



HEALTH RISK ASSESSMENT

Duke Warehouse at Patterson Avenue and Nance Street
(DPR No. 21-00005)

Prepared for:

Duke Realty Corporation

January 2022

**DIESEL PARTICULATE MATTER
HEALTH RISK ASSESSMENT**

**Duke Warehouse at Patterson Avenue and Nance Street Project
(DPR 21 00005)
City of Perris**

Prepared for:

Duke Realty Corporation

Prepared by:

Albert A. Webb Associates
3788 McCray Street
Riverside, CA 92506

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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.

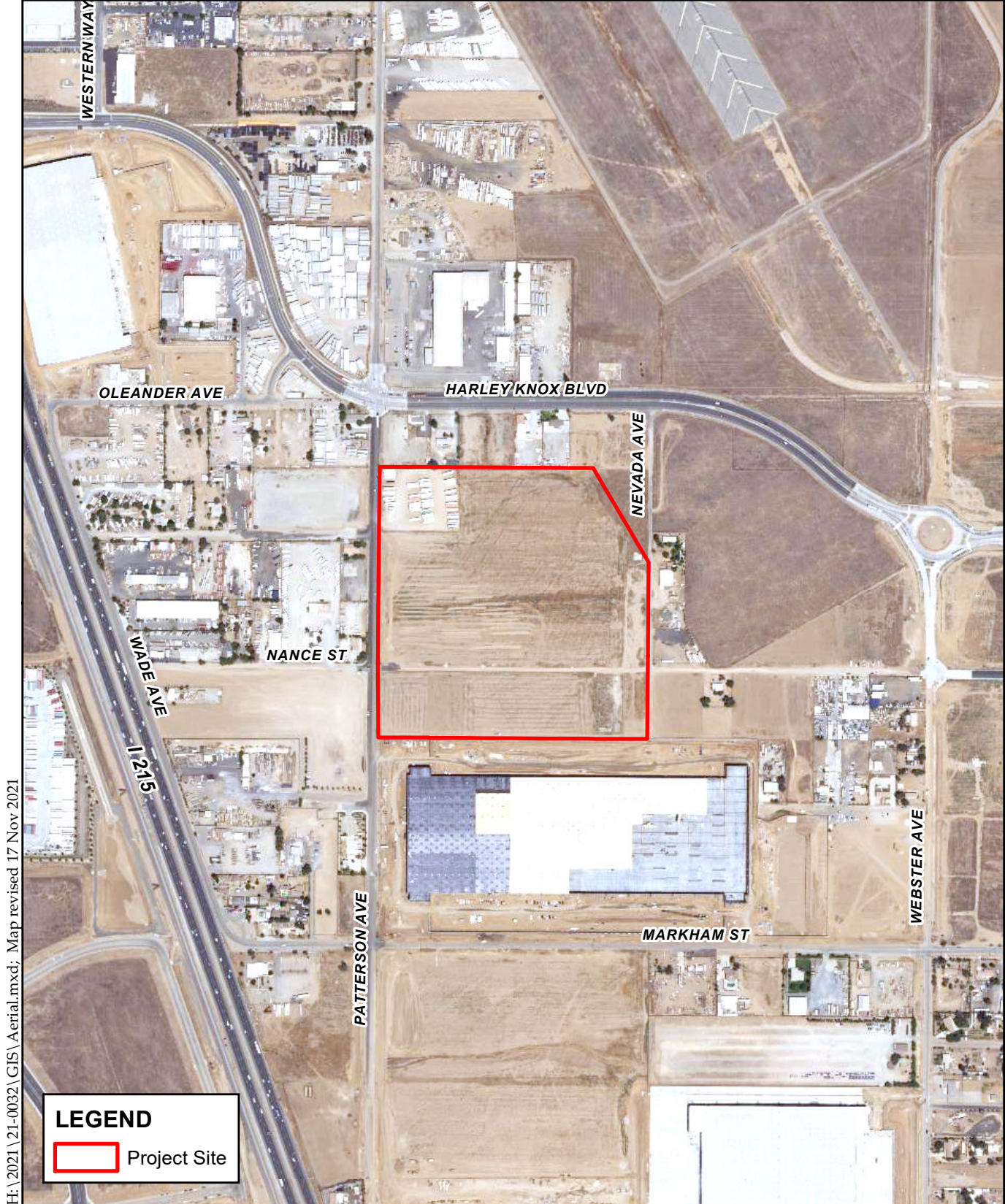
The intent of this report is to support the California Environmental Quality Act (CEQA) document being prepared by the City of Perris for the Project. The analysis examines the diesel exhaust emissions from Project-generated traffic in the Project vicinity from diesel trucks traveling along local roads.

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 35.7 net acres on the northeastern corner of Patterson Avenue and Nance Street in the City of Perris, California. **(Figure 1 – Project Location)** The Project applicant proposes development of a non-refrigerated warehouse building, approximately 769,668 square feet in size. The warehouse building will feature approximately 64 dock doors on the eastern side of the proposed building and 49 dock doors on the western 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.



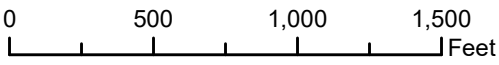
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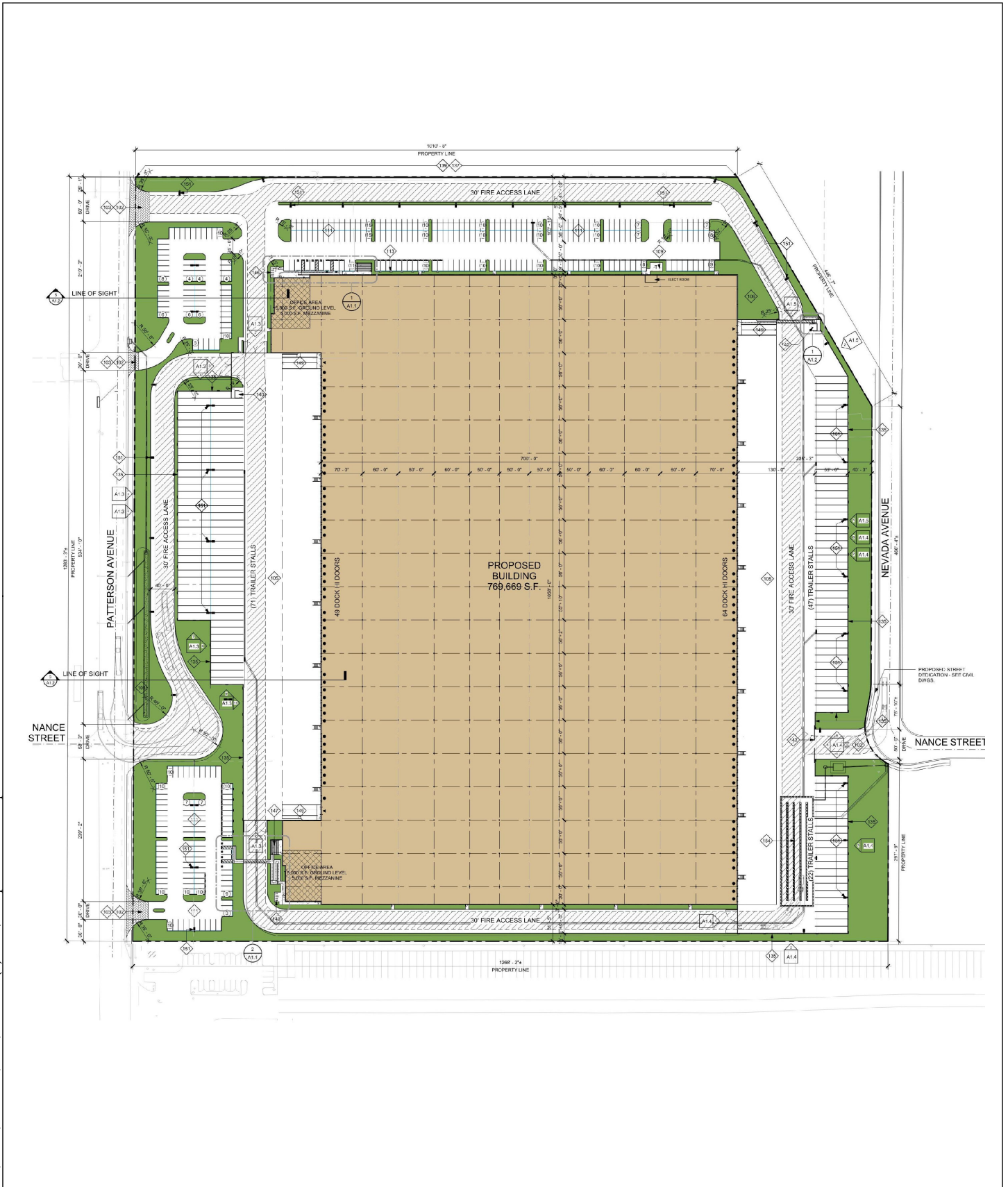
LEGEND

Project Site

Sources: Riverside Co. GIS, 2021;
USDA NAIP, 2019.

