50	469.20	468.90
3753278.19	463.30	463.70	467.00	468.40	468.60	468.40	468.60	468.60	468.60
3753228.19	463.30	462.80	463.90	466.70	466.70	467.00	467.40	467.80	468.20
3753178.19	464.20	461.80	463.50	464.20	464.30	465.90	467.20	467.70	468.00
3753128.19	466.30	462.00	463.50	463.60	463.20	465.60	467.60	468.90	468.50
3753078.19	466.90	463.80	463.40	464.00	463.60	464.20	466.90	468.00	468.20
3753028.19	468.60	471.80	470.10	463.70	466.40	465.90	467.50	467.80	468.40
3752978.19	471.20	470.70	469.40	469.40	468.30	467.40	467.80	468.10	468.80
3752928.19	470.70	470.10	469.90	469.90	466.60	467.00	466.60	467.40	468.30
3752878.19	468.80	468.10	467.80	464.50	464.20	465.50	464.10	466.70	468.30
3752828.19	468.60	469.10	468.20	467.30	464.40	465.80	464.70	466.00	466.30
3752778.19	467.30	469.20	468.70	467.90	465.60	465.10	465.90	466.40	465.80
3752728.19	466.20	468.70	468.30	467.50	466.60	465.70	466.30	467.50	467.00
3752678.19	471.90	467.20	469.00	468.50	468.60	466.80	466.30	468.50	468.20
3752628.19	472.30	472.00	468.50	469.50	468.90	467.90	467.40	467.50	468.90
3752578.19	472.50	471.90	472.00	469.20	469.80	469.10	468.60	467.80	468.50
3752528.19	473.20	472.80	471.60	468.10	469.70	470.20	469.30	468.60	468.40
3752478.19	474.10	473.10	472.60	471.80	468.60	470.60	470.00	469.20	469.10
3752428.19	475.00	475.00	473.80	473.20	473.50	470.10	471.40	469.90	469.20
3752378.19	476.40	476.10	475.60	474.20	473.50	474.00	471.40	470.90	470.40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 473715.34	473765.34	473815.34	473865.34	473915.34	473965.34	474015.34	474065.34	474115.34
3753378.19	469.00	469.40	470.70	471.50	471.50	471.60	472.20	472.00	472.70
3753328.19	469.00	469.60	470.20	471.00	472.40	471.50	471.40	471.50	472.30
3753278.19	468.70	469.10	469.30	470.10	471.50	471.00	470.70	470.80	471.60
3753228.19	468.70	468.50	468.90	470.60	471.30	470.70	470.30	470.20	471.00
3753178.19	468.80	468.00	469.00	470.80	470.70	469.80	469.60	469.80	471.00
3753128.19	468.70	467.90	468.00	469.10	469.20	468.90	469.00	469.60	471.50
3753078.19	467.80	467.90	467.70	468.60	469.20	469.40	469.30	469.50	471.20
3753028.19	468.60	468.50	468.00	469.00	470.00	471.00	470.40	469.70	470.90
3752978.19	469.30	469.20	468.60	468.90	469.70	470.40	470.60	470.50	470.90
3752928.19	469.30	469.90	469.40	469.10	469.30	469.90	470.80	470.90	470.90
3752878.19	469.70	470.70	470.30	469.80	469.30	469.50	470.50	470.70	470.90
3752828.19	468.00	469.60	470.50	470.60	469.80	469.60	470.00	470.50	470.90
3752778.19	466.10	468.60	470.00	470.80	470.50	470.00	469.70	470.70	470.60
3752728.19	466.20	466.80	468.20	470.00	470.60	470.60	470.20	470.70	470.90
3752678.19	466.90	466.50	467.10	469.20	470.40	470.80	470.90	471.10	471.20
3752628.19	468.00	467.30	467.00	468.50	470.10	470.60	471.00	471.00	471.30
3752578.19	469.00	468.30	468.10	467.50	469.00	470.00	470.10	470.40	470.90
3752528.19	469.10	469.40	469.30	468.40	468.20	469.30	469.50	470.30	470.60
3752478.19	469.10	469.30	469.50	469.70	468.80	469.10	469.60	470.30	471.10
3752428.19	469.30	469.50	469.70	470.00	469.80	469.00	469.70	470.70	471.70
3752378.19	469.80	469.60	469.60	470.00	470.30	469.50	469.90	470.20	471.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 474165.34	474215.34	474265.34	474315.34	474365.34	474415.34	474465.34	474515.34	474565.34
3753378.19	473.90	475.70	477.80	475.50	472.70	472.60	474.70	477.40	479.40
3753328.19	473.60	475.60	478.50	475.90	473.40	473.10	476.10	478.20	478.90
3753278.19	472.70	474.20	476.50	477.10	476.80	477.20	477.30	478.60	476.90
3753228.19	472.50	474.60	477.90	476.80	477.40	478.80	476.40	475.40	475.00
3753178.19	474.20	476.10	476.20	475.60	476.70	479.10	477.00	474.20	474.40
3753128.19	473.30	475.10	474.10	474.90	477.50	478.20	476.70	475.50	474.40
3753078.19	472.10	472.70	473.30	475.50	477.00	475.90	476.00	476.80	474.60
3753028.19	471.20	472.00	474.00	476.50	475.70	474.80	475.60	476.40	474.90
3752978.19	471.30	472.30	473.70	475.00	474.80	475.00	475.40	475.70	475.70
3752928.19	471.50	472.60	473.50	473.90	474.20	474.40	474.70	475.10	475.40
3752878.19	471.70	472.90	473.90	474.30	474.30	474.10	474.30	474.90	475.20
3752828.19	471.60	472.50	473.70	474.30	474.40	473.90	474.10	474.70	475.20
3752778.19	471.10	472.30	473.60	474.00	474.10	473.70	473.80	474.20	474.50
3752728.19	471.80	473.00	473.10	473.10	473.00	473.00	473.50	474.00	474.10
3752678.19	472.00	473.10	473.10	473.20	473.10	472.70	473.20	473.90	474.00
3752628.19	472.20	473.10	473.10	473.10	473.00	472.50	473.20	473.50	473.90
3752578.19	471.60	472.70	472.40	472.10	472.20	472.60	473.00	473.30	473.70
3752528.19	471.40	472.70	471.90	471.20	471.40	471.70	471.90	472.20	472.40
3752478.19	471.60	472.40	471.80	471.40	471.30	471.60	471.90	472.30	472.80
3752428.19	472.20	471.90	471.70	471.40	471.30	471.60	471.90	472.50	473.10
3752378.19	471.50	471.50	471.70	471.20	471.30	471.50	471.90	472.60	473.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 474615.34	474665.34	474715.34	474765.34	474815.34	474865.34	474915.34	474965.34	475015.34
3753378.19	479.00	478.70	479.80	480.00	479.00	479.10	480.20	480.90	480.60
3753328.19	477.60	478.30	479.60	478.70	478.50	479.10	480.30	480.70	480.70
3753278.19	476.70	477.60	478.00	476.90	477.60	478.90	479.90	480.40	480.50
3753228.19	475.80	477.20	477.40	476.90	478.80	480.00	480.00	479.70	479.90
3753178.19	476.20	476.40	476.30	476.90	479.20	479.90	479.80	479.10	479.10
3753128.19	475.30	475.60	476.40	477.50	479.10	479.30	479.40	478.50	478.40
3753078.19	474.60	475.70	477.00	478.30	479.20	478.90	478.90	478.10	477.80
3753028.19	474.90	476.20	477.10	478.60	478.80	478.70	478.70	478.00	477.50
3752978.19	475.90	476.70	477.30	478.00	478.20	478.30	478.30	478.00	477.50
3752928.19	475.80	477.00	477.60	478.10	478.40	477.70	477.70	477.80	477.60
3752878.19	475.30	477.10	477.30	477.60	477.80	477.40	477.50	477.80	477.30
3752828.19	475.10	476.60	476.10	476.10	476.70	476.60	477.00	477.20	476.40
3752778.19	474.80	476.10	475.70	475.80	476.40	476.20	476.50	476.70	476.00
3752728.19	474.40	475.40	475.20	474.90	475.70	476.00	476.00	476.00	475.80
3752678.19	474.20	475.80	475.60	474.60	474.80	475.20	475.30	475.60	475.50
3752628.19	474.20	475.80	475.70	474.80	474.50	474.80	475.00	475.30	475.30
3752578.19	473.90	474.40	474.60	474.60	474.90	474.90	474.70	474.60	474.70
3752528.19	472.70	473.40	474.20	474.80	474.80	474.70	474.60	474.60	474.50
3752478.19	473.20	473.70	474.10	474.80	474.60	474.50	474.60	474.50	474.40
3752428.19	473.70	473.90	473.90	474.40	474.40	474.50	474.30	474.00	474.20
3752378.19	474.00	474.10	473.90	473.80	474.10	474.50	474.60	474.30	474.10

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 475065.34
3753378.19	480.10
3753328.19	480.10
3753278.19	479.90
3753228.19	479.50
3753178.19	479.00
3753128.19	478.30
3753078.19	477.70
3753028.19	477.20
3752978.19	476.90
3752928.19	476.70
3752878.19	476.40
3752828.19	476.10
3752778.19	475.80
3752728.19	475.80
3752678.19	475.70
3752628.19	475.50
3752578.19	474.80
3752528.19	474.40
3752478.19	474.40
3752428.19	474.30
3752378.19	474.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(	474410.8,	3753020.3,	474.8,	474.8,	0.0);	(	474129.0,	3753006.6,	470.9,	470.9,	0.0);
(	474069.0,	3752989.3,	470.2,	470.2,	0.0);	(	474038.0,	3752990.1,	470.5,	470.5,	0.0);
(	474408.3,	3752677.6,	472.7,	472.7,	0.0);	(	474354.5,	3752582.6,	472.3,	472.3,	0.0);
(	474214.1,	3752757.4,	472.6,	472.6,	0.0);						

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000420	474215.3	3752978.2	-3.23
L0000421	474215.3	3752978.2	-3.70
L0000426	474165.3	3752978.2	-4.68
L0000427	474165.3	3752978.2	-2.52
L0000432	474115.3	3752978.2	-5.97
L0000433	474115.3	3752978.2	-1.18
L0000437	474065.3	3752978.2	0.15
L0000438	474065.3	3752978.2	-6.68
L0000439	474065.3	3752978.2	0.25
L0000443	474015.3	3752978.2	-1.40
L0000444	474015.3	3752978.2	-6.29
L0000449	473965.3	3752978.2	-2.95
L0000450	473965.3	3752978.2	-5.22
L0000455	473915.3	3752978.2	-4.67
L0000456	473915.3	3752978.2	-3.94
L0000461	473865.3	3752978.2	-5.85
L0000462	473865.3	3752978.2	-2.23
L0000467	473815.3	3752978.2	-6.49
L0000468	473815.3	3752978.2	-0.65
L0000472	473765.3	3752978.2	-0.40
L0000473	473765.3	3752978.2	-6.37
L0000474	473765.3	3752978.2	0.90
L0000478	473715.3	3752978.2	-1.81
L0000479	473715.3	3752978.2	-5.39
L0000484	473665.3	3752978.2	-3.13
L0000485	473665.3	3752978.2	-4.07
L0000490	473615.3	3752978.2	-4.31
L0000491	473615.3	3752978.2	-2.64
L0000496	473565.3	3752978.2	-5.16
L0000497	473565.3	3752978.2	-1.16
L0000501	473515.3	3752978.2	0.76
L0000502	473515.3	3752978.2	-5.43
L0000503	473515.3	3752978.2	0.35

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: ..\..\Desktop_HRA_MET and TOPO data\PERI_V9_ADJU\PERI_v9.SFC Met Version: 16216
Profile file: ..\..\Desktop_HRA_MET and TOPO data\PERI_V9_ADJU\PERI_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2010 Year: 2010

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
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40	188.	9.1	289.2	5.5
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70	310.	9.1	290.9	5.5
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20	357.	9.1	293.1	5.5
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20	356.	9.1	293.8	5.5
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20	50.	9.1	294.2	5.5
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80	53.	9.1	293.8	5.5
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80	11.	9.1	292.5	5.5
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	0.64	0.90	351.	9.1	290.4	5.5
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90	186.	9.1	287.5	5.5
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90	275.	9.1	285.9	5.5
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40	181.	9.1	285.4	5.5
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30	318.	9.1	284.9	5.5
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	196.	9.1	283.1	5.5
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	330.	9.1	281.4	5.5
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	332.	9.1	280.9	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000765 , L0000766 , L0000767 , L0000768 , L0000769 ,
L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 ,
L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	473265.34	473315.34	473365.34	473415.34	473465.34	473515.34	473565.34	473615.34	473665.34
3753378.19	0.00007	0.00008	0.00008	0.00009	0.00009	0.00010	0.00010	0.00011	0.00012
3753328.19	0.00007	0.00008	0.00009	0.00009	0.00010	0.00011	0.00011	0.00012	0.00013
3753278.19	0.00008	0.00008	0.00009	0.00010	0.00011	0.00012	0.00012	0.00013	0.00014
3753228.19	0.00008	0.00009	0.00010	0.00011	0.00012	0.00013	0.00014	0.00015	0.00016
3753178.19	0.00009	0.00010	0.00011	0.00012	0.00013	0.00014	0.00016	0.00017	0.00018
3753128.19	0.00009	0.00010	0.00011	0.00013	0.00015	0.00017	0.00018	0.00020	0.00021
3753078.19	0.00010	0.00011	0.00013	0.00015	0.00018	0.00021	0.00023	0.00025	0.00027
3753028.19	0.00010	0.00011	0.00014	0.00019	0.00026	0.00032	0.00036	0.00038	0.00040
3752978.19	0.00010	0.00012	0.00015	0.00027	0.00082	0.00058	0.00079	0.00080	0.00082
3752928.19	0.00010	0.00012	0.00015	0.00022	0.00036	0.00040	0.00042	0.00044	0.00046
3752878.19	0.00010	0.00012	0.00014	0.00017	0.00021	0.00025	0.00027	0.00029	0.00031
3752828.19	0.00010	0.00011	0.00013	0.00015	0.00017	0.00020	0.00022	0.00024	0.00026
3752778.19	0.00010	0.00011	0.00012	0.00014	0.00015	0.00017	0.00019	0.00021	0.00023
3752728.19	0.00010	0.00011	0.00012	0.00013	0.00014	0.00016	0.00018	0.00020	0.00022
3752678.19	0.00009	0.00010	0.00011	0.00012	0.00014	0.00015	0.00017	0.00018	0.00020
3752628.19	0.00009	0.00010	0.00011	0.00012	0.00013	0.00014	0.00016	0.00018	0.00020
3752578.19	0.00009	0.00010	0.00011	0.00011	0.00013	0.00014	0.00015	0.00017	0.00019
3752528.19	0.00009	0.00009	0.00010	0.00011	0.00012	0.00013	0.00015	0.00016	0.00018
3752478.19	0.00008	0.00009	0.00010	0.00011	0.00012	0.00013	0.00014	0.00015	0.00017
3752428.19	0.00008	0.00009	0.00010	0.00010	0.00011	0.00012	0.00013	0.00015	0.00016
3752378.19	0.00008	0.00009	0.00009	0.00010	0.00011	0.00012	0.00013	0.00014	0.00015

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000765 , L0000766 , L0000767 , L0000768 , L0000769 ,
L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 ,
L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	473715.34	473765.34	473815.34	473865.34	473915.34	473965.34	474015.34	474065.34	474115.34
3753378.19	0.00012	0.00013	0.00014	0.00015	0.00015	0.00016	0.00017	0.00017	0.00018
3753328.19	0.00014	0.00014	0.00015	0.00016	0.00017	0.00018	0.00019	0.00019	0.00020
3753278.19	0.00015	0.00016	0.00017	0.00018	0.00019	0.00020	0.00021	0.00022	0.00023
3753228.19	0.00017	0.00018	0.00019	0.00020	0.00022	0.00023	0.00024	0.00025	0.00027
3753178.19	0.00019	0.00021	0.00022	0.00023	0.00025	0.00026	0.00028	0.00030	0.00031
3753128.19	0.00023	0.00024	0.00026	0.00027	0.00029	0.00031	0.00033	0.00036	0.00038
3753078.19	0.00028	0.00030	0.00032	0.00034	0.00036	0.00039	0.00042	0.00045	0.00048
3753028.19	0.00042	0.00044	0.00046	0.00049	0.00052	0.00055	0.00059	0.00063	0.00068
3752978.19	0.00085	0.00071	0.00092	0.00093	0.00095	0.00100	0.00106	0.00094	0.00119
3752928.19	0.00048	0.00050	0.00053	0.00055	0.00058	0.00063	0.00068	0.00076	0.00087
3752878.19	0.00034	0.00036	0.00039	0.00042	0.00046	0.00052	0.00059	0.00069	0.00084
3752828.19	0.00028	0.00031	0.00034	0.00038	0.00043	0.00049	0.00058	0.00070	0.00090
3752778.19	0.00025	0.00028	0.00032	0.00036	0.00041	0.00048	0.00058	0.00073	0.00097
3752728.19	0.00024	0.00027	0.00030	0.00034	0.00040	0.00048	0.00059	0.00075	0.00103
3752678.19	0.00023	0.00025	0.00029	0.00033	0.00039	0.00047	0.00058	0.00075	0.00103
3752628.19	0.00022	0.00024	0.00028	0.00032	0.00038	0.00045	0.00056	0.00073	0.00099
3752578.19	0.00021	0.00023	0.00027	0.00031	0.00036	0.00043	0.00053	0.00067	0.00090
3752528.19	0.00020	0.00022	0.00025	0.00029	0.00034	0.00040	0.00049	0.00061	0.00078
3752478.19	0.00019	0.00021	0.00024	0.00027	0.00032	0.00037	0.00044	0.00053	0.00066
3752428.19	0.00018	0.00020	0.00023	0.00026	0.00029	0.00034	0.00039	0.00046	0.00055
3752378.19	0.00017	0.00019	0.00021	0.00024	0.00027	0.00030	0.00035	0.00040	0.00046

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000765 , L0000766 , L0000767 , L0000768 , L0000769 ,
L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 ,
L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 474165.34	474215.34	474265.34	474315.34	474365.34	474415.34	474465.34	474515.34	474565.34
3753378.19	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00017	0.00016	0.00015
3753328.19	0.00021	0.00021	0.00022	0.00021	0.00021	0.00020	0.00019	0.00018	0.00017
3753278.19	0.00024	0.00024	0.00024	0.00024	0.00023	0.00023	0.00022	0.00020	0.00020
3753228.19	0.00028	0.00028	0.00028	0.00028	0.00027	0.00026	0.00025	0.00024	0.00022
3753178.19	0.00032	0.00033	0.00033	0.00033	0.00032	0.00031	0.00029	0.00027	0.00026
3753128.19	0.00040	0.00040	0.00041	0.00040	0.00038	0.00036	0.00034	0.00032	0.00029
3753078.19	0.00051	0.00052	0.00051	0.00049	0.00047	0.00044	0.00041	0.00037	0.00034
3753028.19	0.00073	0.00075	0.00068	0.00063	0.00059	0.00055	0.00050	0.00045	0.00040
3752978.19	0.00126	0.00150	0.00097	0.00083	0.00077	0.00070	0.00062	0.00055	0.00047
3752928.19	0.00105	0.00188	0.00133	0.00111	0.00104	0.00093	0.00080	0.00068	0.00056
3752878.19	0.00111	0.00207	0.00172	0.00158	0.00151	0.00132	0.00107	0.00085	0.00067
3752828.19	0.00126	0.00242	0.00234	0.00254	0.00254	0.00204	0.00148	0.00107	0.00080
3752778.19	0.00142	0.00290	0.00386	0.00547	0.00614	0.00358	0.00207	0.00133	0.00093
3752728.19	0.00154	0.00291	0.00480	0.01166	0.02694	0.00617	0.00273	0.00157	0.00103
3752678.19	0.00156	0.00291	0.00491	0.01488	0.04084	0.00780	0.00309	0.00169	0.00108
3752628.19	0.00148	0.00279	0.00455	0.01121	0.03117	0.00688	0.00294	0.00164	0.00106
3752578.19	0.00128	0.00220	0.00400	0.00579	0.00725	0.00437	0.00240	0.00147	0.00099
3752528.19	0.00104	0.00144	0.00198	0.00252	0.00284	0.00248	0.00179	0.00124	0.00089
3752478.19	0.00082	0.00103	0.00127	0.00150	0.00163	0.00156	0.00131	0.00102	0.00078
3752428.19	0.00065	0.00077	0.00090	0.00101	0.00108	0.00107	0.00097	0.00082	0.00067
3752378.19	0.00053	0.00060	0.00067	0.00074	0.00078	0.00078	0.00074	0.00066	0.00057

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000765 , L0000766 , L0000767 , L0000768 , L0000769 ,
L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 ,
L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	474615.34	474665.34	474715.34	474765.34	474815.34	474865.34	474915.34	474965.34	475015.34
3753378.19	0.00015	0.00014	0.00013	0.00012	0.00012	0.00011	0.00010	0.00009	0.00009
3753328.19	0.00017	0.00015	0.00014	0.00013	0.00013	0.00012	0.00011	0.00010	0.00009
3753278.19	0.00019	0.00017	0.00016	0.00015	0.00014	0.00013	0.00012	0.00011	0.00010
3753228.19	0.00021	0.00019	0.00018	0.00017	0.00015	0.00013	0.00012	0.00011	0.00010
3753178.19	0.00024	0.00022	0.00020	0.00018	0.00016	0.00014	0.00013	0.00012	0.00011
3753128.19	0.00027	0.00024	0.00022	0.00020	0.00017	0.00015	0.00014	0.00013	0.00012
3753078.19	0.00031	0.00027	0.00024	0.00021	0.00018	0.00017	0.00015	0.00014	0.00013
3753028.19	0.00035	0.00031	0.00027	0.00023	0.00020	0.00018	0.00016	0.00015	0.00014
3752978.19	0.00041	0.00035	0.00030	0.00026	0.00022	0.00019	0.00017	0.00016	0.00014
3752928.19	0.00047	0.00039	0.00033	0.00028	0.00023	0.00021	0.00019	0.00017	0.00015
3752878.19	0.00054	0.00044	0.00036	0.00031	0.00026	0.00023	0.00020	0.00017	0.00015
3752828.19	0.00061	0.00049	0.00039	0.00033	0.00028	0.00024	0.00020	0.00018	0.00016
3752778.19	0.00069	0.00053	0.00042	0.00034	0.00029	0.00024	0.00021	0.00018	0.00016
3752728.19	0.00074	0.00056	0.00044	0.00036	0.00029	0.00025	0.00021	0.00019	0.00016
3752678.19	0.00076	0.00057	0.00044	0.00036	0.00030	0.00025	0.00022	0.00019	0.00017
3752628.19	0.00075	0.00056	0.00044	0.00036	0.00030	0.00025	0.00022	0.00019	0.00016
3752578.19	0.00071	0.00054	0.00043	0.00035	0.00029	0.00025	0.00021	0.00019	0.00016
3752528.19	0.00066	0.00051	0.00041	0.00034	0.00028	0.00024	0.00021	0.00018	0.00016
3752478.19	0.00060	0.00048	0.00039	0.00032	0.00027	0.00023	0.00020	0.00018	0.00016
3752428.19	0.00054	0.00044	0.00036	0.00030	0.00026	0.00022	0.00019	0.00017	0.00015
3752378.19	0.00048	0.00040	0.00034	0.00029	0.00025	0.00021	0.00019	0.00017	0.00015

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000765 , L0000766 , L0000767 , L0000768 , L0000769 ,
L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 ,
L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 475065.34
3753378.19	0.00008
3753328.19	0.00009
3753278.19	0.00009
3753228.19	0.00010
3753178.19	0.00010
3753128.19	0.00011
3753078.19	0.00012
3753028.19	0.00012
3752978.19	0.00013
3752928.19	0.00013
3752878.19	0.00014
3752828.19	0.00014
3752778.19	0.00014
3752728.19	0.00015
3752678.19	0.00015
3752628.19	0.00015
3752578.19	0.00015
3752528.19	0.00014
3752478.19	0.00014
3752428.19	0.00014
3752378.19	0.00013

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000765 , L0000766 , L0000767 , L0000768 , L0000769 ,
L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 ,
L0000778 , L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** 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
474410.80	3753020.33	0.00057	474128.97	3753006.56	0.00092
474068.97	3752989.35	0.00134	474037.95	3752990.14	0.00126
474408.33	3752677.60	0.00931	474354.52	3752582.57	0.00828
474214.08	3752757.43	0.00291			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.04084 AT	474365.34,	3752678.19,	473.10,	473.10,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.03117 AT	474365.34,	3752628.19,	473.00,	473.00,	0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.02694 AT	474365.34,	3752728.19,	473.00,	473.00,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.01488 AT	474315.34,	3752678.19,	473.20,	473.20,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.01166 AT	474315.34,	3752728.19,	473.10,	473.10,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.01121 AT	474315.34,	3752628.19,	473.10,	473.10,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00931 AT	474408.33,	3752677.60,	472.65,	472.65,	0.00)	DC	
	8TH HIGHEST VALUE IS	0.00828 AT	474354.52,	3752582.57,	472.29,	472.29,	0.00)	DC	
	9TH HIGHEST VALUE IS	0.00780 AT	474415.34,	3752678.19,	472.70,	472.70,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00725 AT	474365.34,	3752578.19,	472.20,	472.20,	0.00)	GC	UCART1