Figure 1 - Project Location





Sources: Herdman, 3-18-2022

Figure 2 - Site Plan

Duke Patterson-Nance



Not to Scale



Section 2 – Setting

Existing and Surrounding Land Uses

The proposed 35.7 net-acre Project site contains a 2.7-acre semi-truck storage trailer lot in the northwest corner and the remainder 33-acre site is unimproved vacant land. The surrounding area includes a mix of developed and undeveloped land. The area surrounding the Project site is currently redeveloping into light industrial uses with an industrial warehouse to the south, commercial businesses to the north and west, vacant land and legal, non-conforming single family residential property to the east, and commercial businesses and one legal, non-conforming residential property to the west. All the sensitive receptors analyzed herein are existing non-conforming residential uses that are designated for Light Industrial or General Industrial uses in the Perris Valley Commerce Center Specific Plan (PVCCSP)

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 has estimated that 130 to 2,400 excess cancer cases would be expected to occur in a population of one million people breathing in an average concentration of DPM of 1 µg/m³ over a 70-year lifetime. These excess cancer cases are beyond what would be expected to occur if there were no DPM in the air. The estimate of excess cancer cases is based upon analysis by OEHHA of more than 30 studies of workers exposed to diesel exhaust. An independent review by the CARB Scientific Review Panel derived a “best estimate” of the cancer unit risk factor of 300 excess cancer cases per million people breathing 1 µg/m³ of DPM over a lifetime.

The CARB estimates that the average Californian is exposed to (both indoors and outdoors) an average of 1.3 µg/m³ of DPM on a long-term basis. Using this exposure value and multiplying by the best estimate unit risk factor of 300 excess cancer cases per million population per µg/m³, the annual excess cancer risk in California from DPM is estimated to be 390 cases per million (OEHHA 2000).

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 µg/m³. Although this is higher than the average concentration of DPM in California’s air, people can be exposed to DPM concentrations greater than 5 µg/m³ 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 is the Carl Moyer Program still in effect. The Carl Moyer program is which is a clean engine incentive program that 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 December 2008, CARB approved the Statewide Truck and Bus Rule. The regulation applies to nearly all privately- and federally-owned diesel-fueled trucks and buses and to privately- and publicly-owned school 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 January 1, 2012 and replacement of older trucks starting January 1, 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 Harley Knox Avenue to the north, Interstate 215 (I-215) to the west, Markham Street to the south, and Webster Avenue the east. The local roadway segments modeled are listed in **Table 1**, below, and are based on the truck distribution patterns identified in the Traffic Impact Analysis (TIA) for the Project opening year (WEBB 2022).

Table 1 – Local Road Segments Modeled

Roadway	Link Segment Description	Average Vehicle Speed (mph)
Patterson Avenue	B/n South Driveway and North Driveway	15
Patterson Avenue	B/n North Driveway and Harley Knox Boulevard	15
Harley Knox Boulevard	B/n Patterson Avenue and I-215 Ramps	35

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 2023 (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 TIA 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 35 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 TIA (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	2023 Project Emission Factors (grams/mile)		
	LDT	MDT	HDT
0 mph (Idling)			
-0.25 to 0 years	0.786	0.044	0.013
0 to 2 years	0.786	0.041	0.012
2 to 16 years	0.787	0.020	0.011
16 to 30 years	0.787	0.020	0.011
5 mph			
-0.25 to 0 years	0.071	0.007	0.013
0 to 2 years	0.069	0.007	0.013
2 to 16 years	0.042	0.006	0.012
16 to 30 years	0.042	0.006	0.012
15 mph			
-0.25 to 0 years	0.040	0.004	0.009
0 to 2 years	0.039	0.004	0.009
2 to 16 years	0.026	0.004	0.008
16 to 30 years	0.026	0.004	0.008
35 mph			
-0.25 to 0 years	0.020	0.004	0.009
0 to 2 years	0.019	0.004	0.009
2 to 16 years	0.013	0.004	0.009
16 to 30 years	0.013	0.004	0.009

Truck Counts

The number of Project trucks using local roads in 2023 was estimated as part of the Project-specific TIA (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
Patterson Avenue	B/n South Driveway and North Driveway	67
Patterson Avenue	B/n North Driveway and Harley Knox Boulevard	169
Harley Knox Boulevard	B/n Patterson Avenue and I-215 Ramps	169

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 are two loading areas at the Project site, with approximately 64 dock doors on the eastern side of the proposed building and 49 dock doors on the western side of the proposed 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 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 50-meter intervals, extending in each direction of the Project boundary 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:

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

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-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-day)⁻¹
- DI_{DPM}²** Dose through inhalation (mg/kg-day)

- obtained by multiplying $C_{air} \times ASF \times ED \times FAH \times DBR \times (EF/70) \times 10^{-6}$

- o C_{air} is the Annual Average 24 hour per day concentration of DPM in air ($\mu\text{g}/\text{m}^3$) (calculated by AERMOD).
- o ASF is the age specific factor.
- o ED is the exposure duration in years.
- o FAH is the fraction of time at home.
- o 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)
- o 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 factors² 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

Eight (8) separate discrete receptors located at sensitive receptors (Receptor 1 – Receptor 3) and off-site worker receptors (Receptor 4 – Receptor 8) within the Project vicinity were modeled (**Figure 3**). All receptor locations were modeled at the nearest property boundary to provide a conservative analysis. All sensitive receptors, Receptor 1 – Receptor 3, are legal, non-conforming residential uses designated for Light Industrial or General Industrial uses in the PVCCSP. Receptor 1 is west of the Project site on the southwest corner of California Avenue and Patterson Avenue, Receptor 2 is east of the Project site, along Nevada Avenue near Nance Street, and Receptor 3, is southeast of the Project site, along Nance Street. All off-site worker receptors are commercial/industrial uses designated for Light Industrial or General Industrial uses in the PVCCSP, Receptor 4 and Receptor 8 are along Patterson Avenue, Receptor 5 and Receptor 6 are commercial/industrial uses adjacent to the Project sites’ northern boundary, and Receptor 7 is a warehouse building adjacent to the Project sites’ southern boundary.

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.

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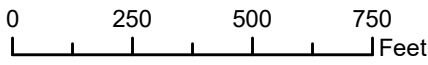


LEGEND

- Project Site
- Receptors
 - Sensitive
 - Off-Site Worker

Sources: Riverside Co. GIS, 2021; USDA NAIP, 2019.

Figure 3 - Discrete Sensitive Receptor Location
Duke Patterson-Nance



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

Table 4 – Project-Generated Cancer Risk (2023) at Discrete Receptors

Receptor	Cancer Risk (per million)
Sensitive Receptors	
1	2.4
2	3.2
3	2.0
Off-site Worker Receptors	
4	0.2
5	0.2
6	0.2
7	0.3
8	0.2

None of the modeled receptor locations are exposed to 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 3.2 per million, located at Receptor 2, the property boundary of a sensitive receptor. The highest cancer risk at modeled off-site worker receptors is 0.3 per million, located at Receptors 7.

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/m³.

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

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

where,

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

C_{DPM} Annual average DPM concentration in µg/m³.

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

The maximum DPM concentration is 0.01734 µg/m³ is reported for the first age bin and it occurs on site, near the western truck loading area. Using the equation above, the hazard index is 0.00347 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 sensitive 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 January 20, 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 January 18, 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 January 18, 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 January 27, 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 January 27, 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 January 28, 2022.)
- OEHHA 2000 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 January 19, 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/crn/notice-adoption-air-toxics-hot-spots-program-guidance-manual-preparation-health-riskf>, accessed January 25, 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/crn/notice-adoption-air-toxics-hot-spots-program-guidance-manual-preparation-health-risk-0>, accessed January 21, 2022.)
- SCAQMD 1993 South Coast Air Quality Management District, *CEQA Air Quality Handbook*, 1993. (Available at <http://www.aqmd.gov/ceqa/hdbk.html>, accessed January 20, 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 January 21, 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 January 25, 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 January 25, 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 January 28, 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 January 25, 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 January 25, 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 January 20, 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 January 20, 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 January 25, 2022.)
- WEBB 2022 Albert A. Webb Associates, *Patterson -Nance Warehouse Project Traffic Impact Analysis (TIA) DPR 21-00005*, January 2022. (Available at the City of Perris.)

Location

Address

City of Perris

City of Perris, Planning Division
101N. D Street
Perris, CA 92570

SCAQMD

South Coast Air Quality Management District
21865 East Copley Drive
Diamond Bar, CA 91765-4182

Document Preparation Staff

ALBERT A. WEBB ASSOCIATES

Eliza Laws, Senior Environmental Analyst
Monica Tobias, Associate Environmental Analyst

APPENDIX A

Dispersion Modeling Parameters and Output

2023 Average Truck Emission Rates (grams/mile; grams/idle-hour)

	0 mph			5 mph			15 mph			35 mph		
	LHDT	MHDT	HHDT	LHDT	MHDT	HHDT	LHDT	MHDT	HHDT	LHDT	MHDT	HHDT
2023	0.786	0.044	0.013	0.071	0.007	0.013	0.040	0.004	0.009	0.020	0.004	0.009
2024	0.785	0.038	0.012	0.066	0.007	0.013	0.038	0.004	0.009	0.018	0.004	0.009
2025	0.785	0.033	0.012	0.061	0.006	0.013	0.036	0.004	0.009	0.017	0.004	0.009
2026	0.785	0.028	0.012	0.056	0.006	0.013	0.033	0.004	0.009	0.016	0.004	0.009
2027	0.785	0.024	0.012	0.052	0.006	0.013	0.031	0.004	0.009	0.015	0.004	0.009
2028	0.785	0.021	0.011	0.047	0.006	0.012	0.029	0.004	0.009	0.014	0.004	0.009
2029	0.785	0.019	0.011	0.043	0.006	0.012	0.027	0.004	0.008	0.014	0.004	0.009
2030	0.785	0.017	0.011	0.040	0.006	0.012	0.025	0.004	0.008	0.013	0.004	0.009
2031	0.785	0.015	0.011	0.036	0.006	0.012	0.023	0.004	0.008	0.012	0.004	0.008
2032	0.786	0.014	0.011	0.033	0.006	0.012	0.021	0.004	0.008	0.011	0.004	0.008
2033	0.787	0.012	0.011	0.030	0.005	0.012	0.020	0.004	0.008	0.011	0.004	0.008
2034	0.788	0.011	0.011	0.028	0.005	0.011	0.019	0.004	0.008	0.010	0.004	0.008
2035	0.789	0.011	0.010	0.026	0.005	0.011	0.018	0.004	0.008	0.009	0.004	0.008
2036	0.790	0.010	0.010	0.024	0.005	0.011	0.017	0.004	0.008	0.009	0.004	0.008
2037	0.791	0.009	0.010	0.022	0.005	0.011	0.016	0.004	0.008	0.009	0.004	0.008
2038	0.792	0.009	0.010	0.021	0.005	0.011	0.015	0.004	0.008	0.008	0.004	0.008
2039	0.793	0.009	0.010	0.019	0.005	0.011	0.014	0.004	0.008	0.008	0.004	0.008
2040	0.794	0.008	0.010	0.018	0.005	0.011	0.013	0.004	0.008	0.007	0.004	0.008
2041	0.794	0.008	0.010	0.017	0.005	0.011	0.013	0.003	0.008	0.007	0.004	0.008
2042	0.795	0.008	0.010	0.016	0.005	0.011	0.012	0.003	0.008	0.007	0.004	0.008
2043	0.796	0.008	0.010	0.015	0.005	0.011	0.012	0.003	0.008	0.007	0.004	0.008
2044	0.796	0.008	0.010	0.015	0.005	0.011	0.011	0.003	0.008	0.006	0.004	0.008
2045	0.797	0.008	0.010	0.014	0.005	0.011	0.011	0.003	0.008	0.006	0.004	0.008
2046	0.797	0.008	0.010	0.013	0.005	0.011	0.011	0.003	0.008	0.006	0.004	0.008
2047	0.797	0.007	0.010	0.013	0.005	0.011	0.010	0.003	0.008	0.006	0.004	0.008
2048	0.798	0.007	0.010	0.013	0.005	0.011	0.010	0.003	0.008	0.006	0.004	0.008
2049	0.798	0.007	0.010	0.012	0.005	0.011	0.010	0.003	0.008	0.006	0.004	0.008
2050	0.798	0.007	0.010	0.012	0.005	0.011	0.010	0.003	0.008	0.006	0.004	0.008
2051	0.798	0.007	0.010	0.012	0.005	0.011	0.010	0.003	0.008	0.006	0.004	0.008
2052	0.798	0.007	0.010	0.012	0.005	0.011	0.010	0.003	0.008	0.006	0.004	0.008
-25 to 0	0.786	0.044	0.013	0.071	0.007	0.013	0.040	0.004	0.009	0.020	0.004	0.009
0 to 2	0.786	0.041	0.012	0.069	0.007	0.013	0.039	0.004	0.009	0.019	0.004	0.009
2 to 16	0.787	0.020	0.011	0.042	0.006	0.012	0.026	0.004	0.008	0.013	0.004	0.009
16 to 30	0.787	0.020	0.011	0.042	0.006	0.012	0.026	0.004	0.008	0.013	0.004	0.009

Project Road Segment Emission Rates Truck Mix ¹												
Speed ▶	0 mph			5 mph			15 mph			35 mph		
Road # ▼												
1)												
-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				
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										0.010	grams/mile	
0 to 2										0.010	grams/mile	
2 to 16										0.008	grams/mile	
16 to 30										0.008	grams/mile	
4-7) - On-site Travel												
-25 to 0				0.021	grams/mile							
0 to 2				0.021	grams/mile							
2 to 16				0.016	grams/mile							
16 to 30				0.016	grams/mile							
8-9) Idling												
-25 to 0	0.148	grams/mile										
0 to 2	0.148	grams/mile										
2 to 16	0.143	grams/mile										
16 to 30	0.143	grams/mile										

Note: ¹ Project truck mix based on Traffic Study, 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
Patterson Avenue	B/n South Driveway and North Driveway	11	16.4	14	20.9	42	62.7	67
Patterson Avenue	B/n North Driveway and Harley Knox Boulevard	28	16.6	35	20.7	106	62.7	169
Harley Knox Boulevard	B/n Patterson Avenue and I-215 Ramps	28	16.6	35	20.7	106	62.7	169

Roadway Links Modeled (2023) - 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 #
Patterson Avenue	B/n South Driveway and North Driveway	28.18	8.59	15	-.25 to 0	0.013	67	276.50	1.751E-06	1
					0 to 2	0.013			1.723E-06	
					2 to 16	0.010			1.373E-06	
					16 to 30	0.010			1.373E-06	
Patterson Avenue	B/n North Driveway and Harley Knox Boulevard	28.18	8.59	15	-.25 to 0	0.013	169	112.20	1.800E-06	2
					0 to 2	0.013			1.771E-06	
					2 to 16	0.010			1.410E-06	
					16 to 30	0.010			1.410E-06	
Harley Knox Boulevard	B/n Patterson Avenue and I-215 Ramps	28.18	8.59	35	-.25 to 0	0.010	169	834.90	9.706E-06	3
					0 to 2	0.010			9.651E-06	
					2 to 16	0.008			8.486E-06	
					16 to 30	0.008			8.486E-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 #
South Driveway	28.18	8.59	5	-.25 to 0	0.021	67	274	2.827E-06	4
				0 to 2	0.021			2.767E-06	
				2 to 16	0.016			2.083E-06	
				16 to 30	0.016			2.083E-06	
North Driveway	28.18	8.59	5	-.25 to 0	0.021	102	59	9.265E-07	5
				0 to 2	0.021			9.069E-07	
				2 to 16	0.016			6.828E-07	
				16 to 30	0.016			6.828E-07	
Western Drive Aisle	28.18	8.59	5	-.25 to 0	0.021	64	657	6.481E-06	6
				0 to 2	0.021			6.344E-06	
				2 to 16	0.016			4.777E-06	
				16 to 30	0.016			4.777E-06	
Eastern Drive Aisle	28.18	8.59	5	-.25 to 0	0.021	105	640	1.036E-05	7
				0 to 2	0.021			1.014E-05	
				2 to 16	0.016			7.637E-06	
				16 to 30	0.016			7.637E-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 #
West Loading Area	28.18	8.59	64	-.25 to 0	15	0.148	1	2.745E-05	8
				0 to 2		0.148		2.732E-05	
				2 to 16		0.143		2.641E-05	
				16 to 30		0.143		2.641E-05	
East Loading Area	28.18	8.59	105	-.25 to 0	15	0.148	1	4.503E-05	9
				0 to 2		0.148		4.481E-05	
				2 to 16		0.143		4.333E-05	
				16 to 30		0.143		4.333E-05	

Project Only trucks are estimated percentages of the total truck trips generated in the Traffic Study.