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of   0 Fatal Error Message(s)
A Total of   4 Warning Message(s)
A Total of   2028 Informational Message(s)

A Total of   43824 Hours Were Processed

A Total of   978 Calm Hours Identified

A Total of   1050 Missing Hours Identified (2.40 Percent)

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

   ********   WARNING MESSAGES   ********
ME W186   569   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
ME W187   569   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W450   17521   CHKDAT: Record Out of Sequence in Meteorological File at: 14010101
MX W450   17521   CHKDAT: Record Out of Sequence in Meteorological File at: 2 year gap

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

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 10/19/2022
** File: C:\Users\monicat\Desktop\First Industrial Day Street\ProjAB2\ProjAB2.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE First Industrial at Day Street
   TITLETWO Project Only DPM Concentration (2024) - AB2
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2189641 Riverside
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL ProjAB2.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 Day Street B/n South Driveway and North Driveway
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 7.508E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 474227.508, 3752590.077, 473.00, 3.49, 4.00
** 474228.095, 3752756.374, 473.34, 3.49, 4.00
** ------------------------------------------------------------------------
```

```
   LOCATION L0000840     VOLUME   474227.523 3752594.372 473.00
   LOCATION L0000841     VOLUME   474227.553 3752602.962 473.05
   LOCATION L0000842     VOLUME   474227.584 3752611.552 473.11
   LOCATION L0000843     VOLUME   474227.614 3752620.142 473.17
   LOCATION L0000844     VOLUME   474227.644 3752628.732 473.23
   LOCATION L0000845     VOLUME   474227.675 3752637.322 473.25
   LOCATION L0000846     VOLUME   474227.705 3752645.912 473.28
   LOCATION L0000847     VOLUME   474227.735 3752654.501 473.31
   LOCATION L0000848     VOLUME   474227.766 3752663.091 473.33
   LOCATION L0000849     VOLUME   474227.796 3752671.681 473.35
   LOCATION L0000850     VOLUME   474227.826 3752680.271 473.37
   LOCATION L0000851     VOLUME   474227.857 3752688.861 473.39
   LOCATION L0000852     VOLUME   474227.887 3752697.451 473.41
   LOCATION L0000853     VOLUME   474227.917 3752706.041 473.43
   LOCATION L0000854     VOLUME   474227.948 3752714.631 473.45
   LOCATION L0000855     VOLUME   474227.978 3752723.221 473.44
   LOCATION L0000856     VOLUME   474228.008 3752731.811 473.38
   LOCATION L0000857     VOLUME   474228.039 3752740.401 473.32
   LOCATION L0000858     VOLUME   474228.069 3752748.991 473.27
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Day Street B/n North Driveway and Alessandro Boulevard
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.9E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 5
** 474227.214, 3752756.357, 473.32, 3.49, 4.00
** 474227.905, 3752796.453, 473.00, 3.49, 4.00
** 474228.942, 3752871.808, 473.12, 3.49, 4.00
** 474229.288, 3752910.867, 472.98, 3.49, 4.00
** 474226.868, 3752961.334, 472.63, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000859     VOLUME   474227.288 3752760.651 473.14
   LOCATION L0000860     VOLUME   474227.436 3752769.240 473.07
   LOCATION L0000861     VOLUME   474227.584 3752777.828 473.01
   LOCATION L0000862     VOLUME   474227.732 3752786.417 472.97
   LOCATION L0000863     VOLUME   474227.880 3752795.006 472.96
   LOCATION L0000864     VOLUME   474228.003 3752803.595 472.95
   LOCATION L0000865     VOLUME   474228.122 3752812.184 472.94
   LOCATION L0000866     VOLUME   474228.240 3752820.773 472.95
   LOCATION L0000867     VOLUME   474228.358 3752829.363 472.96
   LOCATION L0000868     VOLUME   474228.476 3752837.952 472.98
   LOCATION L0000869     VOLUME   474228.594 3752846.541 472.99
   LOCATION L0000870     VOLUME   474228.713 3752855.130 473.02
   LOCATION L0000871     VOLUME   474228.831 3752863.719 473.04
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   LOCATION L0000872     VOLUME   474228.947 3752872.308 473.06
   LOCATION L0000873     VOLUME   474229.023 3752880.898 473.04
   LOCATION L0000874     VOLUME   474229.099 3752889.488 473.01
   LOCATION L0000875     VOLUME   474229.175 3752898.077 472.98
   LOCATION L0000876     VOLUME   474229.251 3752906.667 472.94
   LOCATION L0000877     VOLUME   474229.078 3752915.252 472.85
   LOCATION L0000878     VOLUME   474228.666 3752923.832 472.77
   LOCATION L0000879     VOLUME   474228.255 3752932.412 472.68
   LOCATION L0000880     VOLUME   474227.843 3752940.992 472.63
   LOCATION L0000881     VOLUME   474227.432 3752949.573 472.60
   LOCATION L0000882     VOLUME   474227.021 3752958.153 472.57
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Alessandro Boulevard B/n Day Street and I-215 Ramps
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 5.173E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 8
** 474226.366, 3752966.059, 472.63, 3.49, 4.00
** 474226.366, 3752981.067, 472.63, 3.49, 4.00
** 474115.948, 3752980.353, 470.77, 3.49, 4.00
** 473968.723, 3752979.638, 470.51, 3.49, 4.00
** 473851.873, 3752976.422, 468.90, 3.49, 4.00
** 473505.966, 3752974.992, 467.57, 3.49, 4.00
** 473487.027, 3752966.774, 468.73, 3.49, 4.00
** 473436.642, 3752966.774, 464.41, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000883     VOLUME   474226.366 3752970.354 472.53
   LOCATION L0000884     VOLUME   474226.366 3752978.944 472.50
   LOCATION L0000885     VOLUME   474219.900 3752981.025 472.40
   LOCATION L0000886     VOLUME   474211.310 3752980.970 472.26
   LOCATION L0000887     VOLUME   474202.720 3752980.914 472.08
   LOCATION L0000888     VOLUME   474194.130 3752980.859 471.86
   LOCATION L0000889     VOLUME   474185.541 3752980.803 471.64
   LOCATION L0000890     VOLUME   474176.951 3752980.747 471.47
   LOCATION L0000891     VOLUME   474168.361 3752980.692 471.33
   LOCATION L0000892     VOLUME   474159.771 3752980.636 471.19
   LOCATION L0000893     VOLUME   474151.181 3752980.581 471.10
   LOCATION L0000894     VOLUME   474142.591 3752980.525 471.06
   LOCATION L0000895     VOLUME   474134.002 3752980.469 471.01
   LOCATION L0000896     VOLUME   474125.412 3752980.414 470.96
   LOCATION L0000897     VOLUME   474116.822 3752980.358 470.91
   LOCATION L0000898     VOLUME   474108.232 3752980.315 470.85
   LOCATION L0000899     VOLUME   474099.642 3752980.273 470.75
   LOCATION L0000900     VOLUME   474091.052 3752980.232 470.61
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LOCATION L0000901     VOLUME   474082.462 3752980.190 470.48
LOCATION L0000902     VOLUME   474073.872 3752980.148 470.42
LOCATION L0000903     VOLUME   474065.283 3752980.107 470.41
LOCATION L0000904     VOLUME   474056.693 3752980.065 470.41
LOCATION L0000905     VOLUME   474048.103 3752980.023 470.47
LOCATION L0000906     VOLUME   474039.513 3752979.981 470.57
LOCATION L0000907     VOLUME   474030.923 3752979.940 470.68
LOCATION L0000908     VOLUME   474022.333 3752979.898 470.69
LOCATION L0000909     VOLUME   474013.743 3752979.856 470.64
LOCATION L0000910     VOLUME   474005.153 3752979.815 470.59
LOCATION L0000911     VOLUME   473996.563 3752979.773 470.55
LOCATION L0000912     VOLUME   473987.973 3752979.731 470.52
LOCATION L0000913     VOLUME   473979.384 3752979.690 470.49
LOCATION L0000914     VOLUME   473970.794 3752979.648 470.45
LOCATION L0000915     VOLUME   473962.206 3752979.458 470.41
LOCATION L0000916     VOLUME   473953.619 3752979.222 470.37
LOCATION L0000917     VOLUME   473945.033 3752978.986 470.25
LOCATION L0000918     VOLUME   473936.446 3752978.749 470.09
LOCATION L0000919     VOLUME   473927.859 3752978.513 469.94
LOCATION L0000920     VOLUME   473919.272 3752978.277 469.75
LOCATION L0000921     VOLUME   473910.686 3752978.040 469.54
LOCATION L0000922     VOLUME   473902.099 3752977.804 469.33
LOCATION L0000923     VOLUME   473893.512 3752977.568 469.19
LOCATION L0000924     VOLUME   473884.925 3752977.331 469.09
LOCATION L0000925     VOLUME   473876.339 3752977.095 468.99
LOCATION L0000926     VOLUME   473867.752 3752976.859 468.90
LOCATION L0000927     VOLUME   473859.165 3752976.622 468.83
LOCATION L0000928     VOLUME   473850.578 3752976.416 468.76
LOCATION L0000929     VOLUME   473841.988 3752976.381 468.71
LOCATION L0000930     VOLUME   473833.398 3752976.345 468.66
LOCATION L0000931     VOLUME   473824.808 3752976.310 468.62
LOCATION L0000932     VOLUME   473816.218 3752976.274 468.62
LOCATION L0000933     VOLUME   473807.628 3752976.239 468.66
LOCATION L0000934     VOLUME   473799.038 3752976.203 468.69
LOCATION L0000935     VOLUME   473790.448 3752976.168 468.82
LOCATION L0000936     VOLUME   473781.859 3752976.132 468.99
LOCATION L0000937     VOLUME   473773.269 3752976.097 469.16
LOCATION L0000938     VOLUME   473764.679 3752976.061 469.27
LOCATION L0000939     VOLUME   473756.089 3752976.026 469.34
LOCATION L0000940     VOLUME   473747.499 3752975.990 469.42
LOCATION L0000941     VOLUME   473738.909 3752975.955 469.43
LOCATION L0000942     VOLUME   473730.319 3752975.919 469.41
LOCATION L0000943     VOLUME   473721.729 3752975.884 469.39
LOCATION L0000944     VOLUME   473713.139 3752975.848 469.34
LOCATION L0000945     VOLUME   473704.549 3752975.813 469.28
LOCATION L0000946     VOLUME   473695.959 3752975.777 469.22
LOCATION L0000947     VOLUME   473687.369 3752975.742 469.13
LOCATION L0000948     VOLUME   473678.779 3752975.706 469.03
LOCATION L0000949     VOLUME   473670.190 3752975.671 468.93
LOCATION L0000950     VOLUME   473661.600 3752975.636 468.79
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   LOCATION L0000951     VOLUME   473653.010 3752975.600 468.63
   LOCATION L0000952     VOLUME   473644.420 3752975.565 468.47
   LOCATION L0000953     VOLUME   473635.830 3752975.529 468.35
   LOCATION L0000954     VOLUME   473627.240 3752975.494 468.23
   LOCATION L0000955     VOLUME   473618.650 3752975.458 468.12
   LOCATION L0000956     VOLUME   473610.060 3752975.423 468.04
   LOCATION L0000957     VOLUME   473601.470 3752975.387 467.97
   LOCATION L0000958     VOLUME   473592.880 3752975.352 467.90
   LOCATION L0000959     VOLUME   473584.290 3752975.316 467.86
   LOCATION L0000960     VOLUME   473575.700 3752975.281 467.84
   LOCATION L0000961     VOLUME   473567.110 3752975.245 467.82
   LOCATION L0000962     VOLUME   473558.520 3752975.210 467.77
   LOCATION L0000963     VOLUME   473549.931 3752975.174 467.73
   LOCATION L0000964     VOLUME   473541.341 3752975.139 467.68
   LOCATION L0000965     VOLUME   473532.751 3752975.103 467.64
   LOCATION L0000966     VOLUME   473524.161 3752975.068 467.59
   LOCATION L0000967     VOLUME   473515.571 3752975.032 467.55
   LOCATION L0000968     VOLUME   473506.981 3752974.997 467.76
   LOCATION L0000969     VOLUME   473499.017 3752971.977 468.19
   LOCATION L0000970     VOLUME   473491.137 3752968.557 468.65
   LOCATION L0000971     VOLUME   473482.917 3752966.774 468.71
   LOCATION L0000972     VOLUME   473474.327 3752966.774 468.65
   LOCATION L0000973     VOLUME   473465.737 3752966.774 468.58
   LOCATION L0000974     VOLUME   473457.147 3752966.774 467.66
   LOCATION L0000975     VOLUME   473448.557 3752966.774 466.25
   LOCATION L0000976     VOLUME   473439.967 3752966.774 464.84
** End of LINE VOLUME Source ID = SLINE3
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Drive Aisle
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 6.967E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 474231.386, 3752593.404, 473.05, 3.49, 3.95
** 474386.054, 3752593.825, 472.59, 3.49, 3.95
** 474382.692, 3752757.739, 473.21, 3.49, 3.95
** 474233.067, 3752756.058, 473.39, 3.49, 3.95
** ------------------------------------------------------------------------
   LOCATION L0000977     VOLUME   474235.636 3752593.416 472.99
   LOCATION L0000978     VOLUME   474244.136 3752593.439 472.87
   LOCATION L0000979     VOLUME   474252.636 3752593.462 472.74
   LOCATION L0000980     VOLUME   474261.136 3752593.485 472.65
   LOCATION L0000981     VOLUME   474269.636 3752593.508 472.59
   LOCATION L0000982     VOLUME   474278.136 3752593.531 472.54
   LOCATION L0000983     VOLUME   474286.636 3752593.554 472.50
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   LOCATION L0000984     VOLUME   474295.135 3752593.578 472.48
   LOCATION L0000985     VOLUME   474303.635 3752593.601 472.45
   LOCATION L0000986     VOLUME   474312.135 3752593.624 472.44
   LOCATION L0000987     VOLUME   474320.635 3752593.647 472.46
   LOCATION L0000988     VOLUME   474329.135 3752593.670 472.47
   LOCATION L0000989     VOLUME   474337.635 3752593.693 472.49
   LOCATION L0000990     VOLUME   474346.135 3752593.716 472.51
   LOCATION L0000991     VOLUME   474354.635 3752593.739 472.53
   LOCATION L0000992     VOLUME   474363.135 3752593.762 472.54
   LOCATION L0000993     VOLUME   474371.635 3752593.785 472.54
   LOCATION L0000994     VOLUME   474380.135 3752593.809 472.55
   LOCATION L0000995     VOLUME   474386.001 3752596.405 472.59
   LOCATION L0000996     VOLUME   474385.827 3752604.903 472.63
   LOCATION L0000997     VOLUME   474385.652 3752613.402 472.67
   LOCATION L0000998     VOLUME   474385.478 3752621.900 472.71
   LOCATION L0000999     VOLUME   474385.304 3752630.398 472.74
   LOCATION L0001000     VOLUME   474385.129 3752638.896 472.77
   LOCATION L0001001     VOLUME   474384.955 3752647.394 472.79
   LOCATION L0001002     VOLUME   474384.781 3752655.893 472.82
   LOCATION L0001003     VOLUME   474384.606 3752664.391 472.84
   LOCATION L0001004     VOLUME   474384.432 3752672.889 472.85
   LOCATION L0001005     VOLUME   474384.258 3752681.387 472.86
   LOCATION L0001006     VOLUME   474384.083 3752689.886 472.88
   LOCATION L0001007     VOLUME   474383.909 3752698.384 472.87
   LOCATION L0001008     VOLUME   474383.735 3752706.882 472.86
   LOCATION L0001009     VOLUME   474383.561 3752715.380 472.85
   LOCATION L0001010     VOLUME   474383.386 3752723.878 472.88
   LOCATION L0001011     VOLUME   474383.212 3752732.377 472.96
   LOCATION L0001012     VOLUME   474383.038 3752740.875 473.04
   LOCATION L0001013     VOLUME   474382.863 3752749.373 473.12
   LOCATION L0001014     VOLUME   474382.560 3752757.738 473.35
   LOCATION L0001015     VOLUME   474374.060 3752757.642 473.37
   LOCATION L0001016     VOLUME   474365.561 3752757.547 473.39
   LOCATION L0001017     VOLUME   474357.061 3752757.451 473.41
   LOCATION L0001018     VOLUME   474348.562 3752757.356 473.42
   LOCATION L0001019     VOLUME   474340.062 3752757.260 473.43
   LOCATION L0001020     VOLUME   474331.563 3752757.165 473.44
   LOCATION L0001021     VOLUME   474323.063 3752757.069 473.43
   LOCATION L0001022     VOLUME   474314.564 3752756.974 473.42
   LOCATION L0001023     VOLUME   474306.065 3752756.878 473.40
   LOCATION L0001024     VOLUME   474297.565 3752756.783 473.37
   LOCATION L0001025     VOLUME   474289.066 3752756.687 473.34
   LOCATION L0001026     VOLUME   474280.566 3752756.592 473.32
   LOCATION L0001027     VOLUME   474272.067 3752756.496 473.33
   LOCATION L0001028     VOLUME   474263.567 3752756.401 473.34
   LOCATION L0001029     VOLUME   474255.068 3752756.305 473.36
   LOCATION L0001030     VOLUME   474246.568 3752756.210 473.37
   LOCATION L0001031     VOLUME   474238.069 3752756.114 473.39
** End of LINE VOLUME Source ID = SLINE4
** ----------------------------------------------------------------------
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Loading Area
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00004317
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 474350.664, 3752734.137, 473.14, 3.49, 4.00
** 474352.676, 3752621.671, 473.01, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0001032     VOLUME   474350.740 3752729.843 473.06
   LOCATION L0001033     VOLUME   474350.894 3752721.254 473.00
   LOCATION L0001034     VOLUME   474351.048 3752712.666 473.04
   LOCATION L0001035     VOLUME   474351.201 3752704.077 473.10
   LOCATION L0001036     VOLUME   474351.355 3752695.488 473.15
   LOCATION L0001037     VOLUME   474351.509 3752686.900 473.19
   LOCATION L0001038     VOLUME   474351.662 3752678.311 473.20
   LOCATION L0001039     VOLUME   474351.816 3752669.723 473.21
   LOCATION L0001040     VOLUME   474351.970 3752661.134 473.22
   LOCATION L0001041     VOLUME   474352.123 3752652.545 473.20
   LOCATION L0001042     VOLUME   474352.277 3752643.957 473.16
   LOCATION L0001043     VOLUME   474352.431 3752635.368 473.12
   LOCATION L0001044     VOLUME   474352.584 3752626.779 473.08
** End of LINE VOLUME Source ID = SLINE5
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000840     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000841     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000842     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000843     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000844     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000845     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000846     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000847     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000848     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000849     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000850     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000851     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000852     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000853     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000854     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000855     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000856     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000857     0.00000003952      3.49      4.00      3.25
   SRCPARAM L0000858     0.00000003952      3.49      4.00      3.25
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
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   SRCPARAM L0000859     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000860     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000861     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000862     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000863     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000864     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000865     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000866     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000867     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000868     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000869     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000870     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000871     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000872     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000873     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000874     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000875     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000876     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000877     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000878     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000879     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000880     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000881     0.00000007917      3.49      4.00      3.25
   SRCPARAM L0000882     0.00000007917      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000883     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000884     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000885     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000886     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000887     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000888     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000889     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000890     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000891     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000892     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000893     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000894     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000895     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000896     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000897     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000898     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000899     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000900     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000901     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000902     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000903     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000904     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000905     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000906     0.00000005503      3.49      4.00      3.25
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SRCPARAM L0000907     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000908     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000909     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000910     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000911     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000912     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000913     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000914     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000915     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000916     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000917     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000918     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000919     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000920     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000921     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000922     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000923     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000924     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000925     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000926     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000927     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000928     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000929     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000930     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000931     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000932     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000933     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000934     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000935     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000936     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000937     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000938     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000939     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000940     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000941     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000942     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000943     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000944     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000945     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000946     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000947     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000948     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000949     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000950     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000951     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000952     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000953     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000954     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000955     0.00000005503      3.49      4.00      3.25
SRCPARAM L0000956     0.00000005503      3.49      4.00      3.25
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   SRCPARAM L0000957     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000958     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000959     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000960     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000961     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000962     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000963     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000964     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000965     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000966     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000967     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000968     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000969     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000970     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000971     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000972     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000973     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000974     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000975     0.00000005503      3.49      4.00      3.25
   SRCPARAM L0000976     0.00000005503      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000977     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000978     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000979     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000980     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000981     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000982     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000983     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000984     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000985     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000986     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000987     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000988     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000989     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000990     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000991     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000992     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000993     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000994     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000995     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000996     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000997     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000998     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0000999     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001000     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001001     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001002     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001003     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001004     0.0000001267      3.49      3.95      3.25
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   SRCPARAM L0001005     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001006     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001007     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001008     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001009     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001010     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001011     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001012     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001013     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001014     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001015     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001016     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001017     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001018     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001019     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001020     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001021     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001022     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001023     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001024     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001025     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001026     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001027     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001028     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001029     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001030     0.0000001267      3.49      3.95      3.25
   SRCPARAM L0001031     0.0000001267      3.49      3.95      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0001032     0.000003321       3.49      4.00      3.25
   SRCPARAM L0001033     0.000003321       3.49      4.00      3.25
   SRCPARAM L0001034     0.000003321       3.49      4.00      3.25
   SRCPARAM L0001035     0.000003321       3.49      4.00      3.25
   SRCPARAM L0001036     0.000003321       3.49      4.00      3.25
   SRCPARAM L0001037     0.000003321       3.49      4.00      3.25
   SRCPARAM L0001038     0.000003321       3.49      4.00      3.25
   SRCPARAM L0001039     0.000003321       3.49      4.00      3.25
   SRCPARAM L0001040     0.000003321       3.49      4.00      3.25
   SRCPARAM L0001041     0.000003321       3.49      4.00      3.25
   SRCPARAM L0001042     0.000003321       3.49      4.00      3.25
   SRCPARAM L0001043     0.000003321       3.49      4.00      3.25
   SRCPARAM L0001044     0.000003321       3.49      4.00      3.25
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
```

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**
**
RE STARTING
   INCLUDED ProjAB2.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "..\..\Desktop\_HRA_MET and TOPO data\PERI_V9_ADJU\PERI_v9.SFC"
   PROFFILE "..\..\Desktop\_HRA_MET and TOPO data\PERI_V9_ADJU\PERI_v9.PFL"
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
****
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL PROJAB2.AD\PE00GALL.PLT 31
   SUMMFILE ProjAB2.sum
OU FINISHED

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

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

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


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

    ********   WARNING MESSAGES   ********
 ME W186     569       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     569       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for   205 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   2189641.0 ; Urban Roughness Length = 1.000 m

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

**Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates PERIOD Averages Only

**This Run Includes: 205 Source(s);   1 Source Group(s); and   784 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 205 VOLUME source(s)
                and: 0 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

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

**The AERMET Input Meteorological Data Version Date:  16216

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   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 =      3.7 MB of RAM.

**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out

**Detailed Error/Message File:   ProjAB2.err
**File for Summary of Results:   ProjAB2.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000840	0	0.39520E-07	474227.5	3752594.4	473.0	3.49	4.00	3.25	YES	
L0000841	0	0.39520E-07	474227.6	3752603.0	473.1	3.49	4.00	3.25	YES	
L0000842	0	0.39520E-07	474227.6	3752611.6	473.1	3.49	4.00	3.25	YES	
L0000843	0	0.39520E-07	474227.6	3752620.1	473.2	3.49	4.00	3.25	YES	
L0000844	0	0.39520E-07	474227.6	3752628.7	473.2	3.49	4.00	3.25	YES	
L0000845	0	0.39520E-07	474227.7	3752637.3	473.2	3.49	4.00	3.25	YES	
L0000846	0	0.39520E-07	474227.7	3752645.9	473.3	3.49	4.00	3.25	YES	
L0000847	0	0.39520E-07	474227.7	3752654.5	473.3	3.49	4.00	3.25	YES	
L0000848	0	0.39520E-07	474227.8	3752663.1	473.3	3.49	4.00	3.25	YES	
L0000849	0	0.39520E-07	474227.8	3752671.7	473.4	3.49	4.00	3.25	YES	
L0000850	0	0.39520E-07	474227.8	3752680.3	473.4	3.49	4.00	3.25	YES	
L0000851	0	0.39520E-07	474227.9	3752688.9	473.4	3.49	4.00	3.25	YES	
L0000852	0	0.39520E-07	474227.9	3752697.5	473.4	3.49	4.00	3.25	YES	
L0000853	0	0.39520E-07	474227.9	3752706.0	473.4	3.49	4.00	3.25	YES	
L0000854	0	0.39520E-07	474227.9	3752714.6	473.4	3.49	4.00	3.25	YES	
L0000855	0	0.39520E-07	474228.0	3752723.2	473.4	3.49	4.00	3.25	YES	
L0000856	0	0.39520E-07	474228.0	3752731.8	473.4	3.49	4.00	3.25	YES	
L0000857	0	0.39520E-07	474228.0	3752740.4	473.3	3.49	4.00	3.25	YES	
L0000858	0	0.39520E-07	474228.1	3752749.0	473.3	3.49	4.00	3.25	YES	
L0000859	0	0.79170E-07	474227.3	3752760.7	473.1	3.49	4.00	3.25	YES	
L0000860	0	0.79170E-07	474227.4	3752769.2	473.1	3.49	4.00	3.25	YES	
L0000861	0	0.79170E-07	474227.6	3752777.8	473.0	3.49	4.00	3.25	YES	
L0000862	0	0.79170E-07	474227.7	3752786.4	473.0	3.49	4.00	3.25	YES	
L0000863	0	0.79170E-07	474227.9	3752795.0	473.0	3.49	4.00	3.25	YES	
L0000864	0	0.79170E-07	474228.0	3752803.6	472.9	3.49	4.00	3.25	YES	
L0000865	0	0.79170E-07	474228.1	3752812.2	472.9	3.49	4.00	3.25	YES	
L0000866	0	0.79170E-07	474228.2	3752820.8	472.9	3.49	4.00	3.25	YES	
L0000867	0	0.79170E-07	474228.4	3752829.4	473.0	3.49	4.00	3.25	YES	
L0000868	0	0.79170E-07	474228.5	3752838.0	473.0	3.49	4.00	3.25	YES	
L0000869	0	0.79170E-07	474228.6	3752846.5	473.0	3.49	4.00	3.25	YES	
L0000870	0	0.79170E-07	474228.7	3752855.1	473.0	3.49	4.00	3.25	YES	
L0000871	0	0.79170E-07	474228.8	3752863.7	473.0	3.49	4.00	3.25	YES	
L0000872	0	0.79170E-07	474228.9	3752872.3	473.1	3.49	4.00	3.25	YES	
L0000873	0	0.79170E-07	474229.0	3752880.9	473.0	3.49	4.00	3.25	YES	
L0000874	0	0.79170E-07	474229.1	3752889.5	473.0	3.49	4.00	3.25	YES	
L0000875	0	0.79170E-07	474229.2	3752898.1	473.0	3.49	4.00	3.25	YES	
L0000876	0	0.79170E-07	474229.3	3752906.7	472.9	3.49	4.00	3.25	YES	
L0000877	0	0.79170E-07	474229.1	3752915.3	472.9	3.49	4.00	3.25	YES	
L0000878	0	0.79170E-07	474228.7	3752923.8	472.8	3.49	4.00	3.25	YES	
L0000879	0	0.79170E-07	474228.3	3752932.4	472.7	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000880	0	0.79170E-07	474227.8	3752941.0	472.6	3.49	4.00	3.25	YES	
L0000881	0	0.79170E-07	474227.4	3752949.6	472.6	3.49	4.00	3.25	YES	
L0000882	0	0.79170E-07	474227.0	3752958.2	472.6	3.49	4.00	3.25	YES	
L0000883	0	0.55030E-07	474226.4	3752970.4	472.5	3.49	4.00	3.25	YES	
L0000884	0	0.55030E-07	474226.4	3752978.9	472.5	3.49	4.00	3.25	YES	
L0000885	0	0.55030E-07	474219.9	3752981.0	472.4	3.49	4.00	3.25	YES	
L0000886	0	0.55030E-07	474211.3	3752981.0	472.3	3.49	4.00	3.25	YES	
L0000887	0	0.55030E-07	474202.7	3752980.9	472.1	3.49	4.00	3.25	YES	
L0000888	0	0.55030E-07	474194.1	3752980.9	471.9	3.49	4.00	3.25	YES	
L0000889	0	0.55030E-07	474185.5	3752980.8	471.6	3.49	4.00	3.25	YES	
L0000890	0	0.55030E-07	474177.0	3752980.7	471.5	3.49	4.00	3.25	YES	
L0000891	0	0.55030E-07	474168.4	3752980.7	471.3	3.49	4.00	3.25	YES	
L0000892	0	0.55030E-07	474159.8	3752980.6	471.2	3.49	4.00	3.25	YES	
L0000893	0	0.55030E-07	474151.2	3752980.6	471.1	3.49	4.00	3.25	YES	
L0000894	0	0.55030E-07	474142.6	3752980.5	471.1	3.49	4.00	3.25	YES	
L0000895	0	0.55030E-07	474134.0	3752980.5	471.0	3.49	4.00	3.25	YES	
L0000896	0	0.55030E-07	474125.4	3752980.4	471.0	3.49	4.00	3.25	YES	
L0000897	0	0.55030E-07	474116.8	3752980.4	470.9	3.49	4.00	3.25	YES	
L0000898	0	0.55030E-07	474108.2	3752980.3	470.9	3.49	4.00	3.25	YES	
L0000899	0	0.55030E-07	474099.6	3752980.3	470.8	3.49	4.00	3.25	YES	
L0000900	0	0.55030E-07	474091.1	3752980.2	470.6	3.49	4.00	3.25	YES	
L0000901	0	0.55030E-07	474082.5	3752980.2	470.5	3.49	4.00	3.25	YES	
L0000902	0	0.55030E-07	474073.9	3752980.1	470.4	3.49	4.00	3.25	YES	
L0000903	0	0.55030E-07	474065.3	3752980.1	470.4	3.49	4.00	3.25	YES	
L0000904	0	0.55030E-07	474056.7	3752980.1	470.4	3.49	4.00	3.25	YES	
L0000905	0	0.55030E-07	474048.1	3752980.0	470.5	3.49	4.00	3.25	YES	
L0000906	0	0.55030E-07	474039.5	3752980.0	470.6	3.49	4.00	3.25	YES	
L0000907	0	0.55030E-07	474030.9	3752979.9	470.7	3.49	4.00	3.25	YES	
L0000908	0	0.55030E-07	474022.3	3752979.9	470.7	3.49	4.00	3.25	YES	
L0000909	0	0.55030E-07	474013.7	3752979.9	470.6	3.49	4.00	3.25	YES	
L0000910	0	0.55030E-07	474005.2	3752979.8	470.6	3.49	4.00	3.25	YES	
L0000911	0	0.55030E-07	473996.6	3752979.8	470.6	3.49	4.00	3.25	YES	
L0000912	0	0.55030E-07	473988.0	3752979.7	470.5	3.49	4.00	3.25	YES	
L0000913	0	0.55030E-07	473979.4	3752979.7	470.5	3.49	4.00	3.25	YES	
L0000914	0	0.55030E-07	473970.8	3752979.6	470.4	3.49	4.00	3.25	YES	
L0000915	0	0.55030E-07	473962.2	3752979.5	470.4	3.49	4.00	3.25	YES	
L0000916	0	0.55030E-07	473953.6	3752979.2	470.4	3.49	4.00	3.25	YES	
L0000917	0	0.55030E-07	473945.0	3752979.0	470.2	3.49	4.00	3.25	YES	
L0000918	0	0.55030E-07	473936.4	3752978.7	470.1	3.49	4.00	3.25	YES	
L0000919	0	0.55030E-07	473927.9	3752978.5	469.9	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000920	0	0.55030E-07	473919.3	3752978.3	469.8	3.49	4.00	3.25	YES	
L0000921	0	0.55030E-07	473910.7	3752978.0	469.5	3.49	4.00	3.25	YES	
L0000922	0	0.55030E-07	473902.1	3752977.8	469.3	3.49	4.00	3.25	YES	
L0000923	0	0.55030E-07	473893.5	3752977.6	469.2	3.49	4.00	3.25	YES	
L0000924	0	0.55030E-07	473884.9	3752977.3	469.1	3.49	4.00	3.25	YES	
L0000925	0	0.55030E-07	473876.3	3752977.1	469.0	3.49	4.00	3.25	YES	
L0000926	0	0.55030E-07	473867.8	3752976.9	468.9	3.49	4.00	3.25	YES	
L0000927	0	0.55030E-07	473859.2	3752976.6	468.8	3.49	4.00	3.25	YES	
L0000928	0	0.55030E-07	473850.6	3752976.4	468.8	3.49	4.00	3.25	YES	
L0000929	0	0.55030E-07	473842.0	3752976.4	468.7	3.49	4.00	3.25	YES	
L0000930	0	0.55030E-07	473833.4	3752976.3	468.7	3.49	4.00	3.25	YES	
L0000931	0	0.55030E-07	473824.8	3752976.3	468.6	3.49	4.00	3.25	YES	
L0000932	0	0.55030E-07	473816.2	3752976.3	468.6	3.49	4.00	3.25	YES	
L0000933	0	0.55030E-07	473807.6	3752976.2	468.7	3.49	4.00	3.25	YES	
L0000934	0	0.55030E-07	473799.0	3752976.2	468.7	3.49	4.00	3.25	YES	
L0000935	0	0.55030E-07	473790.4	3752976.2	468.8	3.49	4.00	3.25	YES	
L0000936	0	0.55030E-07	473781.9	3752976.1	469.0	3.49	4.00	3.25	YES	
L0000937	0	0.55030E-07	473773.3	3752976.1	469.2	3.49	4.00	3.25	YES	
L0000938	0	0.55030E-07	473764.7	3752976.1	469.3	3.49	4.00	3.25	YES	
L0000939	0	0.55030E-07	473756.1	3752976.0	469.3	3.49	4.00	3.25	YES	
L0000940	0	0.55030E-07	473747.5	3752976.0	469.4	3.49	4.00	3.25	YES	
L0000941	0	0.55030E-07	473738.9	3752976.0	469.4	3.49	4.00	3.25	YES	
L0000942	0	0.55030E-07	473730.3	3752975.9	469.4	3.49	4.00	3.25	YES	
L0000943	0	0.55030E-07	473721.7	3752975.9	469.4	3.49	4.00	3.25	YES	
L0000944	0	0.55030E-07	473713.1	3752975.8	469.3	3.49	4.00	3.25	YES	
L0000945	0	0.55030E-07	473704.5	3752975.8	469.3	3.49	4.00	3.25	YES	
L0000946	0	0.55030E-07	473696.0	3752975.8	469.2	3.49	4.00	3.25	YES	
L0000947	0	0.55030E-07	473687.4	3752975.7	469.1	3.49	4.00	3.25	YES	
L0000948	0	0.55030E-07	473678.8	3752975.7	469.0	3.49	4.00	3.25	YES	
L0000949	0	0.55030E-07	473670.2	3752975.7	468.9	3.49	4.00	3.25	YES	
L0000950	0	0.55030E-07	473661.6	3752975.6	468.8	3.49	4.00	3.25	YES	
L0000951	0	0.55030E-07	473653.0	3752975.6	468.6	3.49	4.00	3.25	YES	
L0000952	0	0.55030E-07	473644.4	3752975.6	468.5	3.49	4.00	3.25	YES	
L0000953	0	0.55030E-07	473635.8	3752975.5	468.4	3.49	4.00	3.25	YES	
L0000954	0	0.55030E-07	473627.2	3752975.5	468.2	3.49	4.00	3.25	YES	
L0000955	0	0.55030E-07	473618.6	3752975.5	468.1	3.49	4.00	3.25	YES	
L0000956	0	0.55030E-07	473610.1	3752975.4	468.0	3.49	4.00	3.25	YES	
L0000957	0	0.55030E-07	473601.5	3752975.4	468.0	3.49	4.00	3.25	YES	
L0000958	0	0.55030E-07	473592.9	3752975.4	467.9	3.49	4.00	3.25	YES	
L0000959	0	0.55030E-07	473584.3	3752975.3	467.9	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000960	0	0.55030E-07	473575.7	3752975.3	467.8	3.49	4.00	3.25	YES	
L0000961	0	0.55030E-07	473567.1	3752975.2	467.8	3.49	4.00	3.25	YES	
L0000962	0	0.55030E-07	473558.5	3752975.2	467.8	3.49	4.00	3.25	YES	
L0000963	0	0.55030E-07	473549.9	3752975.2	467.7	3.49	4.00	3.25	YES	
L0000964	0	0.55030E-07	473541.3	3752975.1	467.7	3.49	4.00	3.25	YES	
L0000965	0	0.55030E-07	473532.8	3752975.1	467.6	3.49	4.00	3.25	YES	
L0000966	0	0.55030E-07	473524.2	3752975.1	467.6	3.49	4.00	3.25	YES	
L0000967	0	0.55030E-07	473515.6	3752975.0	467.6	3.49	4.00	3.25	YES	
L0000968	0	0.55030E-07	473507.0	3752975.0	467.8	3.49	4.00	3.25	YES	
L0000969	0	0.55030E-07	473499.0	3752972.0	468.2	3.49	4.00	3.25	YES	
L0000970	0	0.55030E-07	473491.1	3752968.6	468.7	3.49	4.00	3.25	YES	
L0000971	0	0.55030E-07	473482.9	3752966.8	468.7	3.49	4.00	3.25	YES	
L0000972	0	0.55030E-07	473474.3	3752966.8	468.7	3.49	4.00	3.25	YES	
L0000973	0	0.55030E-07	473465.7	3752966.8	468.6	3.49	4.00	3.25	YES	
L0000974	0	0.55030E-07	473457.1	3752966.8	467.7	3.49	4.00	3.25	YES	
L0000975	0	0.55030E-07	473448.6	3752966.8	466.2	3.49	4.00	3.25	YES	
L0000976	0	0.55030E-07	473440.0	3752966.8	464.8	3.49	4.00	3.25	YES	
L0000977	0	0.12670E-06	474235.6	3752593.4	473.0	3.49	3.95	3.25	YES	
L0000978	0	0.12670E-06	474244.1	3752593.4	472.9	3.49	3.95	3.25	YES	
L0000979	0	0.12670E-06	474252.6	3752593.5	472.7	3.49	3.95	3.25	YES	
L0000980	0	0.12670E-06	474261.1	3752593.5	472.7	3.49	3.95	3.25	YES	
L0000981	0	0.12670E-06	474269.6	3752593.5	472.6	3.49	3.95	3.25	YES	
L0000982	0	0.12670E-06	474278.1	3752593.5	472.5	3.49	3.95	3.25	YES	
L0000983	0	0.12670E-06	474286.6	3752593.6	472.5	3.49	3.95	3.25	YES	
L0000984	0	0.12670E-06	474295.1	3752593.6	472.5	3.49	3.95	3.25	YES	
L0000985	0	0.12670E-06	474303.6	3752593.6	472.4	3.49	3.95	3.25	YES	
L0000986	0	0.12670E-06	474312.1	3752593.6	472.4	3.49	3.95	3.25	YES	
L0000987	0	0.12670E-06	474320.6	3752593.6	472.5	3.49	3.95	3.25	YES	
L0000988	0	0.12670E-06	474329.1	3752593.7	472.5	3.49	3.95	3.25	YES	
L0000989	0	0.12670E-06	474337.6	3752593.7	472.5	3.49	3.95	3.25	YES	
L0000990	0	0.12670E-06	474346.1	3752593.7	472.5	3.49	3.95	3.25	YES	
L0000991	0	0.12670E-06	474354.6	3752593.7	472.5	3.49	3.95	3.25	YES	
L0000992	0	0.12670E-06	474363.1	3752593.8	472.5	3.49	3.95	3.25	YES	
L0000993	0	0.12670E-06	474371.6	3752593.8	472.5	3.49	3.95	3.25	YES	
L0000994	0	0.12670E-06	474380.1	3752593.8	472.6	3.49	3.95	3.25	YES	
L0000995	0	0.12670E-06	474386.0	3752596.4	472.6	3.49	3.95	3.25	YES	
L0000996	0	0.12670E-06	474385.8	3752604.9	472.6	3.49	3.95	3.25	YES	
L0000997	0	0.12670E-06	474385.7	3752613.4	472.7	3.49	3.95	3.25	YES	
L0000998	0	0.12670E-06	474385.5	3752621.9	472.7	3.49	3.95	3.25	YES	
L0000999	0	0.12670E-06	474385.3	3752630.4	472.7	3.49	3.95	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001000	0	0.12670E-06	474385.1	3752638.9	472.8	3.49	3.95	3.25	YES	
L0001001	0	0.12670E-06	474385.0	3752647.4	472.8	3.49	3.95	3.25	YES	
L0001002	0	0.12670E-06	474384.8	3752655.9	472.8	3.49	3.95	3.25	YES	
L0001003	0	0.12670E-06	474384.6	3752664.4	472.8	3.49	3.95	3.25	YES	
L0001004	0	0.12670E-06	474384.4	3752672.9	472.9	3.49	3.95	3.25	YES	
L0001005	0	0.12670E-06	474384.3	3752681.4	472.9	3.49	3.95	3.25	YES	
L0001006	0	0.12670E-06	474384.1	3752689.9	472.9	3.49	3.95	3.25	YES	
L0001007	0	0.12670E-06	474383.9	3752698.4	472.9	3.49	3.95	3.25	YES	
L0001008	0	0.12670E-06	474383.7	3752706.9	472.9	3.49	3.95	3.25	YES	
L0001009	0	0.12670E-06	474383.6	3752715.4	472.9	3.49	3.95	3.25	YES	
L0001010	0	0.12670E-06	474383.4	3752723.9	472.9	3.49	3.95	3.25	YES	
L0001011	0	0.12670E-06	474383.2	3752732.4	473.0	3.49	3.95	3.25	YES	
L0001012	0	0.12670E-06	474383.0	3752740.9	473.0	3.49	3.95	3.25	YES	
L0001013	0	0.12670E-06	474382.9	3752749.4	473.1	3.49	3.95	3.25	YES	
L0001014	0	0.12670E-06	474382.6	3752757.7	473.4	3.49	3.95	3.25	YES	
L0001015	0	0.12670E-06	474374.1	3752757.6	473.4	3.49	3.95	3.25	YES	
L0001016	0	0.12670E-06	474365.6	3752757.5	473.4	3.49	3.95	3.25	YES	
L0001017	0	0.12670E-06	474357.1	3752757.5	473.4	3.49	3.95	3.25	YES	
L0001018	0	0.12670E-06	474348.6	3752757.4	473.4	3.49	3.95	3.25	YES	
L0001019	0	0.12670E-06	474340.1	3752757.3	473.4	3.49	3.95	3.25	YES	
L0001020	0	0.12670E-06	474331.6	3752757.2	473.4	3.49	3.95	3.25	YES	
L0001021	0	0.12670E-06	474323.1	3752757.1	473.4	3.49	3.95	3.25	YES	
L0001022	0	0.12670E-06	474314.6	3752757.0	473.4	3.49	3.95	3.25	YES	
L0001023	0	0.12670E-06	474306.1	3752756.9	473.4	3.49	3.95	3.25	YES	
L0001024	0	0.12670E-06	474297.6	3752756.8	473.4	3.49	3.95	3.25	YES	
L0001025	0	0.12670E-06	474289.1	3752756.7	473.3	3.49	3.95	3.25	YES	
L0001026	0	0.12670E-06	474280.6	3752756.6	473.3	3.49	3.95	3.25	YES	
L0001027	0	0.12670E-06	474272.1	3752756.5	473.3	3.49	3.95	3.25	YES	
L0001028	0	0.12670E-06	474263.6	3752756.4	473.3	3.49	3.95	3.25	YES	
L0001029	0	0.12670E-06	474255.1	3752756.3	473.4	3.49	3.95	3.25	YES	
L0001030	0	0.12670E-06	474246.6	3752756.2	473.4	3.49	3.95	3.25	YES	
L0001031	0	0.12670E-06	474238.1	3752756.1	473.4	3.49	3.95	3.25	YES	
L0001032	0	0.33210E-05	474350.7	3752729.8	473.1	3.49	4.00	3.25	YES	
L0001033	0	0.33210E-05	474350.9	3752721.3	473.0	3.49	4.00	3.25	YES	
L0001034	0	0.33210E-05	474351.0	3752712.7	473.0	3.49	4.00	3.25	YES	
L0001035	0	0.33210E-05	474351.2	3752704.1	473.1	3.49	4.00	3.25	YES	
L0001036	0	0.33210E-05	474351.4	3752695.5	473.2	3.49	4.00	3.25	YES	
L0001037	0	0.33210E-05	474351.5	3752686.9	473.2	3.49	4.00	3.25	YES	
L0001038	0	0.33210E-05	474351.7	3752678.3	473.2	3.49	4.00	3.25	YES	
L0001039	0	0.33210E-05	474351.8	3752669.7	473.2	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001040	0	0.33210E-05	474352.0	3752661.1	473.2	3.49	4.00	3.25	YES	
L0001041	0	0.33210E-05	474352.1	3752652.5	473.2	3.49	4.00	3.25	YES	
L0001042	0	0.33210E-05	474352.3	3752644.0	473.2	3.49	4.00	3.25	YES	
L0001043	0	0.33210E-05	474352.4	3752635.4	473.1	3.49	4.00	3.25	YES	
L0001044	0	0.33210E-05	474352.6	3752626.8	473.1	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0000840 , L0000841 , L0000842 , L0000843 , L0000844 , L0000845 , L0000846 , L0000847 ,
	L0000848 , L0000849 , L0000850 , L0000851 , L0000852 , L0000853 , L0000854 , L0000855 ,
	L0000856 , L0000857 , L0000858 , L0000859 , L0000860 , L0000861 , L0000862 , L0000863 ,
	L0000864 , L0000865 , L0000866 , L0000867 , L0000868 , L0000869 , L0000870 , L0000871 ,
	L0000872 , L0000873 , L0000874 , L0000875 , L0000876 , L0000877 , L0000878 , L0000879 ,
	L0000880 , L0000881 , L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 ,
	L0000888 , L0000889 , L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 ,
	L0000896 , L0000897 , L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 ,
	L0000904 , L0000905 , L0000906 , L0000907 , L0000908 , L0000909 , L0000910 , L0000911 ,
	L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 , L0000919 ,
	L0000920 , L0000921 , L0000922 , L0000923 , L0000924 , L0000925 , L0000926 , L0000927 ,
	L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 ,
	L0000936 , L0000937 , L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 ,
	L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 ,
	L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 ,
	L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , L0000966 , L0000967 ,
	L0000968 , L0000969 , L0000970 , L0000971 , L0000972 , L0000973 , L0000974 , L0000975 ,
	L0000976 , L0000977 , L0000978 , L0000979 , L0000980 , L0000981 , L0000982 , L0000983 ,
	L0000984 , L0000985 , L0000986 , L0000987 , L0000988 , L0000989 , L0000990 , L0000991 ,
	L0000992 , L0000993 , L0000994 , L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
	L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
	L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , L0001023 ,
	L0001024 , L0001025 , L0001026 , L0001027 , L0001028 , L0001029 , L0001030 , L0001031 ,
	L0001032 , L0001033 , L0001034 , L0001035 , L0001036 , L0001037 , L0001038 , L0001039 ,
	L0001040 , L0001041 , L0001042 , L0001043 , L0001044 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	L0000840 , L0000841 , L0000842 , L0000843 , L0000844 , L0000845 , L0000846 , L0000847 ,
		L0000848 , L0000849 , L0000850 , L0000851 , L0000852 , L0000853 , L0000854 , L0000855 ,
		L0000856 , L0000857 , L0000858 , L0000859 , L0000860 , L0000861 , L0000862 , L0000863 ,
		L0000864 , L0000865 , L0000866 , L0000867 , L0000868 , L0000869 , L0000870 , L0000871 ,
		L0000872 , L0000873 , L0000874 , L0000875 , L0000876 , L0000877 , L0000878 , L0000879 ,
		L0000880 , L0000881 , L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 ,
		L0000888 , L0000889 , L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 ,
		L0000896 , L0000897 , L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 ,
		L0000904 , L0000905 , L0000906 , L0000907 , L0000908 , L0000909 , L0000910 , L0000911 ,
		L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 , L0000919 ,
		L0000920 , L0000921 , L0000922 , L0000923 , L0000924 , L0000925 , L0000926 , L0000927 ,
		L0000928 , L0000929 , L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 ,
		L0000936 , L0000937 , L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 ,
		L0000944 , L0000945 , L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 ,
		L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 ,
		L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , L0000966 , L0000967 ,
		L0000968 , L0000969 , L0000970 , L0000971 , L0000972 , L0000973 , L0000974 , L0000975 ,
		L0000976 , L0000977 , L0000978 , L0000979 , L0000980 , L0000981 , L0000982 , L0000983 ,
		L0000984 , L0000985 , L0000986 , L0000987 , L0000988 , L0000989 , L0000990 , L0000991 ,
		L0000992 , L0000993 , L0000994 , L0000995 , L0000996 , L0000997 , L0000998 , L0000999 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
		L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 ,
		L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 ,
		L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , L0001023 ,
		L0001024 , L0001025 , L0001026 , L0001027 , L0001028 , L0001029 , L0001030 , L0001031 ,
		L0001032 , L0001033 , L0001034 , L0001035 , L0001036 , L0001037 , L0001038 , L0001039 ,
		L0001040 , L0001041 , L0001042 , L0001043 , L0001044 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

473265.3, 473315.3, 473365.3, 473415.3, 473465.3, 473515.3, 473565.3, 473615.3, 473665.3, 473715.3,
473765.3, 473815.3, 473865.3, 473915.3, 473965.3, 474015.3, 474065.3, 474115.3, 474165.3, 474215.3,
474265.3, 474315.3, 474365.3, 474415.3, 474465.3, 474515.3, 474565.3, 474615.3, 474665.3, 474715.3,
474765.3, 474815.3, 474865.3, 474915.3, 474965.3, 475015.3, 475065.3,

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

3752378.2, 3752428.2, 3752478.2, 3752528.2, 3752578.2, 3752628.2, 3752678.2, 3752728.2, 3752778.2, 3752828.2,
3752878.2, 3752928.2, 3752978.2, 3753028.2, 3753078.2, 3753128.2, 3753178.2, 3753228.2, 3753278.2, 3753328.2,
3753378.2,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 473265.34	473315.34	473365.34	473415.34	473465.34	473515.34	473565.34	473615.34	473665.34
3753378.19	463.70	464.30	466.10	468.00	468.20	468.00	467.70	468.30	468.70
3753328.19	463.60	464.00	465.50	468.40	468.70	468.60	468.50	469.20	468.90
3753278.19	463.30	463.70	464.60	468.40	468.60	468.40	468.60	468.60	468.60
3753228.19	463.30	462.80	463.90	466.70	466.70	467.00	467.40	467.80	468.20
3753178.19	464.20	461.80	463.50	464.20	464.30	465.90	467.20	467.70	468.00
3753128.19	465.30	462.00	463.50	463.60	463.20	465.60	467.60	468.90	468.50
3753078.19	466.90	463.80	463.40	464.00	463.60	464.20	466.90	468.00	468.20
3753028.19	468.60	463.30	463.00	463.70	466.40	465.90	467.50	467.80	468.40
3752978.19	471.20	469.10	467.10	463.40	468.30	467.40	467.80	468.10	468.80
3752928.19	470.70	470.10	468.70	463.60	466.60	467.00	466.60	467.40	468.30
3752878.19	468.80	468.10	467.80	464.50	464.20	465.50	464.10	466.70	468.30
3752828.19	468.60	469.10	468.20	467.30	464.40	465.80	464.70	466.00	466.30
3752778.19	467.30	469.20	468.70	467.90	465.60	465.10	465.90	466.40	465.80
3752728.19	466.20	468.70	468.30	467.50	466.60	465.70	466.30	467.50	467.00
3752678.19	469.20	467.20	469.00	468.50	468.60	466.80	466.30	468.50	468.20
3752628.19	472.30	468.50	468.50	469.50	468.90	467.90	467.40	467.50	468.90
3752578.19	472.50	471.90	468.20	469.20	469.80	469.10	468.60	467.80	468.50
3752528.19	473.20	472.80	471.60	468.10	469.70	470.20	469.30	468.60	468.40
3752478.19	474.10	473.10	472.60	470.90	468.60	470.60	470.00	469.20	469.10
3752428.19	475.00	475.00	473.80	473.20	470.00	470.10	471.40	469.90	469.20
3752378.19	476.40	476.10	475.60	474.20	473.50	469.40	471.40	470.90	470.40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 473715.34	473765.34	473815.34	473865.34	473915.34	473965.34	474015.34	474065.34	474115.34
3753378.19	469.00	469.40	470.70	471.50	471.50	471.60	472.20	472.00	472.70
3753328.19	469.00	469.60	470.20	471.00	472.40	471.50	471.40	471.50	472.30
3753278.19	468.70	469.10	469.30	470.10	471.50	471.00	470.70	470.80	471.60
3753228.19	468.70	468.50	468.90	470.60	471.30	470.70	470.30	470.20	471.00
3753178.19	468.80	468.00	469.00	470.80	470.70	469.80	469.60	469.80	471.00
3753128.19	468.70	467.90	468.00	469.10	469.20	468.90	469.00	469.60	471.50
3753078.19	467.80	467.90	467.70	468.60	469.20	469.40	469.30	469.50	471.20
3753028.19	468.60	468.50	468.00	469.00	470.00	471.00	470.40	469.70	470.90
3752978.19	469.30	469.20	468.60	468.90	469.70	470.40	470.60	470.50	470.90
3752928.19	469.30	469.90	469.40	469.10	469.30	469.90	470.80	470.90	470.90
3752878.19	469.70	470.70	470.30	469.80	469.30	469.50	470.50	470.70	470.90
3752828.19	468.00	469.60	470.50	470.60	469.80	469.60	470.00	470.50	470.90
3752778.19	466.10	468.60	470.00	470.80	470.50	470.00	469.70	470.70	470.60
3752728.19	466.20	466.80	468.20	470.00	470.60	470.60	470.20	470.70	470.90
3752678.19	466.90	466.50	467.10	469.20	470.40	470.80	470.90	471.10	471.20
3752628.19	468.00	467.30	467.00	468.50	470.10	470.60	471.00	471.00	471.30
3752578.19	469.00	468.30	468.10	467.50	469.00	470.00	470.10	470.40	470.90
3752528.19	469.10	469.40	469.30	468.40	468.20	469.30	469.50	470.30	470.60
3752478.19	469.10	469.30	469.50	469.70	468.80	469.10	469.60	470.30	471.10
3752428.19	469.30	469.50	469.70	470.00	469.80	469.00	469.70	470.70	471.70
3752378.19	469.80	469.60	469.60	470.00	470.30	469.50	469.90	470.20	471.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	474165.34	474215.34	474265.34	474315.34	474365.34	474415.34	474465.34	474515.34	474565.34
3753378.19	473.90	475.70	477.80	475.50	472.70	472.60	474.70	477.40	479.40
3753328.19	473.60	475.60	478.50	475.90	473.40	473.10	476.10	478.20	478.90
3753278.19	472.70	474.20	476.50	477.10	476.80	476.70	474.70	478.60	476.90
3753228.19	472.50	474.60	477.90	476.80	477.40	478.80	476.40	475.40	475.00
3753178.19	474.20	476.10	476.20	475.60	476.70	479.10	477.00	474.20	474.40
3753128.19	473.30	475.10	474.10	474.90	477.50	478.20	476.70	475.50	474.40
3753078.19	472.10	472.70	473.30	475.50	477.00	475.90	476.00	476.80	474.60
3753028.19	471.20	472.00	474.00	476.50	475.70	474.80	475.60	476.40	474.90
3752978.19	471.30	472.30	473.70	475.00	474.80	475.00	475.40	475.70	475.70
3752928.19	471.50	472.60	473.50	473.90	474.20	474.40	474.70	475.10	475.40
3752878.19	471.70	472.90	473.90	474.30	474.30	474.10	474.30	474.90	475.20
3752828.19	471.60	472.50	473.70	474.30	474.40	473.90	474.10	474.70	475.20
3752778.19	471.10	472.30	473.60	474.00	474.10	473.70	473.80	474.20	474.50
3752728.19	471.80	473.00	473.10	473.10	473.00	473.00	473.50	474.00	474.10
3752678.19	472.00	473.10	473.10	473.20	473.10	472.70	473.20	473.90	474.00
3752628.19	472.20	473.10	473.10	473.10	473.00	472.50	473.20	473.50	473.90
3752578.19	471.60	472.70	472.40	472.10	472.20	472.60	473.00	473.30	473.70
3752528.19	471.40	472.70	471.90	471.20	471.40	471.70	471.90	472.20	472.40
3752478.19	471.60	472.40	471.80	471.40	471.30	471.60	471.90	472.30	472.80
3752428.19	472.20	471.90	471.70	471.40	471.30	471.60	471.90	472.50	473.10
3752378.19	471.50	471.50	471.70	471.20	471.30	471.50	471.90	472.60	473.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	474615.34	474665.34	474715.34	474765.34	474815.34	474865.34	474915.34	474965.34	475015.34
3753378.19	479.00	478.70	479.80	480.00	479.00	479.10	480.20	480.90	480.60
3753328.19	477.60	478.30	479.60	478.70	478.50	479.10	480.30	480.70	480.70
3753278.19	476.70	477.60	478.00	476.90	477.60	478.90	479.90	480.40	480.50
3753228.19	475.80	477.20	477.40	476.90	478.80	480.00	480.00	479.70	479.90
3753178.19	476.20	476.40	476.30	476.90	479.20	479.90	479.80	479.10	479.10
3753128.19	475.30	475.60	476.40	477.50	479.10	479.30	479.40	478.50	478.40
3753078.19	474.60	475.70	477.00	478.30	479.20	478.90	478.90	478.10	477.80
3753028.19	474.90	476.20	477.10	478.60	478.80	478.70	478.70	478.00	477.50
3752978.19	475.90	476.70	477.30	478.00	478.20	478.30	478.30	478.00	477.50
3752928.19	475.80	477.00	477.60	478.10	478.40	477.70	477.70	477.80	477.60
3752878.19	475.30	477.10	477.30	477.60	477.80	477.40	477.50	477.80	477.30
3752828.19	475.10	476.60	476.10	476.10	476.70	476.60	477.00	477.20	476.40
3752778.19	474.80	476.10	475.70	475.80	476.40	476.20	476.50	476.70	476.00
3752728.19	474.40	475.40	475.20	474.90	475.70	476.00	476.00	476.00	475.80
3752678.19	474.20	475.80	475.60	474.60	474.80	475.20	475.30	475.60	475.50
3752628.19	474.20	475.80	475.70	474.80	474.50	474.80	475.00	475.30	475.30
3752578.19	473.90	474.40	474.60	474.60	474.90	474.90	474.70	474.60	474.70
3752528.19	472.70	473.40	474.20	474.80	474.80	474.70	474.60	474.60	474.50
3752478.19	473.20	473.70	474.10	474.80	474.60	474.50	474.60	474.50	474.40
3752428.19	473.70	473.90	473.90	474.40	474.40	474.50	474.30	474.00	474.20
3752378.19	474.00	474.10	473.90	473.80	474.10	474.50	474.60	474.30	474.10

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 475065.34
3753378.19	480.10
3753328.19	480.10
3753278.19	479.90
3753228.19	479.50
3753178.19	479.00
3753128.19	478.30
3753078.19	477.70
3753028.19	477.20
3752978.19	476.90
3752928.19	476.70
3752878.19	476.40
3752828.19	476.10
3752778.19	475.80
3752728.19	475.80
3752678.19	475.70
3752628.19	475.50
3752578.19	474.80
3752528.19	474.40
3752478.19	474.40
3752428.19	474.30
3752378.19	474.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 473265.34	473315.34	473365.34	473415.34	473465.34	473515.34	473565.34	473615.34	473665.34
3753378.19	463.70	464.30	466.10	468.00	468.20	468.00	467.70	468.30	468.70
3753328.19	463.60	464.00	468.10	468.40	468.70	468.60	468.50	469.20	468.90
3753278.19	463.30	463.70	467.00	468.40	468.60	468.40	468.60	468.60	468.60
3753228.19	463.30	462.80	463.90	466.70	466.70	467.00	467.40	467.80	468.20
3753178.19	464.20	461.80	463.50	464.20	464.30	465.90	467.20	467.70	468.00
3753128.19	466.30	462.00	463.50	463.60	463.20	465.60	467.60	468.90	468.50
3753078.19	466.90	463.80	463.40	464.00	463.60	464.20	466.90	468.00	468.20
3753028.19	468.60	471.80	470.10	463.70	466.40	465.90	467.50	467.80	468.40
3752978.19	471.20	470.70	469.40	469.40	468.30	467.40	467.80	468.10	468.80
3752928.19	470.70	470.10	469.90	469.90	466.60	467.00	466.60	467.40	468.30
3752878.19	468.80	468.10	467.80	464.50	464.20	465.50	464.10	466.70	468.30
3752828.19	468.60	469.10	468.20	467.30	464.40	465.80	464.70	466.00	466.30
3752778.19	467.30	469.20	468.70	467.90	465.60	465.10	465.90	466.40	465.80
3752728.19	466.20	468.70	468.30	467.50	466.60	465.70	466.30	467.50	467.00
3752678.19	471.90	467.20	469.00	468.50	468.60	466.80	466.30	468.50	468.20
3752628.19	472.30	472.00	468.50	469.50	468.90	467.90	467.40	467.50	468.90
3752578.19	472.50	471.90	472.00	469.20	469.80	469.10	468.60	467.80	468.50
3752528.19	473.20	472.80	471.60	468.10	469.70	470.20	469.30	468.60	468.40
3752478.19	474.10	473.10	472.60	471.80	468.60	470.60	470.00	469.20	469.10
3752428.19	475.00	475.00	473.80	473.20	473.50	470.10	471.40	469.90	469.20
3752378.19	476.40	476.10	475.60	474.20	473.50	474.00	471.40	470.90	470.40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 473715.34	473765.34	473815.34	473865.34	473915.34	473965.34	474015.34	474065.34	474115.34
3753378.19	469.00	469.40	470.70	471.50	471.50	471.60	472.20	472.00	472.70
3753328.19	469.00	469.60	470.20	471.00	472.40	471.50	471.40	471.50	472.30
3753278.19	468.70	469.10	469.30	470.10	471.50	471.00	470.70	470.80	471.60
3753228.19	468.70	468.50	468.90	470.60	471.30	470.70	470.30	470.20	471.00
3753178.19	468.80	468.00	469.00	470.80	470.70	469.80	469.60	469.80	471.00
3753128.19	468.70	467.90	468.00	469.10	469.20	468.90	469.00	469.60	471.50
3753078.19	467.80	467.90	467.70	468.60	469.20	469.40	469.30	469.50	471.20
3753028.19	468.60	468.50	468.00	469.00	470.00	471.00	470.40	469.70	470.90
3752978.19	469.30	469.20	468.60	468.90	469.70	470.40	470.60	470.50	470.90
3752928.19	469.30	469.90	469.40	469.10	469.30	469.90	470.80	470.90	470.90
3752878.19	469.70	470.70	470.30	469.80	469.30	469.50	470.50	470.70	470.90
3752828.19	468.00	469.60	470.50	470.60	469.80	469.60	470.00	470.50	470.90
3752778.19	466.10	468.60	470.00	470.80	470.50	470.00	469.70	470.70	470.60
3752728.19	466.20	466.80	468.20	470.00	470.60	470.60	470.20	470.70	470.90
3752678.19	466.90	466.50	467.10	469.20	470.40	470.80	470.90	471.10	471.20
3752628.19	468.00	467.30	467.00	468.50	470.10	470.60	471.00	471.00	471.30
3752578.19	469.00	468.30	468.10	467.50	469.00	470.00	470.10	470.40	470.90
3752528.19	469.10	469.40	469.30	468.40	468.20	469.30	469.50	470.30	470.60
3752478.19	469.10	469.30	469.50	469.70	468.80	469.10	469.60	470.30	471.10
3752428.19	469.30	469.50	469.70	470.00	469.80	469.00	469.70	470.70	471.70
3752378.19	469.80	469.60	469.60	470.00	470.30	469.50	469.90	470.20	471.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	474165.34	474215.34	474265.34	474315.34	474365.34	474415.34	474465.34	474515.34	474565.34
3753378.19	473.90	475.70	477.80	475.50	472.70	472.60	474.70	477.40	479.40
3753328.19	473.60	475.60	478.50	475.90	473.40	473.10	476.10	478.20	478.90
3753278.19	472.70	474.20	476.50	477.10	476.80	477.20	477.30	478.60	476.90
3753228.19	472.50	474.60	477.90	476.80	477.40	478.80	476.40	475.40	475.00
3753178.19	474.20	476.10	476.20	475.60	476.70	479.10	477.00	474.20	474.40
3753128.19	473.30	475.10	474.10	474.90	477.50	478.20	476.70	475.50	474.40
3753078.19	472.10	472.70	473.30	475.50	477.00	475.90	476.00	476.80	474.60
3753028.19	471.20	472.00	474.00	476.50	475.70	474.80	475.60	476.40	474.90
3752978.19	471.30	472.30	473.70	475.00	474.80	475.00	475.40	475.70	475.70
3752928.19	471.50	472.60	473.50	473.90	474.20	474.40	474.70	475.10	475.40
3752878.19	471.70	472.90	473.90	474.30	474.30	474.10	474.30	474.90	475.20
3752828.19	471.60	472.50	473.70	474.30	474.40	473.90	474.10	474.70	475.20
3752778.19	471.10	472.30	473.60	474.00	474.10	473.70	473.80	474.20	474.50
3752728.19	471.80	473.00	473.10	473.10	473.00	473.00	473.50	474.00	474.10
3752678.19	472.00	473.10	473.10	473.20	473.10	472.70	473.20	473.90	474.00
3752628.19	472.20	473.10	473.10	473.10	473.00	472.50	473.20	473.50	473.90
3752578.19	471.60	472.70	472.40	472.10	472.20	472.60	473.00	473.30	473.70
3752528.19	471.40	472.70	471.90	471.20	471.40	471.70	471.90	472.20	472.40
3752478.19	471.60	472.40	471.80	471.40	471.30	471.60	471.90	472.30	472.80
3752428.19	472.20	471.90	471.70	471.40	471.30	471.60	471.90	472.50	473.10
3752378.19	471.50	471.50	471.70	471.20	471.30	471.50	471.90	472.60	473.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 474615.34	474665.34	474715.34	474765.34	474815.34	474865.34	474915.34	474965.34	475015.34
3753378.19	479.00	478.70	479.80	480.00	479.00	479.10	480.20	480.90	480.60
3753328.19	477.60	478.30	479.60	478.70	478.50	479.10	480.30	480.70	480.70