MICR Calculations

Data for Table 4, 2023 Project Cancer Risk at Sensitive Receptors

Receptor	Age Bin	DPM* Conc (µg/m3)	DBR** (Daily Breathing rate (L/kg body weight-day))	Age Specific Factor**	Exposure Duration**	Fraction of Time at Home**	EF** (Exposure Frequency)	Unit Conversion Factor	CP*** (Cancer Potency Factor (mg/kg-day))	MICR (Maximum Individual Cancer Risk)	Cancer risk per million
1	-0.25 to 0	0.00354	361	10	0.25	1	0.96	1.00E-06	1.1	4.82E-08	0.0
	0 to 2	0.00349	1090	10	2	1	0.96	1.00E-06	1.1	1.15E-06	1.1
	2 to 16	0.00300	572	3	14	1	0.96	1.00E-06	1.1	1.09E-06	1.1
	16 to 30	0.00300	261	1	14	0.73	0.96	1.00E-06	1.1	1.21E-07	0.1
Total										2.40E-06	2.4
2	-0.25 to 0	0.00455	361	10	0.25	1	0.96	1.00E-06	1.1	6.19E-08	0.1
	0 to 2	0.00451	1090	10	2	1	0.96	1.00E-06	1.1	1.48E-06	1.5
	2 to 16	0.00418	572	3	14	1	0.96	1.00E-06	1.1	1.51E-06	1.5
	16 to 30	0.00418	261	1	14	0.73	0.96	1.00E-06	1.1	1.68E-07	0.2
Total										3.23E-06	3.2
3	-0.25 to 0	0.00283	361	10	0.25	1	0.96	1.00E-06	1.1	3.85E-08	0.0
	0 to 2	0.00281	1090	10	2	1	0.96	1.00E-06	1.1	9.24E-07	0.9
	2 to 16	0.00260	572	3	14	1	0.96	1.00E-06	1.1	9.42E-07	0.9
	16 to 30	0.00260	261	1	14	0.73	0.96	1.00E-06	1.1	1.05E-07	0.1
Total										2.01E-06	2.0

Data for Table 4, 2023 Project Cancer Risk at Off-Site Workers in Project Vicinity