3753278.19	476.70	477.60	478.00	476.90	477.60	478.90	479.90	480.40	480.50
3753228.19	475.80	477.20	477.40	476.90	478.80	480.00	480.00	479.70	479.90
3753178.19	476.20	476.40	476.30	476.90	479.20	479.90	479.80	479.10	479.10
3753128.19	475.30	475.60	476.40	477.50	479.10	479.30	479.40	478.50	478.40
3753078.19	474.60	475.70	477.00	478.30	479.20	478.90	478.90	478.10	477.80
3753028.19	474.90	476.20	477.10	478.60	478.80	478.70	478.70	478.00	477.50
3752978.19	475.90	476.70	477.30	478.00	478.20	478.30	478.30	478.00	477.50
3752928.19	475.80	477.00	477.60	478.10	478.40	477.70	477.70	477.80	477.60
3752878.19	475.30	477.10	477.30	477.60	477.80	477.40	477.50	477.80	477.30
3752828.19	475.10	476.60	476.10	476.10	476.70	476.60	477.00	477.20	476.40
3752778.19	474.80	476.10	475.70	475.80	476.40	476.20	476.50	476.70	476.00
3752728.19	474.40	475.40	475.20	474.90	475.70	476.00	476.00	476.00	475.80
3752678.19	474.20	475.80	475.60	474.60	474.80	475.20	475.30	475.60	475.50
3752628.19	474.20	475.80	475.70	474.80	474.50	474.80	475.00	475.30	475.30
3752578.19	473.90	474.40	474.60	474.60	474.90	474.90	474.70	474.60	474.70
3752528.19	472.70	473.40	474.20	474.80	474.80	474.70	474.60	474.60	474.50
3752478.19	473.20	473.70	474.10	474.80	474.60	474.50	474.60	474.50	474.40
3752428.19	473.70	473.90	473.90	474.40	474.40	474.50	474.30	474.00	474.20
3752378.19	474.00	474.10	473.90	473.80	474.10	474.50	474.60	474.30	474.10

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 475065.34
3753378.19	480.10
3753328.19	480.10
3753278.19	479.90
3753228.19	479.50
3753178.19	479.00
3753128.19	478.30
3753078.19	477.70
3753028.19	477.20
3752978.19	476.90
3752928.19	476.70
3752878.19	476.40
3752828.19	476.10
3752778.19	475.80
3752728.19	475.80
3752678.19	475.70
3752628.19	475.50
3752578.19	474.80
3752528.19	474.40
3752478.19	474.40
3752428.19	474.30
3752378.19	474.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(474410.8, 3753020.3,	474.8,	474.8,	0.0);	(474129.0, 3753006.6,	470.9,	470.9,	0.0);
(474069.0, 3752989.3,	470.2,	470.2,	0.0);	(474038.0, 3752990.1,	470.5,	470.5,	0.0);
(474408.3, 3752677.6,	472.7,	472.7,	0.0);	(474354.5, 3752582.6,	472.3,	472.3,	0.0);
(474214.1, 3752757.4,	472.6,	472.6,	0.0);				

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000885	474215.3	3752978.2	-3.23
L0000886	474215.3	3752978.2	-3.70
L0000891	474165.3	3752978.2	-4.68
L0000892	474165.3	3752978.2	-2.52
L0000897	474115.3	3752978.2	-5.97
L0000898	474115.3	3752978.2	-1.18
L0000902	474065.3	3752978.2	0.15
L0000903	474065.3	3752978.2	-6.68
L0000904	474065.3	3752978.2	0.25
L0000908	474015.3	3752978.2	-1.40
L0000909	474015.3	3752978.2	-6.29
L0000914	473965.3	3752978.2	-2.95
L0000915	473965.3	3752978.2	-5.22
L0000920	473915.3	3752978.2	-4.67
L0000921	473915.3	3752978.2	-3.94
L0000926	473865.3	3752978.2	-5.85
L0000927	473865.3	3752978.2	-2.23
L0000932	473815.3	3752978.2	-6.49
L0000933	473815.3	3752978.2	-0.65
L0000937	473765.3	3752978.2	-0.40
L0000938	473765.3	3752978.2	-6.37
L0000939	473765.3	3752978.2	0.90
L0000943	473715.3	3752978.2	-1.81
L0000944	473715.3	3752978.2	-5.39
L0000949	473665.3	3752978.2	-3.13
L0000950	473665.3	3752978.2	-4.07
L0000955	473615.3	3752978.2	-4.31
L0000956	473615.3	3752978.2	-2.64
L0000961	473565.3	3752978.2	-5.16
L0000962	473565.3	3752978.2	-1.16
L0000966	473515.3	3752978.2	0.76
L0000967	473515.3	3752978.2	-5.43
L0000968	473515.3	3752978.2	0.35

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: ..\..\Desktop_HRA_MET and TOPO data\PERI_V9_ADJU\PERI_v9.SFC Met Version: 16216
Profile file: ..\..\Desktop_HRA_MET and TOPO data\PERI_V9_ADJU\PERI_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2010 Year: 2010

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
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40	188.	9.1	289.2	5.5
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70	310.	9.1	290.9	5.5
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20	357.	9.1	293.1	5.5
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20	356.	9.1	293.8	5.5
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20	50.	9.1	294.2	5.5
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80	53.	9.1	293.8	5.5
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80	11.	9.1	292.5	5.5
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	0.64	0.90	351.	9.1	290.4	5.5
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90	186.	9.1	287.5	5.5
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90	275.	9.1	285.9	5.5
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40	181.	9.1	285.4	5.5
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30	318.	9.1	284.9	5.5
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	196.	9.1	283.1	5.5
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	330.	9.1	281.4	5.5
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	332.	9.1	280.9	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000840 , L0000841 , L0000842 , L0000843 , L0000844 ,
L0000845 , L0000846 , L0000847 , L0000848 , L0000849 , L0000850 , L0000851 , L0000852 ,
L0000853 , L0000854 , L0000855 , L0000856 , L0000857 , L0000858 , L0000859 , L0000860 ,
L0000861 , L0000862 , L0000863 , L0000864 , L0000865 , L0000866 , L0000867 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	473265.34	473315.34	473365.34	473415.34	473465.34	473515.34	473565.34	473615.34	473665.34
3753378.19	0.00007	0.00008	0.00008	0.00009	0.00009	0.00010	0.00011	0.00011	0.00012
3753328.19	0.00008	0.00008	0.00009	0.00009	0.00010	0.00011	0.00011	0.00012	0.00013
3753278.19	0.00008	0.00009	0.00009	0.00010	0.00011	0.00012	0.00013	0.00013	0.00014
3753228.19	0.00008	0.00009	0.00010	0.00011	0.00012	0.00013	0.00014	0.00015	0.00016
3753178.19	0.00009	0.00010	0.00011	0.00012	0.00013	0.00015	0.00016	0.00017	0.00018
3753128.19	0.00009	0.00010	0.00012	0.00013	0.00015	0.00017	0.00019	0.00020	0.00022
3753078.19	0.00010	0.00011	0.00013	0.00015	0.00018	0.00021	0.00024	0.00025	0.00027
3753028.19	0.00010	0.00012	0.00014	0.00019	0.00027	0.00032	0.00036	0.00039	0.00040
3752978.19	0.00010	0.00012	0.00016	0.00027	0.00083	0.00059	0.00080	0.00081	0.00083
3752928.19	0.00010	0.00012	0.00015	0.00022	0.00037	0.00041	0.00042	0.00045	0.00047
3752878.19	0.00010	0.00012	0.00014	0.00017	0.00021	0.00025	0.00027	0.00029	0.00032
3752828.19	0.00010	0.00011	0.00013	0.00015	0.00017	0.00020	0.00022	0.00024	0.00026
3752778.19	0.00010	0.00011	0.00012	0.00014	0.00016	0.00017	0.00019	0.00021	0.00023
3752728.19	0.00010	0.00011	0.00012	0.00013	0.00015	0.00016	0.00018	0.00020	0.00022
3752678.19	0.00009	0.00010	0.00011	0.00012	0.00014	0.00015	0.00017	0.00019	0.00021
3752628.19	0.00009	0.00010	0.00011	0.00012	0.00013	0.00015	0.00016	0.00018	0.00020
3752578.19	0.00009	0.00010	0.00011	0.00012	0.00013	0.00014	0.00015	0.00017	0.00019
3752528.19	0.00009	0.00009	0.00010	0.00011	0.00012	0.00013	0.00015	0.00016	0.00018
3752478.19	0.00009	0.00009	0.00010	0.00011	0.00012	0.00013	0.00014	0.00016	0.00017
3752428.19	0.00008	0.00009	0.00010	0.00010	0.00011	0.00012	0.00014	0.00015	0.00016
3752378.19	0.00008	0.00009	0.00009	0.00010	0.00011	0.00012	0.00013	0.00014	0.00016

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000840 , L0000841 , L0000842 , L0000843 , L0000844 ,
L0000845 , L0000846 , L0000847 , L0000848 , L0000849 , L0000850 , L0000851 , L0000852 ,
L0000853 , L0000854 , L0000855 , L0000856 , L0000857 , L0000858 , L0000859 , L0000860 ,
L0000861 , L0000862 , L0000863 , L0000864 , L0000865 , L0000866 , L0000867 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	473715.34	473765.34	473815.34	473865.34	473915.34	473965.34	474015.34	474065.34	474115.34
3753378.19	0.00013	0.00013	0.00014	0.00015	0.00015	0.00016	0.00017	0.00017	0.00018
3753328.19	0.00014	0.00015	0.00015	0.00016	0.00017	0.00018	0.00019	0.00020	0.00020
3753278.19	0.00015	0.00016	0.00017	0.00018	0.00019	0.00020	0.00021	0.00022	0.00023
3753228.19	0.00017	0.00018	0.00019	0.00020	0.00022	0.00023	0.00024	0.00026	0.00027
3753178.19	0.00019	0.00021	0.00022	0.00024	0.00025	0.00027	0.00028	0.00030	0.00032
3753128.19	0.00023	0.00024	0.00026	0.00028	0.00029	0.00031	0.00034	0.00036	0.00038
3753078.19	0.00029	0.00030	0.00032	0.00034	0.00037	0.00039	0.00042	0.00045	0.00048
3753028.19	0.00042	0.00044	0.00046	0.00049	0.00052	0.00056	0.00060	0.00064	0.00069
3752978.19	0.00086	0.00072	0.00093	0.00094	0.00096	0.00101	0.00107	0.00095	0.00120
3752928.19	0.00049	0.00051	0.00053	0.00056	0.00059	0.00063	0.00069	0.00077	0.00088
3752878.19	0.00034	0.00036	0.00039	0.00042	0.00047	0.00052	0.00060	0.00070	0.00085
3752828.19	0.00029	0.00031	0.00034	0.00038	0.00043	0.00049	0.00058	0.00071	0.00091
3752778.19	0.00026	0.00029	0.00032	0.00036	0.00041	0.00049	0.00059	0.00074	0.00098
3752728.19	0.00024	0.00027	0.00030	0.00035	0.00040	0.00048	0.00059	0.00076	0.00103
3752678.19	0.00023	0.00026	0.00029	0.00034	0.00039	0.00047	0.00059	0.00076	0.00104
3752628.19	0.00022	0.00025	0.00028	0.00032	0.00038	0.00046	0.00057	0.00073	0.00100
3752578.19	0.00021	0.00024	0.00027	0.00031	0.00036	0.00043	0.00053	0.00068	0.00090
3752528.19	0.00020	0.00023	0.00026	0.00029	0.00034	0.00041	0.00049	0.00061	0.00078
3752478.19	0.00019	0.00021	0.00024	0.00028	0.00032	0.00037	0.00044	0.00054	0.00066
3752428.19	0.00018	0.00020	0.00023	0.00026	0.00029	0.00034	0.00040	0.00047	0.00055
3752378.19	0.00017	0.00019	0.00021	0.00024	0.00027	0.00031	0.00035	0.00040	0.00046

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000840 , L0000841 , L0000842 , L0000843 , L0000844 ,
L0000845 , L0000846 , L0000847 , L0000848 , L0000849 , L0000850 , L0000851 , L0000852 ,
L0000853 , L0000854 , L0000855 , L0000856 , L0000857 , L0000858 , L0000859 , L0000860 ,
L0000861 , L0000862 , L0000863 , L0000864 , L0000865 , L0000866 , L0000867 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	474165.34	474215.34	474265.34	474315.34	474365.34	474415.34	474465.34	474515.34	474565.34
3753378.19	0.00018	0.00019	0.00019	0.00018	0.00018	0.00018	0.00017	0.00017	0.00016
3753328.19	0.00021	0.00021	0.00022	0.00021	0.00021	0.00020	0.00019	0.00018	0.00017
3753278.19	0.00024	0.00024	0.00024	0.00024	0.00024	0.00023	0.00022	0.00021	0.00020
3753228.19	0.00028	0.00028	0.00028	0.00028	0.00027	0.00027	0.00025	0.00024	0.00023
3753178.19	0.00033	0.00033	0.00034	0.00033	0.00032	0.00031	0.00029	0.00028	0.00026
3753128.19	0.00040	0.00041	0.00041	0.00040	0.00039	0.00037	0.00035	0.00032	0.00030
3753078.19	0.00051	0.00052	0.00052	0.00050	0.00047	0.00045	0.00041	0.00038	0.00034
3753028.19	0.00074	0.00075	0.00069	0.00063	0.00060	0.00055	0.00050	0.00045	0.00040
3752978.19	0.00128	0.00152	0.00098	0.00083	0.00077	0.00071	0.00063	0.00055	0.00048
3752928.19	0.00106	0.00190	0.00134	0.00112	0.00104	0.00094	0.00081	0.00068	0.00057
3752878.19	0.00112	0.00210	0.00174	0.00160	0.00152	0.00133	0.00108	0.00085	0.00068
3752828.19	0.00127	0.00245	0.00237	0.00257	0.00256	0.00205	0.00149	0.00108	0.00080
3752778.19	0.00144	0.00294	0.00391	0.00552	0.00620	0.00361	0.00209	0.00134	0.00094
3752728.19	0.00155	0.00294	0.00485	0.01174	0.02710	0.00622	0.00275	0.00158	0.00104
3752678.19	0.00157	0.00294	0.00495	0.01496	0.04105	0.00785	0.00312	0.00170	0.00109
3752628.19	0.00149	0.00282	0.00459	0.01128	0.03135	0.00694	0.00296	0.00165	0.00107
3752578.19	0.00129	0.00222	0.00405	0.00585	0.00732	0.00440	0.00241	0.00148	0.00100
3752528.19	0.00104	0.00145	0.00200	0.00254	0.00286	0.00250	0.00180	0.00125	0.00089
3752478.19	0.00083	0.00104	0.00128	0.00151	0.00164	0.00157	0.00132	0.00103	0.00078
3752428.19	0.00066	0.00078	0.00091	0.00102	0.00109	0.00108	0.00098	0.00083	0.00067
3752378.19	0.00053	0.00061	0.00068	0.00074	0.00078	0.00079	0.00075	0.00067	0.00057

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000840 , L0000841 , L0000842 , L0000843 , L0000844 ,
L0000845 , L0000846 , L0000847 , L0000848 , L0000849 , L0000850 , L0000851 , L0000852 ,
L0000853 , L0000854 , L0000855 , L0000856 , L0000857 , L0000858 , L0000859 , L0000860 ,
L0000861 , L0000862 , L0000863 , L0000864 , L0000865 , L0000866 , L0000867 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	474615.34	474665.34	474715.34	474765.34	474815.34	474865.34	474915.34	474965.34	475015.34
3753378.19	0.00015	0.00014	0.00013	0.00012	0.00012	0.00011	0.00010	0.00009	0.00009
3753328.19	0.00017	0.00015	0.00014	0.00014	0.00013	0.00012	0.00011	0.00010	0.00009
3753278.19	0.00019	0.00018	0.00016	0.00015	0.00014	0.00013	0.00012	0.00011	0.00010
3753228.19	0.00021	0.00020	0.00018	0.00017	0.00015	0.00013	0.00012	0.00011	0.00010
3753178.19	0.00024	0.00022	0.00020	0.00018	0.00016	0.00014	0.00013	0.00012	0.00011
3753128.19	0.00027	0.00025	0.00022	0.00020	0.00017	0.00016	0.00014	0.00013	0.00012
3753078.19	0.00031	0.00028	0.00025	0.00021	0.00019	0.00017	0.00015	0.00014	0.00013
3753028.19	0.00035	0.00031	0.00027	0.00023	0.00020	0.00018	0.00016	0.00015	0.00014
3752978.19	0.00041	0.00035	0.00030	0.00026	0.00022	0.00019	0.00017	0.00016	0.00014
3752928.19	0.00047	0.00040	0.00033	0.00028	0.00023	0.00022	0.00019	0.00017	0.00015
3752878.19	0.00054	0.00044	0.00037	0.00031	0.00026	0.00023	0.00020	0.00017	0.00016
3752828.19	0.00062	0.00049	0.00040	0.00033	0.00028	0.00024	0.00021	0.00018	0.00016
3752778.19	0.00069	0.00053	0.00042	0.00035	0.00029	0.00025	0.00021	0.00019	0.00016
3752728.19	0.00074	0.00056	0.00044	0.00036	0.00030	0.00025	0.00022	0.00019	0.00017
3752678.19	0.00077	0.00057	0.00045	0.00036	0.00030	0.00025	0.00022	0.00019	0.00017
3752628.19	0.00076	0.00057	0.00044	0.00036	0.00030	0.00025	0.00022	0.00019	0.00017
3752578.19	0.00072	0.00055	0.00043	0.00035	0.00029	0.00025	0.00021	0.00019	0.00016
3752528.19	0.00067	0.00052	0.00041	0.00034	0.00028	0.00024	0.00021	0.00018	0.00016
3752478.19	0.00061	0.00048	0.00039	0.00032	0.00027	0.00023	0.00020	0.00018	0.00016
3752428.19	0.00054	0.00044	0.00037	0.00031	0.00026	0.00022	0.00020	0.00017	0.00015
3752378.19	0.00048	0.00040	0.00034	0.00029	0.00025	0.00021	0.00019	0.00017	0.00015

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000840   , L0000841   , L0000842   , L0000843   , L0000844   ,
L0000845   , L0000846   , L0000847   , L0000848   , L0000849   , L0000850   , L0000851   , L0000852   ,
L0000853   , L0000854   , L0000855   , L0000856   , L0000857   , L0000858   , L0000859   , L0000860   ,
L0000861   , L0000862   , L0000863   , L0000864   , L0000865   , L0000866   , L0000867   , . . .   ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 475065.34
3753378.19	0.00008
3753328.19	0.00009
3753278.19	0.00009
3753228.19	0.00010
3753178.19	0.00010
3753128.19	0.00011
3753078.19	0.00012
3753028.19	0.00013
3752978.19	0.00013
3752928.19	0.00014
3752878.19	0.00014
3752828.19	0.00014
3752778.19	0.00015
3752728.19	0.00015
3752678.19	0.00015
3752628.19	0.00015
3752578.19	0.00015
3752528.19	0.00014
3752478.19	0.00014
3752428.19	0.00014
3752378.19	0.00013

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000840 , L0000841 , L0000842 , L0000843 , L0000844 ,
L0000845 , L0000846 , L0000847 , L0000848 , L0000849 , L0000850 , L0000851 , L0000852 ,
L0000853 , L0000854 , L0000855 , L0000856 , L0000857 , L0000858 , L0000859 , L0000860 ,
L0000861 , L0000862 , L0000863 , L0000864 , L0000865 , L0000866 , L0000867 , . . . ,

*** 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
474410.80	3753020.33	0.00058	474128.97	3753006.56	0.00093
474068.97	3752989.35	0.00135	474037.95	3752990.14	0.00128
474408.33	3752677.60	0.00938	474354.52	3752582.57	0.00836
474214.08	3752757.43	0.00294			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.04105 AT	(474365.34,	3752678.19,	473.10,	473.10,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.03135 AT	(474365.34,	3752628.19,	473.00,	473.00,	0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.02710 AT	(474365.34,	3752728.19,	473.00,	473.00,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.01496 AT	(474315.34,	3752678.19,	473.20,	473.20,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.01174 AT	(474315.34,	3752728.19,	473.10,	473.10,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.01128 AT	(474315.34,	3752628.19,	473.10,	473.10,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00938 AT	(474408.33,	3752677.60,	472.65,	472.65,	0.00)	DC	
	8TH HIGHEST VALUE IS	0.00836 AT	(474354.52,	3752582.57,	472.29,	472.29,	0.00)	DC	
	9TH HIGHEST VALUE IS	0.00785 AT	(474415.34,	3752678.19,	472.70,	472.70,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00732 AT	(474365.34,	3752578.19,	472.20,	472.20,	0.00)	GC	UCART1

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of   0 Fatal Error Message(s)
A Total of   4 Warning Message(s)
A Total of   2028 Informational Message(s)

A Total of   43824 Hours Were Processed

A Total of   978 Calm Hours Identified

A Total of   1050 Missing Hours Identified (2.40 Percent)

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

   ********   WARNING MESSAGES   ********
ME W186   569   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
ME W187   569   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W450   17521   CHKDAT: Record Out of Sequence in Meteorological File at: 14010101
MX W450   17521   CHKDAT: Record Out of Sequence in Meteorological File at: 2 year gap

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

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 10/19/2022
** File: C:\Users\monicat\Desktop\First Industrial Day Street\ProjAB3\ProjAB3.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE First Industrial at Day Street
   TITLETWO Project Only DPM Concentration (2024) - AB3
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2189641 Riverside
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL ProjAB3.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 Day Street B/n South Driveway and North Driveway
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 5.97E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 474227.508, 3752590.077, 473.00, 3.49, 4.00
** 474228.095, 3752756.374, 473.34, 3.49, 4.00
** ------------------------------------------------------------------------
```

```
   LOCATION L0001045     VOLUME   474227.523 3752594.372 473.00
   LOCATION L0001046     VOLUME   474227.553 3752602.962 473.05
   LOCATION L0001047     VOLUME   474227.584 3752611.552 473.11
   LOCATION L0001048     VOLUME   474227.614 3752620.142 473.17
   LOCATION L0001049     VOLUME   474227.644 3752628.732 473.23
   LOCATION L0001050     VOLUME   474227.675 3752637.322 473.25
   LOCATION L0001051     VOLUME   474227.705 3752645.912 473.28
   LOCATION L0001052     VOLUME   474227.735 3752654.501 473.31
   LOCATION L0001053     VOLUME   474227.766 3752663.091 473.33
   LOCATION L0001054     VOLUME   474227.796 3752671.681 473.35
   LOCATION L0001055     VOLUME   474227.826 3752680.271 473.37
   LOCATION L0001056     VOLUME   474227.857 3752688.861 473.39
   LOCATION L0001057     VOLUME   474227.887 3752697.451 473.41
   LOCATION L0001058     VOLUME   474227.917 3752706.041 473.43
   LOCATION L0001059     VOLUME   474227.948 3752714.631 473.45
   LOCATION L0001060     VOLUME   474227.978 3752723.221 473.44
   LOCATION L0001061     VOLUME   474228.008 3752731.811 473.38
   LOCATION L0001062     VOLUME   474228.039 3752740.401 473.32
   LOCATION L0001063     VOLUME   474228.069 3752748.991 473.27
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Day Street B/n North Driveway and Alessandro Boulevard
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.503E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 5
** 474227.214, 3752756.357, 473.32, 3.49, 4.00
** 474227.905, 3752796.453, 473.00, 3.49, 4.00
** 474228.942, 3752871.808, 473.12, 3.49, 4.00
** 474229.288, 3752910.867, 472.98, 3.49, 4.00
** 474226.868, 3752961.334, 472.63, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0001064     VOLUME   474227.288 3752760.651 473.14
   LOCATION L0001065     VOLUME   474227.436 3752769.240 473.07
   LOCATION L0001066     VOLUME   474227.584 3752777.828 473.01
   LOCATION L0001067     VOLUME   474227.732 3752786.417 472.97
   LOCATION L0001068     VOLUME   474227.880 3752795.006 472.96
   LOCATION L0001069     VOLUME   474228.003 3752803.595 472.95
   LOCATION L0001070     VOLUME   474228.122 3752812.184 472.94
   LOCATION L0001071     VOLUME   474228.240 3752820.773 472.95
   LOCATION L0001072     VOLUME   474228.358 3752829.363 472.96
   LOCATION L0001073     VOLUME   474228.476 3752837.952 472.98
   LOCATION L0001074     VOLUME   474228.594 3752846.541 472.99
   LOCATION L0001075     VOLUME   474228.713 3752855.130 473.02
   LOCATION L0001076     VOLUME   474228.831 3752863.719 473.04
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   LOCATION L0001077     VOLUME   474228.947 3752872.308 473.06
   LOCATION L0001078     VOLUME   474229.023 3752880.898 473.04
   LOCATION L0001079     VOLUME   474229.099 3752889.488 473.01
   LOCATION L0001080     VOLUME   474229.175 3752898.077 472.98
   LOCATION L0001081     VOLUME   474229.251 3752906.667 472.94
   LOCATION L0001082     VOLUME   474229.078 3752915.252 472.85
   LOCATION L0001083     VOLUME   474228.666 3752923.832 472.77
   LOCATION L0001084     VOLUME   474228.255 3752932.412 472.68
   LOCATION L0001085     VOLUME   474227.843 3752940.992 472.63
   LOCATION L0001086     VOLUME   474227.432 3752949.573 472.60
   LOCATION L0001087     VOLUME   474227.021 3752958.153 472.57
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Alessandro Boulevard B/n Day Street and I-215 Ramps
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 4.378E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 8
** 474226.366, 3752966.059, 472.63, 3.49, 4.00
** 474226.366, 3752981.067, 472.63, 3.49, 4.00
** 474115.948, 3752980.353, 470.77, 3.49, 4.00
** 473968.723, 3752979.638, 470.51, 3.49, 4.00
** 473851.873, 3752976.422, 468.90, 3.49, 4.00
** 473505.966, 3752974.992, 467.57, 3.49, 4.00
** 473487.027, 3752966.774, 468.73, 3.49, 4.00
** 473436.642, 3752966.774, 464.41, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0001088     VOLUME   474226.366 3752970.354 472.53
   LOCATION L0001089     VOLUME   474226.366 3752978.944 472.50
   LOCATION L0001090     VOLUME   474219.900 3752981.025 472.40
   LOCATION L0001091     VOLUME   474211.310 3752980.970 472.26
   LOCATION L0001092     VOLUME   474202.720 3752980.914 472.08
   LOCATION L0001093     VOLUME   474194.130 3752980.859 471.86
   LOCATION L0001094     VOLUME   474185.541 3752980.803 471.64
   LOCATION L0001095     VOLUME   474176.951 3752980.747 471.47
   LOCATION L0001096     VOLUME   474168.361 3752980.692 471.33
   LOCATION L0001097     VOLUME   474159.771 3752980.636 471.19
   LOCATION L0001098     VOLUME   474151.181 3752980.581 471.10
   LOCATION L0001099     VOLUME   474142.591 3752980.525 471.06
   LOCATION L0001100     VOLUME   474134.002 3752980.469 471.01
   LOCATION L0001101     VOLUME   474125.412 3752980.414 470.96
   LOCATION L0001102     VOLUME   474116.822 3752980.358 470.91
   LOCATION L0001103     VOLUME   474108.232 3752980.315 470.85
   LOCATION L0001104     VOLUME   474099.642 3752980.273 470.75
   LOCATION L0001105     VOLUME   474091.052 3752980.232 470.61
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LOCATION L0001106     VOLUME   474082.462 3752980.190 470.48
LOCATION L0001107     VOLUME   474073.872 3752980.148 470.42
LOCATION L0001108     VOLUME   474065.283 3752980.107 470.41
LOCATION L0001109     VOLUME   474056.693 3752980.065 470.41
LOCATION L0001110     VOLUME   474048.103 3752980.023 470.47
LOCATION L0001111     VOLUME   474039.513 3752979.981 470.57
LOCATION L0001112     VOLUME   474030.923 3752979.940 470.68
LOCATION L0001113     VOLUME   474022.333 3752979.898 470.69
LOCATION L0001114     VOLUME   474013.743 3752979.856 470.64
LOCATION L0001115     VOLUME   474005.153 3752979.815 470.59
LOCATION L0001116     VOLUME   473996.563 3752979.773 470.55
LOCATION L0001117     VOLUME   473987.973 3752979.731 470.52
LOCATION L0001118     VOLUME   473979.384 3752979.690 470.49
LOCATION L0001119     VOLUME   473970.794 3752979.648 470.45
LOCATION L0001120     VOLUME   473962.206 3752979.458 470.41
LOCATION L0001121     VOLUME   473953.619 3752979.222 470.37
LOCATION L0001122     VOLUME   473945.033 3752978.986 470.25
LOCATION L0001123     VOLUME   473936.446 3752978.749 470.09
LOCATION L0001124     VOLUME   473927.859 3752978.513 469.94
LOCATION L0001125     VOLUME   473919.272 3752978.277 469.75
LOCATION L0001126     VOLUME   473910.686 3752978.040 469.54
LOCATION L0001127     VOLUME   473902.099 3752977.804 469.33
LOCATION L0001128     VOLUME   473893.512 3752977.568 469.19
LOCATION L0001129     VOLUME   473884.925 3752977.331 469.09
LOCATION L0001130     VOLUME   473876.339 3752977.095 468.99
LOCATION L0001131     VOLUME   473867.752 3752976.859 468.90
LOCATION L0001132     VOLUME   473859.165 3752976.622 468.83
LOCATION L0001133     VOLUME   473850.578 3752976.416 468.76
LOCATION L0001134     VOLUME   473841.988 3752976.381 468.71
LOCATION L0001135     VOLUME   473833.398 3752976.345 468.66
LOCATION L0001136     VOLUME   473824.808 3752976.310 468.62
LOCATION L0001137     VOLUME   473816.218 3752976.274 468.62
LOCATION L0001138     VOLUME   473807.628 3752976.239 468.66
LOCATION L0001139     VOLUME   473799.038 3752976.203 468.69
LOCATION L0001140     VOLUME   473790.448 3752976.168 468.82
LOCATION L0001141     VOLUME   473781.859 3752976.132 468.99
LOCATION L0001142     VOLUME   473773.269 3752976.097 469.16
LOCATION L0001143     VOLUME   473764.679 3752976.061 469.27
LOCATION L0001144     VOLUME   473756.089 3752976.026 469.34
LOCATION L0001145     VOLUME   473747.499 3752975.990 469.42
LOCATION L0001146     VOLUME   473738.909 3752975.955 469.43
LOCATION L0001147     VOLUME   473730.319 3752975.919 469.41
LOCATION L0001148     VOLUME   473721.729 3752975.884 469.39
LOCATION L0001149     VOLUME   473713.139 3752975.848 469.34
LOCATION L0001150     VOLUME   473704.549 3752975.813 469.28
LOCATION L0001151     VOLUME   473695.959 3752975.777 469.22
LOCATION L0001152     VOLUME   473687.369 3752975.742 469.13
LOCATION L0001153     VOLUME   473678.779 3752975.706 469.03
LOCATION L0001154     VOLUME   473670.190 3752975.671 468.93
LOCATION L0001155     VOLUME   473661.600 3752975.636 468.79
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   LOCATION L0001156     VOLUME   473653.010 3752975.600 468.63
   LOCATION L0001157     VOLUME   473644.420 3752975.565 468.47
   LOCATION L0001158     VOLUME   473635.830 3752975.529 468.35
   LOCATION L0001159     VOLUME   473627.240 3752975.494 468.23
   LOCATION L0001160     VOLUME   473618.650 3752975.458 468.12
   LOCATION L0001161     VOLUME   473610.060 3752975.423 468.04
   LOCATION L0001162     VOLUME   473601.470 3752975.387 467.97
   LOCATION L0001163     VOLUME   473592.880 3752975.352 467.90
   LOCATION L0001164     VOLUME   473584.290 3752975.316 467.86
   LOCATION L0001165     VOLUME   473575.700 3752975.281 467.84
   LOCATION L0001166     VOLUME   473567.110 3752975.245 467.82
   LOCATION L0001167     VOLUME   473558.520 3752975.210 467.77
   LOCATION L0001168     VOLUME   473549.931 3752975.174 467.73
   LOCATION L0001169     VOLUME   473541.341 3752975.139 467.68
   LOCATION L0001170     VOLUME   473532.751 3752975.103 467.64
   LOCATION L0001171     VOLUME   473524.161 3752975.068 467.59
   LOCATION L0001172     VOLUME   473515.571 3752975.032 467.55
   LOCATION L0001173     VOLUME   473506.981 3752974.997 467.76
   LOCATION L0001174     VOLUME   473499.017 3752971.977 468.19
   LOCATION L0001175     VOLUME   473491.137 3752968.557 468.65
   LOCATION L0001176     VOLUME   473482.917 3752966.774 468.71
   LOCATION L0001177     VOLUME   473474.327 3752966.774 468.65
   LOCATION L0001178     VOLUME   473465.737 3752966.774 468.58
   LOCATION L0001179     VOLUME   473457.147 3752966.774 467.66
   LOCATION L0001180     VOLUME   473448.557 3752966.774 466.25
   LOCATION L0001181     VOLUME   473439.967 3752966.774 464.84
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Drive Aisle
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 5.213E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 474231.386, 3752593.404, 473.05, 3.49, 3.95
** 474386.054, 3752593.825, 472.59, 3.49, 3.95
** 474382.692, 3752757.739, 473.21, 3.49, 3.95
** 474233.067, 3752756.058, 473.39, 3.49, 3.95
** ----------------------------------------------------------------------
   LOCATION L0001182     VOLUME   474235.636 3752593.416 472.99
   LOCATION L0001183     VOLUME   474244.136 3752593.439 472.87
   LOCATION L0001184     VOLUME   474252.636 3752593.462 472.74
   LOCATION L0001185     VOLUME   474261.136 3752593.485 472.65
   LOCATION L0001186     VOLUME   474269.636 3752593.508 472.59
   LOCATION L0001187     VOLUME   474278.136 3752593.531 472.54
   LOCATION L0001188     VOLUME   474286.636 3752593.554 472.50
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   LOCATION L0001189     VOLUME   474295.135 3752593.578 472.48
   LOCATION L0001190     VOLUME   474303.635 3752593.601 472.45
   LOCATION L0001191     VOLUME   474312.135 3752593.624 472.44
   LOCATION L0001192     VOLUME   474320.635 3752593.647 472.46
   LOCATION L0001193     VOLUME   474329.135 3752593.670 472.47
   LOCATION L0001194     VOLUME   474337.635 3752593.693 472.49
   LOCATION L0001195     VOLUME   474346.135 3752593.716 472.51
   LOCATION L0001196     VOLUME   474354.635 3752593.739 472.53
   LOCATION L0001197     VOLUME   474363.135 3752593.762 472.54
   LOCATION L0001198     VOLUME   474371.635 3752593.785 472.54
   LOCATION L0001199     VOLUME   474380.135 3752593.809 472.55
   LOCATION L0001200     VOLUME   474386.001 3752596.405 472.59
   LOCATION L0001201     VOLUME   474385.827 3752604.903 472.63
   LOCATION L0001202     VOLUME   474385.652 3752613.402 472.67
   LOCATION L0001203     VOLUME   474385.478 3752621.900 472.71
   LOCATION L0001204     VOLUME   474385.304 3752630.398 472.74
   LOCATION L0001205     VOLUME   474385.129 3752638.896 472.77
   LOCATION L0001206     VOLUME   474384.955 3752647.394 472.79
   LOCATION L0001207     VOLUME   474384.781 3752655.893 472.82
   LOCATION L0001208     VOLUME   474384.606 3752664.391 472.84
   LOCATION L0001209     VOLUME   474384.432 3752672.889 472.85
   LOCATION L0001210     VOLUME   474384.258 3752681.387 472.86
   LOCATION L0001211     VOLUME   474384.083 3752689.886 472.88
   LOCATION L0001212     VOLUME   474383.909 3752698.384 472.87
   LOCATION L0001213     VOLUME   474383.735 3752706.882 472.86
   LOCATION L0001214     VOLUME   474383.561 3752715.380 472.85
   LOCATION L0001215     VOLUME   474383.386 3752723.878 472.88
   LOCATION L0001216     VOLUME   474383.212 3752732.377 472.96
   LOCATION L0001217     VOLUME   474383.038 3752740.875 473.04
   LOCATION L0001218     VOLUME   474382.863 3752749.373 473.12
   LOCATION L0001219     VOLUME   474382.560 3752757.738 473.35
   LOCATION L0001220     VOLUME   474374.060 3752757.642 473.37
   LOCATION L0001221     VOLUME   474365.561 3752757.547 473.39
   LOCATION L0001222     VOLUME   474357.061 3752757.451 473.41
   LOCATION L0001223     VOLUME   474348.562 3752757.356 473.42
   LOCATION L0001224     VOLUME   474340.062 3752757.260 473.43
   LOCATION L0001225     VOLUME   474331.563 3752757.165 473.44
   LOCATION L0001226     VOLUME   474323.063 3752757.069 473.43
   LOCATION L0001227     VOLUME   474314.564 3752756.974 473.42
   LOCATION L0001228     VOLUME   474306.065 3752756.878 473.40
   LOCATION L0001229     VOLUME   474297.565 3752756.783 473.37
   LOCATION L0001230     VOLUME   474289.066 3752756.687 473.34
   LOCATION L0001231     VOLUME   474280.566 3752756.592 473.32
   LOCATION L0001232     VOLUME   474272.067 3752756.496 473.33
   LOCATION L0001233     VOLUME   474263.567 3752756.401 473.34
   LOCATION L0001234     VOLUME   474255.068 3752756.305 473.36
   LOCATION L0001235     VOLUME   474246.568 3752756.210 473.37
   LOCATION L0001236     VOLUME   474238.069 3752756.114 473.39
** End of LINE VOLUME Source ID = SLINE4
** ----------------------------------------------------------------------
```

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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Loading Area
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00004183
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 474350.664, 3752734.137, 473.14, 3.49, 4.00
** 474352.676, 3752621.671, 473.01, 3.49, 4.00
** ------------------------------------------------------------------
   LOCATION L0001237     VOLUME   474350.740 3752729.843 473.06
   LOCATION L0001238     VOLUME   474350.894 3752721.254 473.00
   LOCATION L0001239     VOLUME   474351.048 3752712.666 473.04
   LOCATION L0001240     VOLUME   474351.201 3752704.077 473.10
   LOCATION L0001241     VOLUME   474351.355 3752695.488 473.15
   LOCATION L0001242     VOLUME   474351.509 3752686.900 473.19
   LOCATION L0001243     VOLUME   474351.662 3752678.311 473.20
   LOCATION L0001244     VOLUME   474351.816 3752669.723 473.21
   LOCATION L0001245     VOLUME   474351.970 3752661.134 473.22
   LOCATION L0001246     VOLUME   474352.123 3752652.545 473.20
   LOCATION L0001247     VOLUME   474352.277 3752643.957 473.16
   LOCATION L0001248     VOLUME   474352.431 3752635.368 473.12
   LOCATION L0001249     VOLUME   474352.584 3752626.779 473.08
** End of LINE VOLUME Source ID = SLINE5
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0001045     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001046     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001047     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001048     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001049     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001050     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001051     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001052     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001053     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001054     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001055     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001056     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001057     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001058     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001059     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001060     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001061     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001062     0.00000003142      3.49      4.00      3.25
   SRCPARAM L0001063     0.00000003142      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
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   SRCPARAM L0001064     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001065     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001066     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001067     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001068     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001069     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001070     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001071     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001072     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001073     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001074     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001075     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001076     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001077     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001078     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001079     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001080     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001081     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001082     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001083     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001084     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001085     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001086     0.00000006263      3.49      4.00      3.25
   SRCPARAM L0001087     0.00000006263      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0001088     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001089     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001090     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001091     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001092     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001093     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001094     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001095     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001096     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001097     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001098     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001099     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001100     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001101     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001102     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001103     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001104     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001105     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001106     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001107     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001108     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001109     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001110     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001111     0.00000004657      3.49      4.00      3.25
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SRCPARAM L0001112     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001113     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001114     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001115     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001116     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001117     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001118     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001119     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001120     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001121     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001122     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001123     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001124     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001125     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001126     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001127     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001128     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001129     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001130     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001131     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001132     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001133     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001134     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001135     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001136     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001137     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001138     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001139     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001140     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001141     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001142     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001143     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001144     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001145     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001146     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001147     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001148     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001149     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001150     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001151     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001152     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001153     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001154     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001155     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001156     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001157     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001158     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001159     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001160     0.00000004657      3.49      4.00      3.25
SRCPARAM L0001161     0.00000004657      3.49      4.00      3.25
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   SRCPARAM L0001162     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001163     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001164     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001165     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001166     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001167     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001168     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001169     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001170     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001171     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001172     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001173     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001174     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001175     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001176     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001177     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001178     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001179     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001180     0.00000004657      3.49      4.00      3.25
   SRCPARAM L0001181     0.00000004657      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0001182     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001183     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001184     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001185     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001186     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001187     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001188     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001189     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001190     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001191     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001192     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001193     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001194     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001195     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001196     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001197     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001198     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001199     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001200     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001201     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001202     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001203     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001204     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001205     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001206     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001207     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001208     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001209     0.00000009478      3.49      3.95      3.25
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   SRCPARAM L0001210     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001211     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001212     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001213     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001214     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001215     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001216     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001217     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001218     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001219     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001220     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001221     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001222     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001223     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001224     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001225     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001226     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001227     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001228     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001229     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001230     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001231     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001232     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001233     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001234     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001235     0.00000009478      3.49      3.95      3.25
   SRCPARAM L0001236     0.00000009478      3.49      3.95      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0001237     0.000003218      3.49      4.00      3.25
   SRCPARAM L0001238     0.000003218      3.49      4.00      3.25
   SRCPARAM L0001239     0.000003218      3.49      4.00      3.25
   SRCPARAM L0001240     0.000003218      3.49      4.00      3.25
   SRCPARAM L0001241     0.000003218      3.49      4.00      3.25
   SRCPARAM L0001242     0.000003218      3.49      4.00      3.25
   SRCPARAM L0001243     0.000003218      3.49      4.00      3.25
   SRCPARAM L0001244     0.000003218      3.49      4.00      3.25
   SRCPARAM L0001245     0.000003218      3.49      4.00      3.25
   SRCPARAM L0001246     0.000003218      3.49      4.00      3.25
   SRCPARAM L0001247     0.000003218      3.49      4.00      3.25
   SRCPARAM L0001248     0.000003218      3.49      4.00      3.25
   SRCPARAM L0001249     0.000003218      3.49      4.00      3.25
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
```