Receptor	DPM* Conc (µg/m3)	DBR** (Daily Breathing rate (L/kg body weight-day))	Exposure Duration**	EF** (Exposure Frequency)	Unit Conversion Factor	CP*** (Cancer Potency Factor (mg/kg-day))	MICR (Maximum Individual Cancer Risk)	Cancer risk per million
4	0.00324	230	25	0.68	1.00E-06	1.1	1.99E-07	0.2
5	0.00317	230	25	0.68	1.00E-06	1.1	1.95E-07	0.2
6	0.00345	230	25	0.68	1.00E-06	1.1	2.12E-07	0.2
7	0.00563	230	25	0.68	1.00E-06	1.1	3.46E-07	0.3
8	0.00256	230	25	0.68	1.00E-06	1.1	1.57E-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: 1/26/2022
** File: C:\Users\eliza\OneDrive - Albert A. Webb Associates\Desktop\Duke Patterson-Nance\ProjAB1\ProjAB1.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE Duke Warehouse at Patterson and Nance
  TITLETWO Project Only DPM Concentration (2023) - AB1
  MODELOPT DFAULT CONC
  AVERTIME PERIOD
  URBANOPT 2189641 Riverside_County
  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 Patterson Avenue B/n South Driveway and North Driveway
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.751E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 476636.197, 3746161.919, 457.18, 3.49, 4.00
** 476637.971, 3746438.456, 456.40, 3.49, 4.00
** -----
  LOCATION L0001531      VOLUME 476636.224 3746166.214 457.11

```


LOCATION	L0001532	VOLUME	476636.279	3746174.804	457.08
LOCATION	L0001533	VOLUME	476636.334	3746183.393	457.04
LOCATION	L0001534	VOLUME	476636.390	3746191.983	457.02
LOCATION	L0001535	VOLUME	476636.445	3746200.573	456.99
LOCATION	L0001536	VOLUME	476636.500	3746209.163	456.97
LOCATION	L0001537	VOLUME	476636.555	3746217.753	456.95
LOCATION	L0001538	VOLUME	476636.610	3746226.343	456.93
LOCATION	L0001539	VOLUME	476636.665	3746234.932	456.92
LOCATION	L0001540	VOLUME	476636.720	3746243.522	456.91
LOCATION	L0001541	VOLUME	476636.775	3746252.112	456.90
LOCATION	L0001542	VOLUME	476636.831	3746260.702	456.90
LOCATION	L0001543	VOLUME	476636.886	3746269.292	456.89
LOCATION	L0001544	VOLUME	476636.941	3746277.881	456.88
LOCATION	L0001545	VOLUME	476636.996	3746286.471	456.86
LOCATION	L0001546	VOLUME	476637.051	3746295.061	456.83
LOCATION	L0001547	VOLUME	476637.106	3746303.651	456.80
LOCATION	L0001548	VOLUME	476637.161	3746312.241	456.76
LOCATION	L0001549	VOLUME	476637.216	3746320.831	456.73
LOCATION	L0001550	VOLUME	476637.272	3746329.420	456.70
LOCATION	L0001551	VOLUME	476637.327	3746338.010	456.67
LOCATION	L0001552	VOLUME	476637.382	3746346.600	456.63
LOCATION	L0001553	VOLUME	476637.437	3746355.190	456.60
LOCATION	L0001554	VOLUME	476637.492	3746363.780	456.57
LOCATION	L0001555	VOLUME	476637.547	3746372.370	456.55
LOCATION	L0001556	VOLUME	476637.602	3746380.959	456.52
LOCATION	L0001557	VOLUME	476637.657	3746389.549	456.49
LOCATION	L0001558	VOLUME	476637.713	3746398.139	456.46
LOCATION	L0001559	VOLUME	476637.768	3746406.729	456.43
LOCATION	L0001560	VOLUME	476637.823	3746415.319	456.41
LOCATION	L0001561	VOLUME	476637.878	3746423.908	456.38
LOCATION	L0001562	VOLUME	476637.933	3746432.498	456.35

** End of LINE VOLUME Source ID = SLINE1

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC Patterson Avenue B/n North Driveway and Harley Knox Boulevard

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.8E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 476636.551, 3746440.586, 456.41, 3.49, 4.00

** 476636.906, 3746552.772, 455.91, 3.49, 4.00

** -----

LOCATION	L0001563	VOLUME	476636.565	3746444.881	456.33
LOCATION	L0001564	VOLUME	476636.592	3746453.471	456.31
LOCATION	L0001565	VOLUME	476636.619	3746462.061	456.28
LOCATION	L0001566	VOLUME	476636.646	3746470.651	456.26
LOCATION	L0001567	VOLUME	476636.674	3746479.240	456.25

LOCATION	L0001568	VOLUME	476636.701	3746487.830	456.23
LOCATION	L0001569	VOLUME	476636.728	3746496.420	456.21
LOCATION	L0001570	VOLUME	476636.755	3746505.010	456.19
LOCATION	L0001571	VOLUME	476636.782	3746513.600	456.17
LOCATION	L0001572	VOLUME	476636.809	3746522.190	456.15
LOCATION	L0001573	VOLUME	476636.837	3746530.780	456.08
LOCATION	L0001574	VOLUME	476636.864	3746539.370	456.01
LOCATION	L0001575	VOLUME	476636.891	3746547.960	455.93

** End of LINE VOLUME Source ID = SLINE2

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC Harley Knox Boulevard B/n Patterson Avenue and I-215 Ramps

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 9.706E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 13

** 476636.551, 3746555.257, 455.91, 3.49, 4.00

** 476603.889, 3746564.133, 456.23, 3.49, 4.00

** 476569.452, 3746582.239, 456.51, 3.49, 4.00

** 476535.015, 3746609.931, 456.83, 3.49, 4.00

** 476521.524, 3746633.007, 457.09, 3.49, 4.00

** 476518.684, 3746650.048, 457.14, 3.49, 4.00

** 476495.253, 3746695.491, 457.42, 3.49, 4.00

** 476455.846, 3746832.174, 457.99, 3.49, 4.00

** 476410.758, 3746903.178, 457.92, 3.49, 4.00

** 476326.263, 3746948.976, 458.13, 3.49, 4.00

** 476270.525, 3746959.626, 458.77, 3.49, 4.00

** 476232.182, 3746952.171, 459.54, 3.49, 4.00

** 476027.690, 3746949.331, 467.50, 3.49, 4.00

** -----

LOCATION	L0001576	VOLUME	476632.407	3746556.384	455.91
LOCATION	L0001577	VOLUME	476624.117	3746558.636	456.02
LOCATION	L0001578	VOLUME	476615.828	3746560.889	456.12
LOCATION	L0001579	VOLUME	476607.538	3746563.141	456.21
LOCATION	L0001580	VOLUME	476599.633	3746566.371	456.30
LOCATION	L0001581	VOLUME	476592.030	3746570.368	456.37
LOCATION	L0001582	VOLUME	476584.427	3746574.366	456.42
LOCATION	L0001583	VOLUME	476576.824	3746578.363	456.45
LOCATION	L0001584	VOLUME	476569.248	3746582.403	456.49
LOCATION	L0001585	VOLUME	476562.554	3746587.786	456.54
LOCATION	L0001586	VOLUME	476555.860	3746593.169	456.61
LOCATION	L0001587	VOLUME	476549.166	3746598.552	456.70
LOCATION	L0001588	VOLUME	476542.472	3746603.935	456.77
LOCATION	L0001589	VOLUME	476535.777	3746609.318	456.80
LOCATION	L0001590	VOLUME	476531.173	3746616.502	456.78
LOCATION	L0001591	VOLUME	476526.838	3746623.918	456.85
LOCATION	L0001592	VOLUME	476522.503	3746631.334	456.95

LOCATION	L0001593	VOLUME	476520.431	3746639.568	456.99
LOCATION	L0001594	VOLUME	476519.019	3746648.041	457.01
LOCATION	L0001595	VOLUME	476515.680	3746655.875	457.06
LOCATION	L0001596	VOLUME	476511.743	3746663.509	457.10
LOCATION	L0001597	VOLUME	476507.807	3746671.144	457.14
LOCATION	L0001598	VOLUME	476503.870	3746678.779	457.19
LOCATION	L0001599	VOLUME	476499.933	3746686.414	457.25
LOCATION	L0001600	VOLUME	476495.996	3746694.049	457.31
LOCATION	L0001601	VOLUME	476493.323	3746702.186	457.37
LOCATION	L0001602	VOLUME	476490.943	3746710.439	457.42
LOCATION	L0001603	VOLUME	476488.563	3746718.693	457.46
LOCATION	L0001604	VOLUME	476486.184	3746726.947	457.52
LOCATION	L0001605	VOLUME	476483.804	3746735.201	457.59
LOCATION	L0001606	VOLUME	476481.424	3746743.455	457.64
LOCATION	L0001607	VOLUME	476479.045	3746751.708	457.68
LOCATION	L0001608	VOLUME	476476.665	3746759.962	457.71
LOCATION	L0001609	VOLUME	476474.285	3746768.216	457.72
LOCATION	L0001610	VOLUME	476471.906	3746776.470	457.68
LOCATION	L0001611	VOLUME	476469.526	3746784.724	457.65
LOCATION	L0001612	VOLUME	476467.146	3746792.977	457.65
LOCATION	L0001613	VOLUME	476464.767	3746801.231	457.69
LOCATION	L0001614	VOLUME	476462.387	3746809.485	457.69
LOCATION	L0001615	VOLUME	476460.007	3746817.739	457.73
LOCATION	L0001616	VOLUME	476457.628	3746825.993	457.78
LOCATION	L0001617	VOLUME	476454.689	3746833.995	457.84
LOCATION	L0001618	VOLUME	476450.085	3746841.246	457.81
LOCATION	L0001619	VOLUME	476445.480	3746848.498	457.74
LOCATION	L0001620	VOLUME	476440.875	3746855.749	457.77
LOCATION	L0001621	VOLUME	476436.270	3746863.001	457.88
LOCATION	L0001622	VOLUME	476431.666	3746870.252	457.89
LOCATION	L0001623	VOLUME	476427.061	3746877.504	457.86
LOCATION	L0001624	VOLUME	476422.456	3746884.755	457.77
LOCATION	L0001625	VOLUME	476417.851	3746892.007	457.78
LOCATION	L0001626	VOLUME	476413.247	3746899.259	457.81
LOCATION	L0001627	VOLUME	476407.288	3746905.059	457.87
LOCATION	L0001628	VOLUME	476399.736	3746909.152	457.97
LOCATION	L0001629	VOLUME	476392.184	3746913.246	457.98
LOCATION	L0001630	VOLUME	476384.632	3746917.339	458.07
LOCATION	L0001631	VOLUME	476377.080	3746921.432	458.24
LOCATION	L0001632	VOLUME	476369.528	3746925.525	458.36
LOCATION	L0001633	VOLUME	476361.976	3746929.619	458.39
LOCATION	L0001634	VOLUME	476354.424	3746933.712	458.41
LOCATION	L0001635	VOLUME	476346.872	3746937.805	458.40
LOCATION	L0001636	VOLUME	476339.320	3746941.899	458.37
LOCATION	L0001637	VOLUME	476331.768	3746945.992	458.37
LOCATION	L0001638	VOLUME	476323.976	3746949.413	458.41
LOCATION	L0001639	VOLUME	476315.538	3746951.025	458.45
LOCATION	L0001640	VOLUME	476307.101	3746952.637	458.50
LOCATION	L0001641	VOLUME	476298.664	3746954.250	458.56
LOCATION	L0001642	VOLUME	476290.226	3746955.862	458.62
LOCATION	L0001643	VOLUME	476281.789	3746957.474	458.66

LOCATION	VOLUME				
LOCATION L0001644	VOLUME	476273.352	3746959.086	458.69	
LOCATION L0001645	VOLUME	476264.918	3746958.536	458.86	
LOCATION L0001646	VOLUME	476256.486	3746956.897	459.07	
LOCATION L0001647	VOLUME	476248.054	3746955.257	459.28	
LOCATION L0001648	VOLUME	476239.622	3746953.618	459.46	
LOCATION L0001649	VOLUME	476231.171	3746952.157	459.63	
LOCATION L0001650	VOLUME	476222.582	3746952.038	459.80	