```
**
**
RE STARTING
   INCLUDED ProjAB3.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "..\..\Desktop\_HRA_MET and TOPO data\PERI_V9_ADJU\PERI_v9.SFC"
   PROFFILE "..\..\Desktop\_HRA_MET and TOPO data\PERI_V9_ADJU\PERI_v9.PFL"
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL PROJAB3.AD\PE00GALL.PLT 31
   SUMMFILE ProjAB3.sum
OU FINISHED

  *** Message Summary For AERMOD Model Setup ***
  --------- Summary of Total Messages --------

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


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

    ********   WARNING MESSAGES   ********
 ME W186     569       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     569       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for   205 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   2189641.0 ; Urban Roughness Length = 1.000 m

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

**Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates PERIOD Averages Only

**This Run Includes: 205 Source(s);   1 Source Group(s); and   784 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 205 VOLUME source(s)
                and: 0 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

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

**The AERMET Input Meteorological Data Version Date:  16216

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   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 =      3.7 MB of RAM.

**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out

**Detailed Error/Message File:   ProjAB3.err
**File for Summary of Results:   ProjAB3.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001045	0	0.31420E-07	474227.5	3752594.4	473.0	3.49	4.00	3.25	YES	
L0001046	0	0.31420E-07	474227.6	3752603.0	473.1	3.49	4.00	3.25	YES	
L0001047	0	0.31420E-07	474227.6	3752611.6	473.1	3.49	4.00	3.25	YES	
L0001048	0	0.31420E-07	474227.6	3752620.1	473.2	3.49	4.00	3.25	YES	
L0001049	0	0.31420E-07	474227.6	3752628.7	473.2	3.49	4.00	3.25	YES	
L0001050	0	0.31420E-07	474227.7	3752637.3	473.2	3.49	4.00	3.25	YES	
L0001051	0	0.31420E-07	474227.7	3752645.9	473.3	3.49	4.00	3.25	YES	
L0001052	0	0.31420E-07	474227.7	3752654.5	473.3	3.49	4.00	3.25	YES	
L0001053	0	0.31420E-07	474227.8	3752663.1	473.3	3.49	4.00	3.25	YES	
L0001054	0	0.31420E-07	474227.8	3752671.7	473.4	3.49	4.00	3.25	YES	
L0001055	0	0.31420E-07	474227.8	3752680.3	473.4	3.49	4.00	3.25	YES	
L0001056	0	0.31420E-07	474227.9	3752688.9	473.4	3.49	4.00	3.25	YES	
L0001057	0	0.31420E-07	474227.9	3752697.5	473.4	3.49	4.00	3.25	YES	
L0001058	0	0.31420E-07	474227.9	3752706.0	473.4	3.49	4.00	3.25	YES	
L0001059	0	0.31420E-07	474227.9	3752714.6	473.4	3.49	4.00	3.25	YES	
L0001060	0	0.31420E-07	474228.0	3752723.2	473.4	3.49	4.00	3.25	YES	
L0001061	0	0.31420E-07	474228.0	3752731.8	473.4	3.49	4.00	3.25	YES	
L0001062	0	0.31420E-07	474228.0	3752740.4	473.3	3.49	4.00	3.25	YES	
L0001063	0	0.31420E-07	474228.1	3752749.0	473.3	3.49	4.00	3.25	YES	
L0001064	0	0.62630E-07	474227.3	3752760.7	473.1	3.49	4.00	3.25	YES	
L0001065	0	0.62630E-07	474227.4	3752769.2	473.1	3.49	4.00	3.25	YES	
L0001066	0	0.62630E-07	474227.6	3752777.8	473.0	3.49	4.00	3.25	YES	
L0001067	0	0.62630E-07	474227.7	3752786.4	473.0	3.49	4.00	3.25	YES	
L0001068	0	0.62630E-07	474227.9	3752795.0	473.0	3.49	4.00	3.25	YES	
L0001069	0	0.62630E-07	474228.0	3752803.6	472.9	3.49	4.00	3.25	YES	
L0001070	0	0.62630E-07	474228.1	3752812.2	472.9	3.49	4.00	3.25	YES	
L0001071	0	0.62630E-07	474228.2	3752820.8	472.9	3.49	4.00	3.25	YES	
L0001072	0	0.62630E-07	474228.4	3752829.4	473.0	3.49	4.00	3.25	YES	
L0001073	0	0.62630E-07	474228.5	3752838.0	473.0	3.49	4.00	3.25	YES	
L0001074	0	0.62630E-07	474228.6	3752846.5	473.0	3.49	4.00	3.25	YES	
L0001075	0	0.62630E-07	474228.7	3752855.1	473.0	3.49	4.00	3.25	YES	
L0001076	0	0.62630E-07	474228.8	3752863.7	473.0	3.49	4.00	3.25	YES	
L0001077	0	0.62630E-07	474228.9	3752872.3	473.1	3.49	4.00	3.25	YES	
L0001078	0	0.62630E-07	474229.0	3752880.9	473.0	3.49	4.00	3.25	YES	
L0001079	0	0.62630E-07	474229.1	3752889.5	473.0	3.49	4.00	3.25	YES	
L0001080	0	0.62630E-07	474229.2	3752898.1	473.0	3.49	4.00	3.25	YES	
L0001081	0	0.62630E-07	474229.3	3752906.7	472.9	3.49	4.00	3.25	YES	
L0001082	0	0.62630E-07	474229.1	3752915.3	472.9	3.49	4.00	3.25	YES	
L0001083	0	0.62630E-07	474228.7	3752923.8	472.8	3.49	4.00	3.25	YES	
L0001084	0	0.62630E-07	474228.3	3752932.4	472.7	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001085	0	0.62630E-07	474227.8	3752941.0	472.6	3.49	4.00	3.25	YES	
L0001086	0	0.62630E-07	474227.4	3752949.6	472.6	3.49	4.00	3.25	YES	
L0001087	0	0.62630E-07	474227.0	3752958.2	472.6	3.49	4.00	3.25	YES	
L0001088	0	0.46570E-07	474226.4	3752970.4	472.5	3.49	4.00	3.25	YES	
L0001089	0	0.46570E-07	474226.4	3752978.9	472.5	3.49	4.00	3.25	YES	
L0001090	0	0.46570E-07	474219.9	3752981.0	472.4	3.49	4.00	3.25	YES	
L0001091	0	0.46570E-07	474211.3	3752981.0	472.3	3.49	4.00	3.25	YES	
L0001092	0	0.46570E-07	474202.7	3752980.9	472.1	3.49	4.00	3.25	YES	
L0001093	0	0.46570E-07	474194.1	3752980.9	471.9	3.49	4.00	3.25	YES	
L0001094	0	0.46570E-07	474185.5	3752980.8	471.6	3.49	4.00	3.25	YES	
L0001095	0	0.46570E-07	474177.0	3752980.7	471.5	3.49	4.00	3.25	YES	
L0001096	0	0.46570E-07	474168.4	3752980.7	471.3	3.49	4.00	3.25	YES	
L0001097	0	0.46570E-07	474159.8	3752980.6	471.2	3.49	4.00	3.25	YES	
L0001098	0	0.46570E-07	474151.2	3752980.6	471.1	3.49	4.00	3.25	YES	
L0001099	0	0.46570E-07	474142.6	3752980.5	471.1	3.49	4.00	3.25	YES	
L0001100	0	0.46570E-07	474134.0	3752980.5	471.0	3.49	4.00	3.25	YES	
L0001101	0	0.46570E-07	474125.4	3752980.4	471.0	3.49	4.00	3.25	YES	
L0001102	0	0.46570E-07	474116.8	3752980.4	470.9	3.49	4.00	3.25	YES	
L0001103	0	0.46570E-07	474108.2	3752980.3	470.9	3.49	4.00	3.25	YES	
L0001104	0	0.46570E-07	474099.6	3752980.3	470.8	3.49	4.00	3.25	YES	
L0001105	0	0.46570E-07	474091.1	3752980.2	470.6	3.49	4.00	3.25	YES	
L0001106	0	0.46570E-07	474082.5	3752980.2	470.5	3.49	4.00	3.25	YES	
L0001107	0	0.46570E-07	474073.9	3752980.1	470.4	3.49	4.00	3.25	YES	
L0001108	0	0.46570E-07	474065.3	3752980.1	470.4	3.49	4.00	3.25	YES	
L0001109	0	0.46570E-07	474056.7	3752980.1	470.4	3.49	4.00	3.25	YES	
L0001110	0	0.46570E-07	474048.1	3752980.0	470.5	3.49	4.00	3.25	YES	
L0001111	0	0.46570E-07	474039.5	3752980.0	470.6	3.49	4.00	3.25	YES	
L0001112	0	0.46570E-07	474030.9	3752979.9	470.7	3.49	4.00	3.25	YES	
L0001113	0	0.46570E-07	474022.3	3752979.9	470.7	3.49	4.00	3.25	YES	
L0001114	0	0.46570E-07	474013.7	3752979.9	470.6	3.49	4.00	3.25	YES	
L0001115	0	0.46570E-07	474005.2	3752979.8	470.6	3.49	4.00	3.25	YES	
L0001116	0	0.46570E-07	473996.6	3752979.8	470.6	3.49	4.00	3.25	YES	
L0001117	0	0.46570E-07	473988.0	3752979.7	470.5	3.49	4.00	3.25	YES	
L0001118	0	0.46570E-07	473979.4	3752979.7	470.5	3.49	4.00	3.25	YES	
L0001119	0	0.46570E-07	473970.8	3752979.6	470.4	3.49	4.00	3.25	YES	
L0001120	0	0.46570E-07	473962.2	3752979.5	470.4	3.49	4.00	3.25	YES	
L0001121	0	0.46570E-07	473953.6	3752979.2	470.4	3.49	4.00	3.25	YES	
L0001122	0	0.46570E-07	473945.0	3752979.0	470.2	3.49	4.00	3.25	YES	
L0001123	0	0.46570E-07	473936.4	3752978.7	470.1	3.49	4.00	3.25	YES	
L0001124	0	0.46570E-07	473927.9	3752978.5	469.9	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001125	0	0.46570E-07	473919.3	3752978.3	469.8	3.49	4.00	3.25	YES	
L0001126	0	0.46570E-07	473910.7	3752978.0	469.5	3.49	4.00	3.25	YES	
L0001127	0	0.46570E-07	473902.1	3752977.8	469.3	3.49	4.00	3.25	YES	
L0001128	0	0.46570E-07	473893.5	3752977.6	469.2	3.49	4.00	3.25	YES	
L0001129	0	0.46570E-07	473884.9	3752977.3	469.1	3.49	4.00	3.25	YES	
L0001130	0	0.46570E-07	473876.3	3752977.1	469.0	3.49	4.00	3.25	YES	
L0001131	0	0.46570E-07	473867.8	3752976.9	468.9	3.49	4.00	3.25	YES	
L0001132	0	0.46570E-07	473859.2	3752976.6	468.8	3.49	4.00	3.25	YES	
L0001133	0	0.46570E-07	473850.6	3752976.4	468.8	3.49	4.00	3.25	YES	
L0001134	0	0.46570E-07	473842.0	3752976.4	468.7	3.49	4.00	3.25	YES	
L0001135	0	0.46570E-07	473833.4	3752976.3	468.7	3.49	4.00	3.25	YES	
L0001136	0	0.46570E-07	473824.8	3752976.3	468.6	3.49	4.00	3.25	YES	
L0001137	0	0.46570E-07	473816.2	3752976.3	468.6	3.49	4.00	3.25	YES	
L0001138	0	0.46570E-07	473807.6	3752976.2	468.7	3.49	4.00	3.25	YES	
L0001139	0	0.46570E-07	473799.0	3752976.2	468.7	3.49	4.00	3.25	YES	
L0001140	0	0.46570E-07	473790.4	3752976.2	468.8	3.49	4.00	3.25	YES	
L0001141	0	0.46570E-07	473781.9	3752976.1	469.0	3.49	4.00	3.25	YES	
L0001142	0	0.46570E-07	473773.3	3752976.1	469.2	3.49	4.00	3.25	YES	
L0001143	0	0.46570E-07	473764.7	3752976.1	469.3	3.49	4.00	3.25	YES	
L0001144	0	0.46570E-07	473756.1	3752976.0	469.3	3.49	4.00	3.25	YES	
L0001145	0	0.46570E-07	473747.5	3752976.0	469.4	3.49	4.00	3.25	YES	
L0001146	0	0.46570E-07	473738.9	3752976.0	469.4	3.49	4.00	3.25	YES	
L0001147	0	0.46570E-07	473730.3	3752975.9	469.4	3.49	4.00	3.25	YES	
L0001148	0	0.46570E-07	473721.7	3752975.9	469.4	3.49	4.00	3.25	YES	
L0001149	0	0.46570E-07	473713.1	3752975.8	469.3	3.49	4.00	3.25	YES	
L0001150	0	0.46570E-07	473704.5	3752975.8	469.3	3.49	4.00	3.25	YES	
L0001151	0	0.46570E-07	473696.0	3752975.8	469.2	3.49	4.00	3.25	YES	
L0001152	0	0.46570E-07	473687.4	3752975.7	469.1	3.49	4.00	3.25	YES	
L0001153	0	0.46570E-07	473678.8	3752975.7	469.0	3.49	4.00	3.25	YES	
L0001154	0	0.46570E-07	473670.2	3752975.7	468.9	3.49	4.00	3.25	YES	
L0001155	0	0.46570E-07	473661.6	3752975.6	468.8	3.49	4.00	3.25	YES	
L0001156	0	0.46570E-07	473653.0	3752975.6	468.6	3.49	4.00	3.25	YES	
L0001157	0	0.46570E-07	473644.4	3752975.6	468.5	3.49	4.00	3.25	YES	
L0001158	0	0.46570E-07	473635.8	3752975.5	468.4	3.49	4.00	3.25	YES	
L0001159	0	0.46570E-07	473627.2	3752975.5	468.2	3.49	4.00	3.25	YES	
L0001160	0	0.46570E-07	473618.6	3752975.5	468.1	3.49	4.00	3.25	YES	
L0001161	0	0.46570E-07	473610.1	3752975.4	468.0	3.49	4.00	3.25	YES	
L0001162	0	0.46570E-07	473601.5	3752975.4	468.0	3.49	4.00	3.25	YES	
L0001163	0	0.46570E-07	473592.9	3752975.4	467.9	3.49	4.00	3.25	YES	
L0001164	0	0.46570E-07	473584.3	3752975.3	467.9	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001165	0	0.46570E-07	473575.7	3752975.3	467.8	3.49	4.00	3.25	YES	
L0001166	0	0.46570E-07	473567.1	3752975.2	467.8	3.49	4.00	3.25	YES	
L0001167	0	0.46570E-07	473558.5	3752975.2	467.8	3.49	4.00	3.25	YES	
L0001168	0	0.46570E-07	473549.9	3752975.2	467.7	3.49	4.00	3.25	YES	
L0001169	0	0.46570E-07	473541.3	3752975.1	467.7	3.49	4.00	3.25	YES	
L0001170	0	0.46570E-07	473532.8	3752975.1	467.6	3.49	4.00	3.25	YES	
L0001171	0	0.46570E-07	473524.2	3752975.1	467.6	3.49	4.00	3.25	YES	
L0001172	0	0.46570E-07	473515.6	3752975.0	467.6	3.49	4.00	3.25	YES	
L0001173	0	0.46570E-07	473507.0	3752975.0	467.8	3.49	4.00	3.25	YES	
L0001174	0	0.46570E-07	473499.0	3752972.0	468.2	3.49	4.00	3.25	YES	
L0001175	0	0.46570E-07	473491.1	3752968.6	468.7	3.49	4.00	3.25	YES	
L0001176	0	0.46570E-07	473482.9	3752966.8	468.7	3.49	4.00	3.25	YES	
L0001177	0	0.46570E-07	473474.3	3752966.8	468.7	3.49	4.00	3.25	YES	
L0001178	0	0.46570E-07	473465.7	3752966.8	468.6	3.49	4.00	3.25	YES	
L0001179	0	0.46570E-07	473457.1	3752966.8	467.7	3.49	4.00	3.25	YES	
L0001180	0	0.46570E-07	473448.6	3752966.8	466.2	3.49	4.00	3.25	YES	
L0001181	0	0.46570E-07	473440.0	3752966.8	464.8	3.49	4.00	3.25	YES	
L0001182	0	0.94780E-07	474235.6	3752593.4	473.0	3.49	3.95	3.25	YES	
L0001183	0	0.94780E-07	474244.1	3752593.4	472.9	3.49	3.95	3.25	YES	
L0001184	0	0.94780E-07	474252.6	3752593.5	472.7	3.49	3.95	3.25	YES	
L0001185	0	0.94780E-07	474261.1	3752593.5	472.7	3.49	3.95	3.25	YES	
L0001186	0	0.94780E-07	474269.6	3752593.5	472.6	3.49	3.95	3.25	YES	
L0001187	0	0.94780E-07	474278.1	3752593.5	472.5	3.49	3.95	3.25	YES	
L0001188	0	0.94780E-07	474286.6	3752593.6	472.5	3.49	3.95	3.25	YES	
L0001189	0	0.94780E-07	474295.1	3752593.6	472.5	3.49	3.95	3.25	YES	
L0001190	0	0.94780E-07	474303.6	3752593.6	472.4	3.49	3.95	3.25	YES	
L0001191	0	0.94780E-07	474312.1	3752593.6	472.4	3.49	3.95	3.25	YES	
L0001192	0	0.94780E-07	474320.6	3752593.6	472.5	3.49	3.95	3.25	YES	
L0001193	0	0.94780E-07	474329.1	3752593.7	472.5	3.49	3.95	3.25	YES	
L0001194	0	0.94780E-07	474337.6	3752593.7	472.5	3.49	3.95	3.25	YES	
L0001195	0	0.94780E-07	474346.1	3752593.7	472.5	3.49	3.95	3.25	YES	
L0001196	0	0.94780E-07	474354.6	3752593.7	472.5	3.49	3.95	3.25	YES	
L0001197	0	0.94780E-07	474363.1	3752593.8	472.5	3.49	3.95	3.25	YES	
L0001198	0	0.94780E-07	474371.6	3752593.8	472.5	3.49	3.95	3.25	YES	
L0001199	0	0.94780E-07	474380.1	3752593.8	472.6	3.49	3.95	3.25	YES	
L0001200	0	0.94780E-07	474386.0	3752596.4	472.6	3.49	3.95	3.25	YES	
L0001201	0	0.94780E-07	474385.8	3752604.9	472.6	3.49	3.95	3.25	YES	
L0001202	0	0.94780E-07	474385.7	3752613.4	472.7	3.49	3.95	3.25	YES	
L0001203	0	0.94780E-07	474385.5	3752621.9	472.7	3.49	3.95	3.25	YES	
L0001204	0	0.94780E-07	474385.3	3752630.4	472.7	3.49	3.95	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001205	0	0.94780E-07	474385.1	3752638.9	472.8	3.49	3.95	3.25	YES	
L0001206	0	0.94780E-07	474385.0	3752647.4	472.8	3.49	3.95	3.25	YES	
L0001207	0	0.94780E-07	474384.8	3752655.9	472.8	3.49	3.95	3.25	YES	
L0001208	0	0.94780E-07	474384.6	3752664.4	472.8	3.49	3.95	3.25	YES	
L0001209	0	0.94780E-07	474384.4	3752672.9	472.9	3.49	3.95	3.25	YES	
L0001210	0	0.94780E-07	474384.3	3752681.4	472.9	3.49	3.95	3.25	YES	
L0001211	0	0.94780E-07	474384.1	3752689.9	472.9	3.49	3.95	3.25	YES	
L0001212	0	0.94780E-07	474383.9	3752698.4	472.9	3.49	3.95	3.25	YES	
L0001213	0	0.94780E-07	474383.7	3752706.9	472.9	3.49	3.95	3.25	YES	
L0001214	0	0.94780E-07	474383.6	3752715.4	472.9	3.49	3.95	3.25	YES	
L0001215	0	0.94780E-07	474383.4	3752723.9	472.9	3.49	3.95	3.25	YES	
L0001216	0	0.94780E-07	474383.2	3752732.4	473.0	3.49	3.95	3.25	YES	
L0001217	0	0.94780E-07	474383.0	3752740.9	473.0	3.49	3.95	3.25	YES	
L0001218	0	0.94780E-07	474382.9	3752749.4	473.1	3.49	3.95	3.25	YES	
L0001219	0	0.94780E-07	474382.6	3752757.7	473.4	3.49	3.95	3.25	YES	
L0001220	0	0.94780E-07	474374.1	3752757.6	473.4	3.49	3.95	3.25	YES	
L0001221	0	0.94780E-07	474365.6	3752757.5	473.4	3.49	3.95	3.25	YES	
L0001222	0	0.94780E-07	474357.1	3752757.5	473.4	3.49	3.95	3.25	YES	
L0001223	0	0.94780E-07	474348.6	3752757.4	473.4	3.49	3.95	3.25	YES	
L0001224	0	0.94780E-07	474340.1	3752757.3	473.4	3.49	3.95	3.25	YES	
L0001225	0	0.94780E-07	474331.6	3752757.2	473.4	3.49	3.95	3.25	YES	
L0001226	0	0.94780E-07	474323.1	3752757.1	473.4	3.49	3.95	3.25	YES	
L0001227	0	0.94780E-07	474314.6	3752757.0	473.4	3.49	3.95	3.25	YES	
L0001228	0	0.94780E-07	474306.1	3752756.9	473.4	3.49	3.95	3.25	YES	
L0001229	0	0.94780E-07	474297.6	3752756.8	473.4	3.49	3.95	3.25	YES	
L0001230	0	0.94780E-07	474289.1	3752756.7	473.3	3.49	3.95	3.25	YES	
L0001231	0	0.94780E-07	474280.6	3752756.6	473.3	3.49	3.95	3.25	YES	
L0001232	0	0.94780E-07	474272.1	3752756.5	473.3	3.49	3.95	3.25	YES	
L0001233	0	0.94780E-07	474263.6	3752756.4	473.3	3.49	3.95	3.25	YES	
L0001234	0	0.94780E-07	474255.1	3752756.3	473.4	3.49	3.95	3.25	YES	
L0001235	0	0.94780E-07	474246.6	3752756.2	473.4	3.49	3.95	3.25	YES	
L0001236	0	0.94780E-07	474238.1	3752756.1	473.4	3.49	3.95	3.25	YES	
L0001237	0	0.32180E-05	474350.7	3752729.8	473.1	3.49	4.00	3.25	YES	
L0001238	0	0.32180E-05	474350.9	3752721.3	473.0	3.49	4.00	3.25	YES	
L0001239	0	0.32180E-05	474351.0	3752712.7	473.0	3.49	4.00	3.25	YES	
L0001240	0	0.32180E-05	474351.2	3752704.1	473.1	3.49	4.00	3.25	YES	
L0001241	0	0.32180E-05	474351.4	3752695.5	473.2	3.49	4.00	3.25	YES	
L0001242	0	0.32180E-05	474351.5	3752686.9	473.2	3.49	4.00	3.25	YES	
L0001243	0	0.32180E-05	474351.7	3752678.3	473.2	3.49	4.00	3.25	YES	
L0001244	0	0.32180E-05	474351.8	3752669.7	473.2	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001245	0	0.32180E-05	474352.0	3752661.1	473.2	3.49	4.00	3.25	YES	
L0001246	0	0.32180E-05	474352.1	3752652.5	473.2	3.49	4.00	3.25	YES	
L0001247	0	0.32180E-05	474352.3	3752644.0	473.2	3.49	4.00	3.25	YES	
L0001248	0	0.32180E-05	474352.4	3752635.4	473.1	3.49	4.00	3.25	YES	
L0001249	0	0.32180E-05	474352.6	3752626.8	473.1	3.49	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0001045 , L0001046 , L0001047 , L0001048 , L0001049 , L0001050 , L0001051 , L0001052 ,
	L0001053 , L0001054 , L0001055 , L0001056 , L0001057 , L0001058 , L0001059 , L0001060 ,
	L0001061 , L0001062 , L0001063 , L0001064 , L0001065 , L0001066 , L0001067 , L0001068 ,
	L0001069 , L0001070 , L0001071 , L0001072 , L0001073 , L0001074 , L0001075 , L0001076 ,
	L0001077 , L0001078 , L0001079 , L0001080 , L0001081 , L0001082 , L0001083 , L0001084 ,
	L0001085 , L0001086 , L0001087 , L0001088 , L0001089 , L0001090 , L0001091 , L0001092 ,
	L0001093 , L0001094 , L0001095 , L0001096 , L0001097 , L0001098 , L0001099 , L0001100 ,
	L0001101 , L0001102 , L0001103 , L0001104 , L0001105 , L0001106 , L0001107 , L0001108 ,
	L0001109 , L0001110 , L0001111 , L0001112 , L0001113 , L0001114 , L0001115 , L0001116 ,
	L0001117 , L0001118 , L0001119 , L0001120 , L0001121 , L0001122 , L0001123 , L0001124 ,
	L0001125 , L0001126 , L0001127 , L0001128 , L0001129 , L0001130 , L0001131 , L0001132 ,
	L0001133 , L0001134 , L0001135 , L0001136 , L0001137 , L0001138 , L0001139 , L0001140 ,
	L0001141 , L0001142 , L0001143 , L0001144 , L0001145 , L0001146 , L0001147 , L0001148 ,
	L0001149 , L0001150 , L0001151 , L0001152 , L0001153 , L0001154 , L0001155 , L0001156 ,
	L0001157 , L0001158 , L0001159 , L0001160 , L0001161 , L0001162 , L0001163 , L0001164 ,
	L0001165 , L0001166 , L0001167 , L0001168 , L0001169 , L0001170 , L0001171 , L0001172 ,
	L0001173 , L0001174 , L0001175 , L0001176 , L0001177 , L0001178 , L0001179 , L0001180 ,
	L0001181 , L0001182 , L0001183 , L0001184 , L0001185 , L0001186 , L0001187 , L0001188 ,
	L0001189 , L0001190 , L0001191 , L0001192 , L0001193 , L0001194 , L0001195 , L0001196 ,
	L0001197 , L0001198 , L0001199 , L0001200 , L0001201 , L0001202 , L0001203 , L0001204 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0001205 , L0001206 , L0001207 , L0001208 , L0001209 , L0001210 , L0001211 , L0001212 ,
	L0001213 , L0001214 , L0001215 , L0001216 , L0001217 , L0001218 , L0001219 , L0001220 ,
	L0001221 , L0001222 , L0001223 , L0001224 , L0001225 , L0001226 , L0001227 , L0001228 ,
	L0001229 , L0001230 , L0001231 , L0001232 , L0001233 , L0001234 , L0001235 , L0001236 ,
	L0001237 , L0001238 , L0001239 , L0001240 , L0001241 , L0001242 , L0001243 , L0001244 ,
	L0001245 , L0001246 , L0001247 , L0001248 , L0001249 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	L0001045 , L0001046 , L0001047 , L0001048 , L0001049 , L0001050 , L0001051 , L0001052 ,
		L0001053 , L0001054 , L0001055 , L0001056 , L0001057 , L0001058 , L0001059 , L0001060 ,
		L0001061 , L0001062 , L0001063 , L0001064 , L0001065 , L0001066 , L0001067 , L0001068 ,
		L0001069 , L0001070 , L0001071 , L0001072 , L0001073 , L0001074 , L0001075 , L0001076 ,
		L0001077 , L0001078 , L0001079 , L0001080 , L0001081 , L0001082 , L0001083 , L0001084 ,
		L0001085 , L0001086 , L0001087 , L0001088 , L0001089 , L0001090 , L0001091 , L0001092 ,
		L0001093 , L0001094 , L0001095 , L0001096 , L0001097 , L0001098 , L0001099 , L0001100 ,
		L0001101 , L0001102 , L0001103 , L0001104 , L0001105 , L0001106 , L0001107 , L0001108 ,
		L0001109 , L0001110 , L0001111 , L0001112 , L0001113 , L0001114 , L0001115 , L0001116 ,
		L0001117 , L0001118 , L0001119 , L0001120 , L0001121 , L0001122 , L0001123 , L0001124 ,
		L0001125 , L0001126 , L0001127 , L0001128 , L0001129 , L0001130 , L0001131 , L0001132 ,
		L0001133 , L0001134 , L0001135 , L0001136 , L0001137 , L0001138 , L0001139 , L0001140 ,
		L0001141 , L0001142 , L0001143 , L0001144 , L0001145 , L0001146 , L0001147 , L0001148 ,
		L0001149 , L0001150 , L0001151 , L0001152 , L0001153 , L0001154 , L0001155 , L0001156 ,
		L0001157 , L0001158 , L0001159 , L0001160 , L0001161 , L0001162 , L0001163 , L0001164 ,
		L0001165 , L0001166 , L0001167 , L0001168 , L0001169 , L0001170 , L0001171 , L0001172 ,
		L0001173 , L0001174 , L0001175 , L0001176 , L0001177 , L0001178 , L0001179 , L0001180 ,
		L0001181 , L0001182 , L0001183 , L0001184 , L0001185 , L0001186 , L0001187 , L0001188 ,
		L0001189 , L0001190 , L0001191 , L0001192 , L0001193 , L0001194 , L0001195 , L0001196 ,
		L0001197 , L0001198 , L0001199 , L0001200 , L0001201 , L0001202 , L0001203 , L0001204 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
		L0001205 , L0001206 , L0001207 , L0001208 , L0001209 , L0001210 , L0001211 , L0001212 ,
		L0001213 , L0001214 , L0001215 , L0001216 , L0001217 , L0001218 , L0001219 , L0001220 ,
		L0001221 , L0001222 , L0001223 , L0001224 , L0001225 , L0001226 , L0001227 , L0001228 ,
		L0001229 , L0001230 , L0001231 , L0001232 , L0001233 , L0001234 , L0001235 , L0001236 ,
		L0001237 , L0001238 , L0001239 , L0001240 , L0001241 , L0001242 , L0001243 , L0001244 ,
		L0001245 , L0001246 , L0001247 , L0001248 , L0001249 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