LOCATION L0001651	VOLUME	476213.993	3746951.918	459.94	
LOCATION L0001652	VOLUME	476205.403	3746951.799	460.08	
LOCATION L0001653	VOLUME	476196.814	3746951.680	460.22	
LOCATION L0001654	VOLUME	476188.225	3746951.560	460.49	
LOCATION L0001655	VOLUME	476179.636	3746951.441	460.79	
LOCATION L0001656	VOLUME	476171.047	3746951.322	461.09	
LOCATION L0001657	VOLUME	476162.458	3746951.203	461.44	
LOCATION L0001658	VOLUME	476153.868	3746951.083	461.79	
LOCATION L0001659	VOLUME	476145.279	3746950.964	462.15	
LOCATION L0001660	VOLUME	476136.690	3746950.845	462.54	
LOCATION L0001661	VOLUME	476128.101	3746950.725	462.94	
LOCATION L0001662	VOLUME	476119.512	3746950.606	463.34	
LOCATION L0001663	VOLUME	476110.923	3746950.487	463.75	
LOCATION L0001664	VOLUME	476102.333	3746950.368	464.17	
LOCATION L0001665	VOLUME	476093.744	3746950.248	464.59	
LOCATION L0001666	VOLUME	476085.155	3746950.129	465.01	
LOCATION L0001667	VOLUME	476076.566	3746950.010	465.42	
LOCATION L0001668	VOLUME	476067.977	3746949.890	465.84	
LOCATION L0001669	VOLUME	476059.388	3746949.771	466.44	
LOCATION L0001670	VOLUME	476050.798	3746949.652	467.08	
LOCATION L0001671	VOLUME	476042.209	3746949.532	467.72	
LOCATION L0001672	VOLUME	476033.620	3746949.413	467.79	

** End of LINE VOLUME Source ID = SLINE3

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC South Driveway

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 2.827E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 9

** 476639.331, 3746159.511, 457.15, 3.49, 4.00

** 476669.892, 3746159.511, 456.63, 3.49, 4.00

** 476673.047, 3746172.216, 456.68, 3.49, 4.00

** 476661.141, 3746192.630, 456.72, 3.49, 4.00

** 476653.947, 3746226.215, 456.63, 3.49, 4.00

** 476654.213, 3746354.838, 456.34, 3.49, 4.00

** 476656.339, 3746356.433, 456.32, 3.49, 4.00

** 476673.347, 3746356.167, 456.20, 3.49, 4.00

** 476696.999, 3746356.167, 456.01, 3.49, 4.00

** -----

LOCATION	L0001673	VOLUME	476643.626	3746159.511	457.02
LOCATION	L0001674	VOLUME	476652.216	3746159.511	456.88
LOCATION	L0001675	VOLUME	476660.806	3746159.511	456.74
LOCATION	L0001676	VOLUME	476669.396	3746159.511	456.60
LOCATION	L0001677	VOLUME	476671.843	3746167.366	456.55
LOCATION	L0001678	VOLUME	476671.236	3746175.320	456.54
LOCATION	L0001679	VOLUME	476666.909	3746182.740	456.59
LOCATION	L0001680	VOLUME	476662.581	3746190.160	456.63
LOCATION	L0001681	VOLUME	476659.940	3746198.234	456.64
LOCATION	L0001682	VOLUME	476658.141	3746206.633	456.64
LOCATION	L0001683	VOLUME	476656.342	3746215.033	456.64
LOCATION	L0001684	VOLUME	476654.543	3746223.432	456.65
LOCATION	L0001685	VOLUME	476653.959	3746231.959	456.64
LOCATION	L0001686	VOLUME	476653.977	3746240.549	456.62
LOCATION	L0001687	VOLUME	476653.995	3746249.139	456.60
LOCATION	L0001688	VOLUME	476654.012	3746257.729	456.59
LOCATION	L0001689	VOLUME	476654.030	3746266.319	456.58
LOCATION	L0001690	VOLUME	476654.048	3746274.909	456.57
LOCATION	L0001691	VOLUME	476654.066	3746283.499	456.55
LOCATION	L0001692	VOLUME	476654.083	3746292.089	456.53
LOCATION	L0001693	VOLUME	476654.101	3746300.679	456.51
LOCATION	L0001694	VOLUME	476654.119	3746309.269	456.48
LOCATION	L0001695	VOLUME	476654.137	3746317.859	456.47
LOCATION	L0001696	VOLUME	476654.154	3746326.449	456.45
LOCATION	L0001697	VOLUME	476654.172	3746335.039	456.43
LOCATION	L0001698	VOLUME	476654.190	3746343.629	456.40
LOCATION	L0001699	VOLUME	476654.208	3746352.219	456.37
LOCATION	L0001700	VOLUME	476659.652	3746356.381	456.29
LOCATION	L0001701	VOLUME	476668.241	3746356.247	456.19
LOCATION	L0001702	VOLUME	476676.830	3746356.167	456.10
LOCATION	L0001703	VOLUME	476685.420	3746356.167	456.02
LOCATION	L0001704	VOLUME	476694.010	3746356.167	455.96

** End of LINE VOLUME Source ID = SLINE4

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE5

** DESCRSRC North Driveway

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 9.265E-07

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 3

** 476639.140, 3746440.166, 456.39, 3.49, 4.00

** 476688.049, 3746440.518, 455.90, 3.49, 4.00

** 476698.033, 3746440.590, 455.82, 3.49, 4.00

** -----

LOCATION	L0002076	VOLUME	476643.435	3746440.197	456.28
LOCATION	L0002077	VOLUME	476652.025	3746440.259	456.19
LOCATION	L0002078	VOLUME	476660.614	3746440.320	456.11

LOCATION	L0002079	VOLUME	476669.204	3746440.382	456.03
LOCATION	L0002080	VOLUME	476677.794	3746440.444	455.95
LOCATION	L0002081	VOLUME	476686.384	3746440.506	455.88
LOCATION	L0002082	VOLUME	476694.974	3746440.568	455.81

** End of LINE VOLUME Source ID = SLINE5

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE6

** DESCRSRC Western Drive Aisle

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 6.481E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 3

** 476699.079, 3746441.387, 455.82, 3.49, 4.00

** 476698.794, 3746070.330, 456.56, 3.49, 4.00

** 476984.386, 3746071.802, 453.89, 3.49, 4.00

** -----

LOCATION	L0002083	VOLUME	476699.075	3746437.092	455.78
LOCATION	L0002084	VOLUME	476699.069	3746428.502	455.80
LOCATION	L0002085	VOLUME	476699.062	3746419.912	455.85
LOCATION	L0002086	VOLUME	476699.056	3746411.322	455.91
LOCATION	L0002087	VOLUME	476699.049	3746402.732	455.96
LOCATION	L0002088	VOLUME	476699.043	3746394.142	455.97
LOCATION	L0002089	VOLUME	476699.036	3746385.552	455.97
LOCATION	L0002090	VOLUME	476699.029	3746376.962	455.97
LOCATION	L0002091	VOLUME	476699.023	3746368.372	455.96
LOCATION	L0002092	VOLUME	476699.016	3746359.782	455.94
LOCATION	L0002093	VOLUME	476699.010	3746351.192	455.92
LOCATION	L0002094	VOLUME	476699.003	3746342.602	455.90
LOCATION	L0002095	VOLUME	476698.996	3746334.012	455.90
LOCATION	L0002096	VOLUME	476698.990	3746325.422	455.91
LOCATION	L0002097	VOLUME	476698.983	3746316.832	455.93
LOCATION	L0002098	VOLUME	476698.977	3746308.242	455.95
LOCATION	L0002099	VOLUME	476698.970	3746299.652	455.96
LOCATION	L0002100	VOLUME	476698.963	3746291.062	455.98
LOCATION	L0002101	VOLUME	476698.957	3746282.472	456.00
LOCATION	L0002102	VOLUME	476698.950	3746273.882	456.02
LOCATION	L0002103	VOLUME	476698.944	3746265.292	456.03
LOCATION	L0002104	VOLUME	476698.937	3746256.702	456.05
LOCATION	L0002105	VOLUME	476698.931	3746248.112	456.06
LOCATION	L0002106	VOLUME	476698.924	3746239.522	456.09
LOCATION	L0002107	VOLUME	476698.917	3746230.932	456.11
LOCATION	L0002108	VOLUME	476698.911	3746222.342	456.14
LOCATION	L0002109	VOLUME	476698.904	3746213.752	456.16
LOCATION	L0002110	VOLUME	476698.898	3746205.162	456.18
LOCATION	L0002111	VOLUME	476698.891	3746196.572	456.21
LOCATION	L0002112	VOLUME	476698.884	3746187.982	456.23
LOCATION	L0002113	VOLUME	476698.878	3746179.392	456.24

LOCATION	L0002114	VOLUME	476698.871	3746170.802	456.24
LOCATION	L0002115	VOLUME	476698.865	3746162.212	456.25
LOCATION	L0002116	VOLUME	476698.858	3746153.622	456.25
LOCATION	L0002117	VOLUME	476698.851	3746145.032	456.30
LOCATION	L0002118	VOLUME	476698.845	3746136.442	456.35
LOCATION	L0002119	VOLUME	476698.838	3746127.852	456.39
LOCATION	L0002120	VOLUME	476698.832	3746119.262	456.43
LOCATION	L0002121	VOLUME	476698.825	3746110.672	456.47
LOCATION	L0002122	VOLUME	476698.819	3746102.082	456.51
LOCATION	L0002123	VOLUME	476698.812	3746093.492	456.54
LOCATION	L0002124	VOLUME	476698.805	3746084.902	456.55
LOCATION	L0002125	VOLUME	476698.799	3746076.312	456.55
LOCATION	L0002126	VOLUME	476701.401	3746070.343	456.51
LOCATION	L0002127	VOLUME	476709.991	3746070.387	456.42
LOCATION	L0002128	VOLUME	476718.581	3746070.432	456.34
LOCATION	L0002129	VOLUME	476727.171	3746070.476	456.26
LOCATION	L0002130	VOLUME	476735.761	3746070.520	456.19
LOCATION	L0002131	VOLUME	476744.351	3746070.564	456.14
LOCATION	L0002132	VOLUME	476752.941	3746070.609	456.08
LOCATION	L0002133	VOLUME	476761.530	3746070.653	456.01
LOCATION	L0002134	VOLUME	476770.120	3746070.697	455.95
LOCATION	L0002135	VOLUME	476778.710	3746070.741	455.88
LOCATION	L0002136	VOLUME	476787.300	3746070.786	455.81
LOCATION	L0002137	VOLUME	476795.890	3746070.830	455.73
LOCATION	L0002138	VOLUME	476804.480	3746070.874	455.66
LOCATION	L0002139	VOLUME	476813.070	3746070.919	455.58
LOCATION	L0002140	VOLUME	476821.660	3746070.963	455.49
LOCATION	L0002141	VOLUME	476830.250	3746071.007	455.40
LOCATION	L0002142	VOLUME	476838.839	3746071.051	455.31
LOCATION	L0002143	VOLUME	476847.429	3746071.096	455.22
LOCATION	L0002144	VOLUME	476856.019	3746071.140	455.13
LOCATION	L0002145	VOLUME	476864.609	3746071.184	455.04
LOCATION	L0002146	VOLUME	476873.199	3746071.229	454.95
LOCATION	L0002147	VOLUME	476881.789	3746071.273	454.86
LOCATION	L0002148	VOLUME	476890.379	3746071.317	454.77
LOCATION	L0002149	VOLUME	476898.969	3746071.361	454.69
LOCATION	L0002150	VOLUME	476907.559	3746071.406	454.60
LOCATION	L0002151	VOLUME	476916.148	3746071.450	454.52
LOCATION	L0002152	VOLUME	476924.738	3746071.494	454.44
LOCATION	L0002153	VOLUME	476933.328	3746071.538	454.36
LOCATION	L0002154	VOLUME	476941.918	3746071.583	454.30
LOCATION	L0002155	VOLUME	476950.508	3746071.627	454.28
LOCATION	L0002156	VOLUME	476959.098	3746071.671	454.25
LOCATION	L0002157	VOLUME	476967.688	3746071.716	454.21
LOCATION	L0002158	VOLUME	476976.278	3746071.760	454.14

** End of LINE VOLUME Source ID = SLINE6

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE7

** DESCRSRC Eastern Drive Aisle

** PREFIX