473265.3, 473315.3, 473365.3, 473415.3, 473465.3, 473515.3, 473565.3, 473615.3, 473665.3, 473715.3,
473765.3, 473815.3, 473865.3, 473915.3, 473965.3, 474015.3, 474065.3, 474115.3, 474165.3, 474215.3,
474265.3, 474315.3, 474365.3, 474415.3, 474465.3, 474515.3, 474565.3, 474615.3, 474665.3, 474715.3,
474765.3, 474815.3, 474865.3, 474915.3, 474965.3, 475015.3, 475065.3,

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

3752378.2, 3752428.2, 3752478.2, 3752528.2, 3752578.2, 3752628.2, 3752678.2, 3752728.2, 3752778.2, 3752828.2,
3752878.2, 3752928.2, 3752978.2, 3753028.2, 3753078.2, 3753128.2, 3753178.2, 3753228.2, 3753278.2, 3753328.2,
3753378.2,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 473265.34	473315.34	473365.34	473415.34	473465.34	473515.34	473565.34	473615.34	473665.34
3753378.19	463.70	464.30	466.10	468.00	468.20	468.00	467.70	468.30	468.70
3753328.19	463.60	464.00	465.50	468.40	468.70	468.60	468.50	469.20	468.90
3753278.19	463.30	463.70	464.60	468.40	468.60	468.40	468.60	468.60	468.60
3753228.19	463.30	462.80	463.90	466.70	466.70	467.00	467.40	467.80	468.20
3753178.19	464.20	461.80	463.50	464.20	464.30	465.90	467.20	467.70	468.00
3753128.19	465.30	462.00	463.50	463.60	463.20	465.60	467.60	468.90	468.50
3753078.19	466.90	463.80	463.40	464.00	463.60	464.20	466.90	468.00	468.20
3753028.19	468.60	463.30	463.00	463.70	466.40	465.90	467.50	467.80	468.40
3752978.19	471.20	469.10	467.10	463.40	468.30	467.40	467.80	468.10	468.80
3752928.19	470.70	470.10	468.70	463.60	466.60	467.00	466.60	467.40	468.30
3752878.19	468.80	468.10	467.80	464.50	464.20	465.50	464.10	466.70	468.30
3752828.19	468.60	469.10	468.20	467.30	464.40	465.80	464.70	466.00	466.30
3752778.19	467.30	469.20	468.70	467.90	465.60	465.10	465.90	466.40	465.80
3752728.19	466.20	468.70	468.30	467.50	466.60	465.70	466.30	467.50	467.00
3752678.19	469.20	467.20	469.00	468.50	468.60	466.80	466.30	468.50	468.20
3752628.19	472.30	468.50	468.50	469.50	468.90	467.90	467.40	467.50	468.90
3752578.19	472.50	471.90	468.20	469.20	469.80	469.10	468.60	467.80	468.50
3752528.19	473.20	472.80	471.60	468.10	469.70	470.20	469.30	468.60	468.40
3752478.19	474.10	473.10	472.60	470.90	468.60	470.60	470.00	469.20	469.10
3752428.19	475.00	475.00	473.80	473.20	470.00	470.10	471.40	469.90	469.20
3752378.19	476.40	476.10	475.60	474.20	473.50	469.40	471.40	470.90	470.40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 473715.34	473765.34	473815.34	473865.34	473915.34	473965.34	474015.34	474065.34	474115.34
3753378.19	469.00	469.40	470.70	471.50	471.50	471.60	472.20	472.00	472.70
3753328.19	469.00	469.60	470.20	471.00	472.40	471.50	471.40	471.50	472.30
3753278.19	468.70	469.10	469.30	470.10	471.50	471.00	470.70	470.80	471.60
3753228.19	468.70	468.50	468.90	470.60	471.30	470.70	470.30	470.20	471.00
3753178.19	468.80	468.00	469.00	470.80	470.70	469.80	469.60	469.80	471.00
3753128.19	468.70	467.90	468.00	469.10	469.20	468.90	469.00	469.60	471.50
3753078.19	467.80	467.90	467.70	468.60	469.20	469.40	469.30	469.50	471.20
3753028.19	468.60	468.50	468.00	469.00	470.00	471.00	470.40	469.70	470.90
3752978.19	469.30	469.20	468.60	468.90	469.70	470.40	470.60	470.50	470.90
3752928.19	469.30	469.90	469.40	469.10	469.30	469.90	470.80	470.90	470.90
3752878.19	469.70	470.70	470.30	469.80	469.30	469.50	470.50	470.70	470.90
3752828.19	468.00	469.60	470.50	470.60	469.80	469.60	470.00	470.50	470.90
3752778.19	466.10	468.60	470.00	470.80	470.50	470.00	469.70	470.70	470.60
3752728.19	466.20	466.80	468.20	470.00	470.60	470.60	470.20	470.70	470.90
3752678.19	466.90	466.50	467.10	469.20	470.40	470.80	470.90	471.10	471.20
3752628.19	468.00	467.30	467.00	468.50	470.10	470.60	471.00	471.00	471.30
3752578.19	469.00	468.30	468.10	467.50	469.00	470.00	470.10	470.40	470.90
3752528.19	469.10	469.40	469.30	468.40	468.20	469.30	469.50	470.30	470.60
3752478.19	469.10	469.30	469.50	469.70	468.80	469.10	469.60	470.30	471.10
3752428.19	469.30	469.50	469.70	470.00	469.80	469.00	469.70	470.70	471.70
3752378.19	469.80	469.60	469.60	470.00	470.30	469.50	469.90	470.20	471.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	474165.34	474215.34	474265.34	474315.34	474365.34	474415.34	474465.34	474515.34	474565.34
3753378.19	473.90	475.70	477.80	475.50	472.70	472.60	474.70	477.40	479.40
3753328.19	473.60	475.60	478.50	475.90	473.40	473.10	476.10	478.20	478.90
3753278.19	472.70	474.20	476.50	477.10	476.80	476.70	474.70	478.60	476.90
3753228.19	472.50	474.60	477.90	476.80	477.40	478.80	476.40	475.40	475.00
3753178.19	474.20	476.10	476.20	475.60	476.70	479.10	477.00	474.20	474.40
3753128.19	473.30	475.10	474.10	474.90	477.50	478.20	476.70	475.50	474.40
3753078.19	472.10	472.70	473.30	475.50	477.00	475.90	476.00	476.80	474.60
3753028.19	471.20	472.00	474.00	476.50	475.70	474.80	475.60	476.40	474.90
3752978.19	471.30	472.30	473.70	475.00	474.80	475.00	475.40	475.70	475.70
3752928.19	471.50	472.60	473.50	473.90	474.20	474.40	474.70	475.10	475.40
3752878.19	471.70	472.90	473.90	474.30	474.30	474.10	474.30	474.90	475.20
3752828.19	471.60	472.50	473.70	474.30	474.40	473.90	474.10	474.70	475.20
3752778.19	471.10	472.30	473.60	474.00	474.10	473.70	473.80	474.20	474.50
3752728.19	471.80	473.00	473.10	473.10	473.00	473.00	473.50	474.00	474.10
3752678.19	472.00	473.10	473.10	473.20	473.10	472.70	473.20	473.90	474.00
3752628.19	472.20	473.10	473.10	473.10	473.00	472.50	473.20	473.50	473.90
3752578.19	471.60	472.70	472.40	472.10	472.20	472.60	473.00	473.30	473.70
3752528.19	471.40	472.70	471.90	471.20	471.40	471.70	471.90	472.20	472.40
3752478.19	471.60	472.40	471.80	471.40	471.30	471.60	471.90	472.30	472.80
3752428.19	472.20	471.90	471.70	471.40	471.30	471.60	471.90	472.50	473.10
3752378.19	471.50	471.50	471.70	471.20	471.30	471.50	471.90	472.60	473.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	474615.34	474665.34	474715.34	474765.34	474815.34	474865.34	474915.34	474965.34	475015.34
3753378.19	479.00	478.70	479.80	480.00	479.00	479.10	480.20	480.90	480.60
3753328.19	477.60	478.30	479.60	478.70	478.50	479.10	480.30	480.70	480.70
3753278.19	476.70	477.60	478.00	476.90	477.60	478.90	479.90	480.40	480.50
3753228.19	475.80	477.20	477.40	476.90	478.80	480.00	480.00	479.70	479.90
3753178.19	476.20	476.40	476.30	476.90	479.20	479.90	479.80	479.10	479.10
3753128.19	475.30	475.60	476.40	477.50	479.10	479.30	479.40	478.50	478.40
3753078.19	474.60	475.70	477.00	478.30	479.20	478.90	478.90	478.10	477.80
3753028.19	474.90	476.20	477.10	478.60	478.80	478.70	478.70	478.00	477.50
3752978.19	475.90	476.70	477.30	478.00	478.20	478.30	478.30	478.00	477.50
3752928.19	475.80	477.00	477.60	478.10	478.40	477.70	477.70	477.80	477.60
3752878.19	475.30	477.10	477.30	477.60	477.80	477.40	477.50	477.80	477.30
3752828.19	475.10	476.60	476.10	476.10	476.70	476.60	477.00	477.20	476.40
3752778.19	474.80	476.10	475.70	475.80	476.40	476.20	476.50	476.70	476.00
3752728.19	474.40	475.40	475.20	474.90	475.70	476.00	476.00	476.00	475.80
3752678.19	474.20	475.80	475.60	474.60	474.80	475.20	475.30	475.60	475.50
3752628.19	474.20	475.80	475.70	474.80	474.50	474.80	475.00	475.30	475.30
3752578.19	473.90	474.40	474.60	474.60	474.90	474.90	474.70	474.60	474.70
3752528.19	472.70	473.40	474.20	474.80	474.80	474.70	474.60	474.60	474.50
3752478.19	473.20	473.70	474.10	474.80	474.60	474.50	474.60	474.50	474.40
3752428.19	473.70	473.90	473.90	474.40	474.40	474.50	474.30	474.00	474.20
3752378.19	474.00	474.10	473.90	473.80	474.10	474.50	474.60	474.30	474.10

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 475065.34
3753378.19	480.10
3753328.19	480.10
3753278.19	479.90
3753228.19	479.50
3753178.19	479.00
3753128.19	478.30
3753078.19	477.70
3753028.19	477.20
3752978.19	476.90
3752928.19	476.70
3752878.19	476.40
3752828.19	476.10
3752778.19	475.80
3752728.19	475.80
3752678.19	475.70
3752628.19	475.50
3752578.19	474.80
3752528.19	474.40
3752478.19	474.40
3752428.19	474.30
3752378.19	474.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 473265.34	473315.34	473365.34	473415.34	473465.34	473515.34	473565.34	473615.34	473665.34
3753378.19	463.70	464.30	466.10	468.00	468.20	468.00	467.70	468.30	468.70
3753328.19	463.60	464.00	468.10	468.40	468.70	468.60	468.50	469.20	468.90
3753278.19	463.30	463.70	467.00	468.40	468.60	468.40	468.60	468.60	468.60
3753228.19	463.30	462.80	463.90	466.70	466.70	467.00	467.40	467.80	468.20
3753178.19	464.20	461.80	463.50	464.20	464.30	465.90	467.20	467.70	468.00
3753128.19	466.30	462.00	463.50	463.60	463.20	465.60	467.60	468.90	468.50
3753078.19	466.90	463.80	463.40	464.00	463.60	464.20	466.90	468.00	468.20
3753028.19	468.60	471.80	470.10	463.70	466.40	465.90	467.50	467.80	468.40
3752978.19	471.20	470.70	469.40	469.40	468.30	467.40	467.80	468.10	468.80
3752928.19	470.70	470.10	469.90	469.90	466.60	467.00	466.60	467.40	468.30
3752878.19	468.80	468.10	467.80	464.50	464.20	465.50	464.10	466.70	468.30
3752828.19	468.60	469.10	468.20	467.30	464.40	465.80	464.70	466.00	466.30
3752778.19	467.30	469.20	468.70	467.90	465.60	465.10	465.90	466.40	465.80
3752728.19	466.20	468.70	468.30	467.50	466.60	465.70	466.30	467.50	467.00
3752678.19	471.90	467.20	469.00	468.50	468.60	466.80	466.30	468.50	468.20
3752628.19	472.30	472.00	468.50	469.50	468.90	467.90	467.40	467.50	468.90
3752578.19	472.50	471.90	472.00	469.20	469.80	469.10	468.60	467.80	468.50
3752528.19	473.20	472.80	471.60	468.10	469.70	470.20	469.30	468.60	468.40
3752478.19	474.10	473.10	472.60	471.80	468.60	470.60	470.00	469.20	469.10
3752428.19	475.00	475.00	473.80	473.20	473.50	470.10	471.40	469.90	469.20
3752378.19	476.40	476.10	475.60	474.20	473.50	474.00	471.40	470.90	470.40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 473715.34	473765.34	473815.34	473865.34	473915.34	473965.34	474015.34	474065.34	474115.34
3753378.19	469.00	469.40	470.70	471.50	471.50	471.60	472.20	472.00	472.70
3753328.19	469.00	469.60	470.20	471.00	472.40	471.50	471.40	471.50	472.30
3753278.19	468.70	469.10	469.30	470.10	471.50	471.00	470.70	470.80	471.60
3753228.19	468.70	468.50	468.90	470.60	471.30	470.70	470.30	470.20	471.00
3753178.19	468.80	468.00	469.00	470.80	470.70	469.80	469.60	469.80	471.00
3753128.19	468.70	467.90	468.00	469.10	469.20	468.90	469.00	469.60	471.50
3753078.19	467.80	467.90	467.70	468.60	469.20	469.40	469.30	469.50	471.20
3753028.19	468.60	468.50	468.00	469.00	470.00	471.00	470.40	469.70	470.90
3752978.19	469.30	469.20	468.60	468.90	469.70	470.40	470.60	470.50	470.90
3752928.19	469.30	469.90	469.40	469.10	469.30	469.90	470.80	470.90	470.90
3752878.19	469.70	470.70	470.30	469.80	469.30	469.50	470.50	470.70	470.90
3752828.19	468.00	469.60	470.50	470.60	469.80	469.60	470.00	470.50	470.90
3752778.19	466.10	468.60	470.00	470.80	470.50	470.00	469.70	470.70	470.60
3752728.19	466.20	466.80	468.20	470.00	470.60	470.60	470.20	470.70	470.90
3752678.19	466.90	466.50	467.10	469.20	470.40	470.80	470.90	471.10	471.20
3752628.19	468.00	467.30	467.00	468.50	470.10	470.60	471.00	471.00	471.30
3752578.19	469.00	468.30	468.10	467.50	469.00	470.00	470.10	470.40	470.90
3752528.19	469.10	469.40	469.30	468.40	468.20	469.30	469.50	470.30	470.60
3752478.19	469.10	469.30	469.50	469.70	468.80	469.10	469.60	470.30	471.10
3752428.19	469.30	469.50	469.70	470.00	469.80	469.00	469.70	470.70	471.70
3752378.19	469.80	469.60	469.60	470.00	470.30	469.50	469.90	470.20	471.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	474165.34	474215.34	474265.34	474315.34	474365.34	474415.34	474465.34	474515.34	474565.34
3753378.19	473.90	475.70	477.80	475.50	472.70	472.60	474.70	477.40	479.40
3753328.19	473.60	475.60	478.50	475.90	473.40	473.10	476.10	478.20	478.90
3753278.19	472.70	474.20	476.50	477.10	476.80	477.20	477.30	478.60	476.90
3753228.19	472.50	474.60	477.90	476.80	477.40	478.80	476.40	475.40	475.00
3753178.19	474.20	476.10	476.20	475.60	476.70	479.10	477.00	474.20	474.40
3753128.19	473.30	475.10	474.10	474.90	477.50	478.20	476.70	475.50	474.40
3753078.19	472.10	472.70	473.30	475.50	477.00	475.90	476.00	476.80	474.60
3753028.19	471.20	472.00	474.00	476.50	475.70	474.80	475.60	476.40	474.90
3752978.19	471.30	472.30	473.70	475.00	474.80	475.00	475.40	475.70	475.70
3752928.19	471.50	472.60	473.50	473.90	474.20	474.40	474.70	475.10	475.40
3752878.19	471.70	472.90	473.90	474.30	474.30	474.10	474.30	474.90	475.20
3752828.19	471.60	472.50	473.70	474.30	474.40	473.90	474.10	474.70	475.20
3752778.19	471.10	472.30	473.60	474.00	474.10	473.70	473.80	474.20	474.50
3752728.19	471.80	473.00	473.10	473.10	473.00	473.00	473.50	474.00	474.10
3752678.19	472.00	473.10	473.10	473.20	473.10	472.70	473.20	473.90	474.00
3752628.19	472.20	473.10	473.10	473.10	473.00	472.50	473.20	473.50	473.90
3752578.19	471.60	472.70	472.40	472.10	472.20	472.60	473.00	473.30	473.70
3752528.19	471.40	472.70	471.90	471.20	471.40	471.70	471.90	472.20	472.40
3752478.19	471.60	472.40	471.80	471.40	471.30	471.60	471.90	472.30	472.80
3752428.19	472.20	471.90	471.70	471.40	471.30	471.60	471.90	472.50	473.10
3752378.19	471.50	471.50	471.70	471.20	471.30	471.50	471.90	472.60	473.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	474615.34	474665.34	474715.34	474765.34	474815.34	474865.34	474915.34	474965.34	475015.34
3753378.19	479.00	478.70	479.80	480.00	479.00	479.10	480.20	480.90	480.60
3753328.19	477.60	478.30	479.60	478.70	478.50	479.10	480.30	480.70	480.70
3753278.19	476.70	477.60	478.00	476.90	477.60	478.90	479.90	480.40	480.50
3753228.19	475.80	477.20	477.40	476.90	478.80	480.00	480.00	479.70	479.90
3753178.19	476.20	476.40	476.30	476.90	479.20	479.90	479.80	479.10	479.10
3753128.19	475.30	475.60	476.40	477.50	479.10	479.30	479.40	478.50	478.40
3753078.19	474.60	475.70	477.00	478.30	479.20	478.90	478.90	478.10	477.80
3753028.19	474.90	476.20	477.10	478.60	478.80	478.70	478.70	478.00	477.50
3752978.19	475.90	476.70	477.30	478.00	478.20	478.30	478.30	478.00	477.50
3752928.19	475.80	477.00	477.60	478.10	478.40	477.70	477.70	477.80	477.60
3752878.19	475.30	477.10	477.30	477.60	477.80	477.40	477.50	477.80	477.30
3752828.19	475.10	476.60	476.10	476.10	476.70	476.60	477.00	477.20	476.40
3752778.19	474.80	476.10	475.70	475.80	476.40	476.20	476.50	476.70	476.00
3752728.19	474.40	475.40	475.20	474.90	475.70	476.00	476.00	476.00	475.80
3752678.19	474.20	475.80	475.60	474.60	474.80	475.20	475.30	475.60	475.50
3752628.19	474.20	475.80	475.70	474.80	474.50	474.80	475.00	475.30	475.30
3752578.19	473.90	474.40	474.60	474.60	474.90	474.90	474.70	474.60	474.70
3752528.19	472.70	473.40	474.20	474.80	474.80	474.70	474.60	474.60	474.50
3752478.19	473.20	473.70	474.10	474.80	474.60	474.50	474.60	474.50	474.40
3752428.19	473.70	473.90	473.90	474.40	474.40	474.50	474.30	474.00	474.20
3752378.19	474.00	474.10	473.90	473.80	474.10	474.50	474.60	474.30	474.10

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 475065.34
3753378.19	480.10
3753328.19	480.10
3753278.19	479.90
3753228.19	479.50
3753178.19	479.00
3753128.19	478.30
3753078.19	477.70
3753028.19	477.20
3752978.19	476.90
3752928.19	476.70
3752878.19	476.40
3752828.19	476.10
3752778.19	475.80
3752728.19	475.80
3752678.19	475.70
3752628.19	475.50
3752578.19	474.80
3752528.19	474.40
3752478.19	474.40
3752428.19	474.30
3752378.19	474.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(	474410.8,	3753020.3,	474.8,	474.8,	0.0);	(	474129.0,	3753006.6,	470.9,	470.9,	0.0);
(	474069.0,	3752989.3,	470.2,	470.2,	0.0);	(	474038.0,	3752990.1,	470.5,	470.5,	0.0);
(	474408.3,	3752677.6,	472.7,	472.7,	0.0);	(	474354.5,	3752582.6,	472.3,	472.3,	0.0);
(	474214.1,	3752757.4,	472.6,	472.6,	0.0);						

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0001090	474215.3	3752978.2	-3.23
L0001091	474215.3	3752978.2	-3.70
L0001096	474165.3	3752978.2	-4.68
L0001097	474165.3	3752978.2	-2.52
L0001102	474115.3	3752978.2	-5.97
L0001103	474115.3	3752978.2	-1.18
L0001107	474065.3	3752978.2	0.15
L0001108	474065.3	3752978.2	-6.68
L0001109	474065.3	3752978.2	0.25
L0001113	474015.3	3752978.2	-1.40
L0001114	474015.3	3752978.2	-6.29
L0001119	473965.3	3752978.2	-2.95
L0001120	473965.3	3752978.2	-5.22
L0001125	473915.3	3752978.2	-4.67
L0001126	473915.3	3752978.2	-3.94
L0001131	473865.3	3752978.2	-5.85
L0001132	473865.3	3752978.2	-2.23
L0001137	473815.3	3752978.2	-6.49
L0001138	473815.3	3752978.2	-0.65
L0001142	473765.3	3752978.2	-0.40
L0001143	473765.3	3752978.2	-6.37
L0001144	473765.3	3752978.2	0.90
L0001148	473715.3	3752978.2	-1.81
L0001149	473715.3	3752978.2	-5.39
L0001154	473665.3	3752978.2	-3.13
L0001155	473665.3	3752978.2	-4.07
L0001160	473615.3	3752978.2	-4.31
L0001161	473615.3	3752978.2	-2.64
L0001166	473565.3	3752978.2	-5.16
L0001167	473565.3	3752978.2	-1.16
L0001171	473515.3	3752978.2	0.76
L0001172	473515.3	3752978.2	-5.43
L0001173	473515.3	3752978.2	0.35

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: ..\..\Desktop_HRA_MET and TOPO data\PERI_V9_ADJU\PERI_v9.SFC Met Version: 16216
Profile file: ..\..\Desktop_HRA_MET and TOPO data\PERI_V9_ADJU\PERI_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2010 Year: 2010

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
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40	188.	9.1	289.2	5.5
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70	310.	9.1	290.9	5.5
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20	357.	9.1	293.1	5.5
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20	356.	9.1	293.8	5.5
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20	50.	9.1	294.2	5.5
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80	53.	9.1	293.8	5.5
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80	11.	9.1	292.5	5.5
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	0.64	0.90	351.	9.1	290.4	5.5
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90	186.	9.1	287.5	5.5
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90	275.	9.1	285.9	5.5
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40	181.	9.1	285.4	5.5
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30	318.	9.1	284.9	5.5
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	196.	9.1	283.1	5.5
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	330.	9.1	281.4	5.5
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	332.	9.1	280.9	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001045 , L0001046 , L0001047 , L0001048 , L0001049 ,
L0001050 , L0001051 , L0001052 , L0001053 , L0001054 , L0001055 , L0001056 , L0001057 ,
L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 , L0001065 ,
L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	473265.34	473315.34	473365.34	473415.34	473465.34	473515.34	473565.34	473615.34	473665.34
3753378.19	0.00007	0.00007	0.00007	0.00008	0.00008	0.00009	0.00010	0.00010	0.00011
3753328.19	0.00007	0.00007	0.00008	0.00008	0.00009	0.00010	0.00010	0.00011	0.00012
3753278.19	0.00007	0.00008	0.00008	0.00009	0.00010	0.00011	0.00011	0.00012	0.00013
3753228.19	0.00008	0.00008	0.00009	0.00010	0.00011	0.00012	0.00013	0.00013	0.00014
3753178.19	0.00008	0.00009	0.00010	0.00011	0.00012	0.00013	0.00014	0.00015	0.00016
3753128.19	0.00008	0.00009	0.00010	0.00012	0.00013	0.00015	0.00017	0.00018	0.00019
3753078.19	0.00009	0.00010	0.00011	0.00014	0.00016	0.00019	0.00021	0.00022	0.00024
3753028.19	0.00009	0.00010	0.00013	0.00017	0.00023	0.00028	0.00032	0.00034	0.00035
3752978.19	0.00009	0.00011	0.00014	0.00024	0.00071	0.00051	0.00069	0.00070	0.00071
3752928.19	0.00009	0.00011	0.00014	0.00020	0.00032	0.00035	0.00037	0.00039	0.00041
3752878.19	0.00009	0.00011	0.00013	0.00015	0.00019	0.00022	0.00024	0.00026	0.00028
3752828.19	0.00009	0.00010	0.00012	0.00014	0.00016	0.00018	0.00020	0.00021	0.00023
3752778.19	0.00009	0.00010	0.00011	0.00013	0.00014	0.00016	0.00017	0.00019	0.00021
3752728.19	0.00009	0.00010	0.00011	0.00012	0.00013	0.00015	0.00016	0.00018	0.00020
3752678.19	0.00009	0.00009	0.00010	0.00011	0.00013	0.00014	0.00015	0.00017	0.00019
3752628.19	0.00008	0.00009	0.00010	0.00011	0.00012	0.00013	0.00015	0.00016	0.00018
3752578.19	0.00008	0.00009	0.00010	0.00011	0.00012	0.00013	0.00014	0.00015	0.00017
3752528.19	0.00008	0.00009	0.00009	0.00010	0.00011	0.00012	0.00013	0.00015	0.00016
3752478.19	0.00008	0.00008	0.00009	0.00010	0.00011	0.00012	0.00013	0.00014	0.00016
3752428.19	0.00008	0.00008	0.00009	0.00010	0.00010	0.00011	0.00012	0.00014	0.00015
3752378.19	0.00007	0.00008	0.00009	0.00009	0.00010	0.00011	0.00012	0.00013	0.00014

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001045 , L0001046 , L0001047 , L0001048 , L0001049 ,
L0001050 , L0001051 , L0001052 , L0001053 , L0001054 , L0001055 , L0001056 , L0001057 ,
L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 , L0001065 ,
L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	473715.34	473765.34	473815.34	473865.34	473915.34	473965.34	474015.34	474065.34	474115.34
3753378.19	0.00011	0.00012	0.00013	0.00013	0.00014	0.00015	0.00015	0.00016	0.00016
3753328.19	0.00012	0.00013	0.00014	0.00015	0.00016	0.00016	0.00017	0.00018	0.00019
3753278.19	0.00014	0.00015	0.00016	0.00016	0.00017	0.00018	0.00019	0.00020	0.00021
3753228.19	0.00015	0.00016	0.00017	0.00019	0.00020	0.00021	0.00022	0.00023	0.00024
3753178.19	0.00017	0.00019	0.00020	0.00021	0.00023	0.00024	0.00026	0.00027	0.00029
3753128.19	0.00020	0.00022	0.00023	0.00025	0.00026	0.00028	0.00030	0.00032	0.00034
3753078.19	0.00025	0.00027	0.00029	0.00030	0.00033	0.00035	0.00038	0.00040	0.00043
3753028.19	0.00037	0.00039	0.00041	0.00043	0.00046	0.00049	0.00053	0.00057	0.00061
3752978.19	0.00074	0.00062	0.00080	0.00081	0.00083	0.00087	0.00093	0.00083	0.00105
3752928.19	0.00042	0.00044	0.00047	0.00049	0.00052	0.00056	0.00061	0.00068	0.00078
3752878.19	0.00030	0.00032	0.00035	0.00038	0.00042	0.00047	0.00054	0.00063	0.00077
3752828.19	0.00026	0.00028	0.00031	0.00034	0.00039	0.00045	0.00053	0.00065	0.00083
3752778.19	0.00023	0.00026	0.00029	0.00033	0.00038	0.00044	0.00053	0.00067	0.00089
3752728.19	0.00022	0.00024	0.00028	0.00032	0.00037	0.00044	0.00054	0.00070	0.00095
3752678.19	0.00021	0.00023	0.00027	0.00031	0.00036	0.00043	0.00054	0.00070	0.00096
3752628.19	0.00020	0.00022	0.00026	0.00030	0.00035	0.00042	0.00052	0.00067	0.00092
3752578.19	0.00019	0.00022	0.00025	0.00028	0.00033	0.00040	0.00049	0.00062	0.00083
3752528.19	0.00018	0.00021	0.00024	0.00027	0.00031	0.00037	0.00045	0.00056	0.00072
3752478.19	0.00018	0.00020	0.00022	0.00025	0.00029	0.00034	0.00041	0.00050	0.00061
3752428.19	0.00017	0.00019	0.00021	0.00024	0.00027	0.00031	0.00037	0.00043	0.00051
3752378.19	0.00016	0.00018	0.00020	0.00022	0.00025	0.00028	0.00032	0.00037	0.00043

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001045 , L0001046 , L0001047 , L0001048 , L0001049 ,
L0001050 , L0001051 , L0001052 , L0001053 , L0001054 , L0001055 , L0001056 , L0001057 ,
L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 , L0001065 ,
L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	474165.34	474215.34	474265.34	474315.34	474365.34	474415.34	474465.34	474515.34	474565.34
3753378.19	0.00017	0.00017	0.00017	0.00017	0.00017	0.00016	0.00016	0.00015	0.00014
3753328.19	0.00019	0.00019	0.00020	0.00019	0.00019	0.00019	0.00018	0.00017	0.00016
3753278.19	0.00022	0.00022	0.00022	0.00022	0.00022	0.00021	0.00020	0.00019	0.00018
3753228.19	0.00025	0.00026	0.00026	0.00026	0.00025	0.00025	0.00023	0.00022	0.00021
3753178.19	0.00030	0.00030	0.00031	0.00031	0.00030	0.00029	0.00027	0.00026	0.00024
3753128.19	0.00036	0.00037	0.00037	0.00037	0.00035	0.00034	0.00032	0.00030	0.00027
3753078.19	0.00046	0.00047	0.00047	0.00046	0.00043	0.00041	0.00038	0.00035	0.00032
3753028.19	0.00066	0.00067	0.00062	0.00058	0.00055	0.00051	0.00047	0.00042	0.00037
3752978.19	0.00112	0.00132	0.00088	0.00076	0.00071	0.00065	0.00058	0.00051	0.00044
3752928.19	0.00094	0.00162	0.00119	0.00102	0.00096	0.00087	0.00075	0.00063	0.00053
3752878.19	0.00100	0.00180	0.00155	0.00146	0.00141	0.00123	0.00100	0.00080	0.00063
3752828.19	0.00114	0.00212	0.00212	0.00236	0.00237	0.00191	0.00139	0.00101	0.00075
3752778.19	0.00130	0.00256	0.00346	0.00503	0.00570	0.00335	0.00195	0.00126	0.00087
3752728.19	0.00141	0.00263	0.00441	0.01107	0.02582	0.00580	0.00258	0.00148	0.00097
3752678.19	0.00144	0.00266	0.00462	0.01430	0.03940	0.00736	0.00292	0.00159	0.00102
3752628.19	0.00137	0.00254	0.00422	0.01068	0.02998	0.00647	0.00277	0.00155	0.00100
3752578.19	0.00119	0.00199	0.00356	0.00527	0.00669	0.00409	0.00226	0.00139	0.00093
3752528.19	0.00096	0.00133	0.00183	0.00234	0.00266	0.00233	0.00168	0.00117	0.00084
3752478.19	0.00076	0.00096	0.00118	0.00140	0.00152	0.00146	0.00123	0.00096	0.00073
3752428.19	0.00061	0.00072	0.00084	0.00094	0.00101	0.00100	0.00091	0.00077	0.00063
3752378.19	0.00049	0.00056	0.00063	0.00069	0.00073	0.00073	0.00070	0.00062	0.00054

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001045 , L0001046 , L0001047 , L0001048 , L0001049 ,
L0001050 , L0001051 , L0001052 , L0001053 , L0001054 , L0001055 , L0001056 , L0001057 ,
L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 , L0001065 ,
L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	474615.34	474665.34	474715.34	474765.34	474815.34	474865.34	474915.34	474965.34	475015.34
3753378.19	0.00014	0.00013	0.00012	0.00011	0.00011	0.00010	0.00009	0.00009	0.00008
3753328.19	0.00016	0.00014	0.00013	0.00013	0.00012	0.00011	0.00010	0.00009	0.00009
3753278.19	0.00017	0.00016	0.00015	0.00014	0.00013	0.00012	0.00011	0.00010	0.00009
3753228.19	0.00019	0.00018	0.00017	0.00016	0.00014	0.00012	0.00011	0.00011	0.00010
3753178.19	0.00022	0.00020	0.00019	0.00017	0.00015	0.00013	0.00012	0.00011	0.00010
3753128.19	0.00025	0.00023	0.00021	0.00019	0.00016	0.00014	0.00013	0.00012	0.00011
3753078.19	0.00029	0.00026	0.00023	0.00020	0.00017	0.00016	0.00014	0.00013	0.00012
3753028.19	0.00033	0.00029	0.00025	0.00021	0.00019	0.00017	0.00015	0.00014	0.00013
3752978.19	0.00038	0.00033	0.00028	0.00024	0.00021	0.00018	0.00016	0.00015	0.00013
3752928.19	0.00044	0.00037	0.00031	0.00026	0.00022	0.00020	0.00018	0.00016	0.00014
3752878.19	0.00051	0.00041	0.00034	0.00029	0.00024	0.00021	0.00018	0.00016	0.00014
3752828.19	0.00058	0.00046	0.00037	0.00031	0.00026	0.00022	0.00019	0.00017	0.00015
3752778.19	0.00064	0.00050	0.00039	0.00032	0.00027	0.00023	0.00020	0.00017	0.00015
3752728.19	0.00069	0.00052	0.00041	0.00033	0.00028	0.00023	0.00020	0.00018	0.00015
3752678.19	0.00072	0.00053	0.00042	0.00034	0.00028	0.00024	0.00020	0.00018	0.00016
3752628.19	0.00071	0.00053	0.00041	0.00034	0.00028	0.00024	0.00020	0.00018	0.00015
3752578.19	0.00067	0.00051	0.00040	0.00033	0.00027	0.00023	0.00020	0.00017	0.00015
3752528.19	0.00062	0.00048	0.00039	0.00032	0.00026	0.00023	0.00019	0.00017	0.00015
3752478.19	0.00057	0.00045	0.00036	0.00030	0.00025	0.00022	0.00019	0.00017	0.00015
3752428.19	0.00051	0.00041	0.00034	0.00029	0.00024	0.00021	0.00018	0.00016	0.00014
3752378.19	0.00045	0.00038	0.00032	0.00027	0.00023	0.00020	0.00018	0.00016	0.00014

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001045 , L0001046 , L0001047 , L0001048 , L0001049 ,
L0001050 , L0001051 , L0001052 , L0001053 , L0001054 , L0001055 , L0001056 , L0001057 ,
L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 , L0001065 ,
L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 475065.34
3753378.19	0.00008
3753328.19	0.00008
3753278.19	0.00009
3753228.19	0.00009
3753178.19	0.00010
3753128.19	0.00010
3753078.19	0.00011
3753028.19	0.00012
3752978.19	0.00012
3752928.19	0.00013
3752878.19	0.00013
3752828.19	0.00013
3752778.19	0.00014
3752728.19	0.00014
3752678.19	0.00014
3752628.19	0.00014
3752578.19	0.00014
3752528.19	0.00013
3752478.19	0.00013
3752428.19	0.00013
3752378.19	0.00012

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001045 , L0001046 , L0001047 , L0001048 , L0001049 ,
L0001050 , L0001051 , L0001052 , L0001053 , L0001054 , L0001055 , L0001056 , L0001057 ,
L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 , L0001065 ,
L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 , . . . ,

*** 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
474410.80	3753020.33	0.00053	474128.97	3753006.56	0.00082
474068.97	3752989.35	0.00117	474037.95	3752990.14	0.00111
474408.33	3752677.60	0.00878	474354.52	3752582.57	0.00761
474214.08	3752757.43	0.00258			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.03940 AT (474365.34, 3752678.19, 473.10, 473.10, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.02998 AT (474365.34, 3752628.19, 473.00, 473.00, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.02582 AT (474365.34, 3752728.19, 473.00, 473.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.01430 AT (474315.34, 3752678.19, 473.20, 473.20, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.01107 AT (474315.34, 3752728.19, 473.10, 473.10, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.01068 AT (474315.34, 3752628.19, 473.10, 473.10, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00878 AT (474408.33, 3752677.60, 472.65, 472.65, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00761 AT (474354.52, 3752582.57, 472.29, 472.29, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00736 AT (474415.34, 3752678.19, 472.70, 472.70, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00669 AT (474365.34, 3752578.19, 472.20, 472.20, 0.00)	GC	UCART1

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of   0 Fatal Error Message(s)
A Total of   4 Warning Message(s)
A Total of   2028 Informational Message(s)

A Total of   43824 Hours Were Processed

A Total of   978 Calm Hours Identified

A Total of   1050 Missing Hours Identified (2.40 Percent)

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

   ********   WARNING MESSAGES   ********
ME W186   569   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
ME W187   569   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W450   17521   CHKDAT: Record Out of Sequence in Meteorological File at: 14010101
MX W450   17521   CHKDAT: Record Out of Sequence in Meteorological File at: 2 year gap

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   *** AERMOD Finishes Successfully ***
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