```

** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001036
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 5
** 476699.411, 3746441.353, 455.81, 3.49, 4.00
** 476957.172, 3746441.353, 453.04, 3.49, 4.00
** 476986.944, 3746381.883, 452.95, 3.49, 4.00
** 476987.732, 3746074.609, 453.86, 3.49, 4.00
** 476987.753, 3746066.288, 453.93, 3.49, 4.00

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** -----
LOCATION L0002159    VOLUME  476703.706 3746441.353 455.73
LOCATION L0002160    VOLUME  476712.296 3746441.353 455.65
LOCATION L0002161    VOLUME  476720.886 3746441.353 455.56
LOCATION L0002162    VOLUME  476729.476 3746441.353 455.48
LOCATION L0002163    VOLUME  476738.066 3746441.353 455.37
LOCATION L0002164    VOLUME  476746.656 3746441.353 455.25
LOCATION L0002165    VOLUME  476755.246 3746441.353 455.13
LOCATION L0002166    VOLUME  476763.836 3746441.353 455.01
LOCATION L0002167    VOLUME  476772.426 3746441.353 454.91
LOCATION L0002168    VOLUME  476781.016 3746441.353 454.80
LOCATION L0002169    VOLUME  476789.606 3746441.353 454.70
LOCATION L0002170    VOLUME  476798.196 3746441.353 454.61
LOCATION L0002171    VOLUME  476806.786 3746441.353 454.53
LOCATION L0002172    VOLUME  476815.376 3746441.353 454.44
LOCATION L0002173    VOLUME  476823.966 3746441.353 454.36
LOCATION L0002174    VOLUME  476832.556 3746441.353 454.28
LOCATION L0002175    VOLUME  476841.146 3746441.353 454.20
LOCATION L0002176    VOLUME  476849.736 3746441.353 454.11
LOCATION L0002177    VOLUME  476858.326 3746441.353 454.02
LOCATION L0002178    VOLUME  476866.916 3746441.353 453.94
LOCATION L0002179    VOLUME  476875.506 3746441.353 453.87
LOCATION L0002180    VOLUME  476884.096 3746441.353 453.79
LOCATION L0002181    VOLUME  476892.686 3746441.353 453.71
LOCATION L0002182    VOLUME  476901.276 3746441.353 453.63
LOCATION L0002183    VOLUME  476909.866 3746441.353 453.55
LOCATION L0002184    VOLUME  476918.456 3746441.353 453.46
LOCATION L0002185    VOLUME  476927.046 3746441.353 453.36
LOCATION L0002186    VOLUME  476935.636 3746441.353 453.26
LOCATION L0002187    VOLUME  476944.226 3746441.353 453.18
LOCATION L0002188    VOLUME  476952.816 3746441.353 453.11
LOCATION L0002189    VOLUME  476959.067 3746437.566 453.06
LOCATION L0002190    VOLUME  476962.913 3746429.885 453.04
LOCATION L0002191    VOLUME  476966.758 3746422.204 453.01
LOCATION L0002192    VOLUME  476970.604 3746414.522 452.98
LOCATION L0002193    VOLUME  476974.449 3746406.841 452.96
LOCATION L0002194    VOLUME  476978.295 3746399.160 452.95
LOCATION L0002195    VOLUME  476982.140 3746391.479 452.96
LOCATION L0002196    VOLUME  476985.986 3746383.798 452.97
LOCATION L0002197    VOLUME  476986.961 3746375.434 452.99

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LOCATION	L0002198	VOLUME	476986.983	3746366.844	453.02
LOCATION	L0002199	VOLUME	476987.005	3746358.254	453.07
LOCATION	L0002200	VOLUME	476987.027	3746349.664	453.11
LOCATION	L0002201	VOLUME	476987.049	3746341.074	453.15
LOCATION	L0002202	VOLUME	476987.071	3746332.484	453.20
LOCATION	L0002203	VOLUME	476987.093	3746323.894	453.24
LOCATION	L0002204	VOLUME	476987.115	3746315.304	453.29
LOCATION	L0002205	VOLUME	476987.137	3746306.714	453.33
LOCATION	L0002206	VOLUME	476987.159	3746298.124	453.36
LOCATION	L0002207	VOLUME	476987.181	3746289.535	453.38
LOCATION	L0002208	VOLUME	476987.203	3746280.945	453.41
LOCATION	L0002209	VOLUME	476987.225	3746272.355	453.44
LOCATION	L0002210	VOLUME	476987.247	3746263.765	453.47
LOCATION	L0002211	VOLUME	476987.269	3746255.175	453.50
LOCATION	L0002212	VOLUME	476987.291	3746246.585	453.52
LOCATION	L0002213	VOLUME	476987.313	3746237.995	453.55
LOCATION	L0002214	VOLUME	476987.335	3746229.405	453.58
LOCATION	L0002215	VOLUME	476987.357	3746220.815	453.61
LOCATION	L0002216	VOLUME	476987.379	3746212.225	453.64
LOCATION	L0002217	VOLUME	476987.401	3746203.635	453.68
LOCATION	L0002218	VOLUME	476987.423	3746195.045	453.72
LOCATION	L0002219	VOLUME	476987.445	3746186.455	453.75
LOCATION	L0002220	VOLUME	476987.467	3746177.865	453.78
LOCATION	L0002221	VOLUME	476987.489	3746169.275	453.82
LOCATION	L0002222	VOLUME	476987.511	3746160.685	453.85
LOCATION	L0002223	VOLUME	476987.533	3746152.095	453.88
LOCATION	L0002224	VOLUME	476987.555	3746143.505	453.91
LOCATION	L0002225	VOLUME	476987.578	3746134.915	453.94
LOCATION	L0002226	VOLUME	476987.600	3746126.325	453.96
LOCATION	L0002227	VOLUME	476987.622	3746117.735	454.00
LOCATION	L0002228	VOLUME	476987.644	3746109.145	454.04
LOCATION	L0002229	VOLUME	476987.666	3746100.555	454.09
LOCATION	L0002230	VOLUME	476987.688	3746091.965	454.14
LOCATION	L0002231	VOLUME	476987.710	3746083.375	454.10
LOCATION	L0002232	VOLUME	476987.732	3746074.785	454.06

** End of LINE VOLUME Source ID = SLINE7

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE8

** DESCRSRC West Loading Area

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 0.00002745

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 476735.431, 3746363.536, 455.64, 3.49, 4.00

** 476736.010, 3746121.162, 456.19, 3.49, 4.00

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LOCATION	L0002233	VOLUME	476735.442	3746359.241	455.58
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LOCATION	VOLUME				
LOCATION L0002234	VOLUME	476735.462	3746350.651	455.54	
LOCATION L0002235	VOLUME	476735.483	3746342.061	455.50	
LOCATION L0002236	VOLUME	476735.503	3746333.471	455.49	
LOCATION L0002237	VOLUME	476735.524	3746324.881	455.51	
LOCATION L0002238	VOLUME	476735.544	3746316.291	455.52	
LOCATION L0002239	VOLUME	476735.565	3746307.701	455.54	
LOCATION L0002240	VOLUME	476735.585	3746299.111	455.56	
LOCATION L0002241	VOLUME	476735.606	3746290.521	455.59	
LOCATION L0002242	VOLUME	476735.626	3746281.931	455.61	
LOCATION L0002243	VOLUME	476735.647	3746273.341	455.64	
LOCATION L0002244	VOLUME	476735.667	3746264.751	455.67	
LOCATION L0002245	VOLUME	476735.688	3746256.161	455.70	
LOCATION L0002246	VOLUME	476735.708	3746247.571	455.73	
LOCATION L0002247	VOLUME	476735.729	3746238.981	455.76	
LOCATION L0002248	VOLUME	476735.749	3746230.391	455.79	
LOCATION L0002249	VOLUME	476735.770	3746221.801	455.82	
LOCATION L0002250	VOLUME	476735.790	3746213.211	455.84	
LOCATION L0002251	VOLUME	476735.811	3746204.621	455.86	
LOCATION L0002252	VOLUME	476735.831	3746196.031	455.88	
LOCATION L0002253	VOLUME	476735.852	3746187.441	455.90	
LOCATION L0002254	VOLUME	476735.872	3746178.851	455.92	
LOCATION L0002255	VOLUME	476735.893	3746170.261	455.93	
LOCATION L0002256	VOLUME	476735.913	3746161.671	455.95	
LOCATION L0002257	VOLUME	476735.934	3746153.081	455.97	
LOCATION L0002258	VOLUME	476735.954	3746144.492	456.03	
LOCATION L0002259	VOLUME	476735.975	3746135.902	456.08	
LOCATION L0002260	VOLUME	476735.995	3746127.312	456.13	

** End of LINE VOLUME Source ID = SLINE8

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE9

** DESCRSRC East Loading Area

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 0.00004503

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 476955.823, 3746385.517, 453.07, 3.49, 4.00

** 476955.245, 3746088.190, 454.36, 3.49, 4.00

** -----

LOCATION	VOLUME				
LOCATION L0002261	VOLUME	476955.815	3746381.222	453.13	
LOCATION L0002262	VOLUME	476955.798	3746372.632	453.16	
LOCATION L0002263	VOLUME	476955.782	3746364.042	453.21	
LOCATION L0002264	VOLUME	476955.765	3746355.452	453.28	
LOCATION L0002265	VOLUME	476955.748	3746346.862	453.34	
LOCATION L0002266	VOLUME	476955.732	3746338.272	453.40	
LOCATION L0002267	VOLUME	476955.715	3746329.682	453.45	
LOCATION L0002268	VOLUME	476955.698	3746321.092	453.49	
LOCATION L0002269	VOLUME	476955.681	3746312.502	453.54	

LOCATION	L0002270	VOLUME	476955.665	3746303.912	453.58
LOCATION	L0002271	VOLUME	476955.648	3746295.322	453.61
LOCATION	L0002272	VOLUME	476955.631	3746286.732	453.65
LOCATION	L0002273	VOLUME	476955.615	3746278.142	453.68
LOCATION	L0002274	VOLUME	476955.598	3746269.552	453.71
LOCATION	L0002275	VOLUME	476955.581	3746260.962	453.74
LOCATION	L0002276	VOLUME	476955.564	3746252.373	453.76
LOCATION	L0002277	VOLUME	476955.548	3746243.783	453.79
LOCATION	L0002278	VOLUME	476955.531	3746235.193	453.82
LOCATION	L0002279	VOLUME	476955.514	3746226.603	453.86
LOCATION	L0002280	VOLUME	476955.498	3746218.013	453.89
LOCATION	L0002281	VOLUME	476955.481	3746209.423	453.92
LOCATION	L0002282	VOLUME	476955.464	3746200.833	453.96
LOCATION	L0002283	VOLUME	476955.447	3746192.243	453.99
LOCATION	L0002284	VOLUME	476955.431	3746183.653	454.03
LOCATION	L0002285	VOLUME	476955.414	3746175.063	454.06
LOCATION	L0002286	VOLUME	476955.397	3746166.473	454.10
LOCATION	L0002287	VOLUME	476955.381	3746157.883	454.13
LOCATION	L0002288	VOLUME	476955.364	3746149.293	454.17
LOCATION	L0002289	VOLUME	476955.347	3746140.703	454.21
LOCATION	L0002290	VOLUME	476955.330	3746132.113	454.25
LOCATION	L0002291	VOLUME	476955.314	3746123.523	454.29
LOCATION	L0002292	VOLUME	476955.297	3746114.933	454.32
LOCATION	L0002293	VOLUME	476955.280	3746106.343	454.35
LOCATION	L0002294	VOLUME	476955.264	3746097.753	454.38
LOCATION	L0002295	VOLUME	476955.247	3746089.163	454.38

** End of LINE VOLUME Source ID = SLINE9

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM	L0001531	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001532	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001533	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001534	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001535	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001536	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001537	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001538	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001539	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001540	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001541	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001542	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001543	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001544	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001545	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001546	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001547	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001548	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001549	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001550	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001551	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001552	0.00000005472	3.49	4.00	3.25

SRCPARAM	L0001553	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001554	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001555	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001556	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001557	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001558	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001559	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001560	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001561	0.00000005472	3.49	4.00	3.25
SRCPARAM	L0001562	0.00000005472	3.49	4.00	3.25

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** LINE VOLUME Source ID = SLINE2

SRCPARAM	L0001563	0.0000001385	3.49	4.00	3.25
SRCPARAM	L0001564	0.0000001385	3.49	4.00	3.25
SRCPARAM	L0001565	0.0000001385	3.49	4.00	3.25
SRCPARAM	L0001566	0.0000001385	3.49	4.00	3.25
SRCPARAM	L0001567	0.0000001385	3.49	4.00	3.25
SRCPARAM	L0001568	0.0000001385	3.49	4.00	3.25
SRCPARAM	L0001569	0.0000001385	3.49	4.00	3.25
SRCPARAM	L0001570	0.0000001385	3.49	4.00	3.25
SRCPARAM	L0001571	0.0000001385	3.49	4.00	3.25
SRCPARAM	L0001572	0.0000001385	3.49	4.00	3.25
SRCPARAM	L0001573	0.0000001385	3.49	4.00	3.25
SRCPARAM	L0001574	0.0000001385	3.49	4.00	3.25
SRCPARAM	L0001575	0.0000001385	3.49	4.00	3.25

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** LINE VOLUME Source ID = SLINE3

SRCPARAM	L0001576	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001577	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001578	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001579	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001580	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001581	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001582	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001583	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001584	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001585	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001586	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001587	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001588	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001589	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001590	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001591	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001592	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001593	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001594	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001595	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001596	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001597	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001598	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001599	0.0000001001	3.49	4.00	3.25

SRCPARAM	L0001651	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001652	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001653	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001654	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001655	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001656	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001657	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001658	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001659	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001660	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001661	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001662	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001663	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001664	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001665	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001666	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001667	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001668	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001669	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001670	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001671	0.0000001001	3.49	4.00	3.25
SRCPARAM	L0001672	0.0000001001	3.49	4.00	3.25

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 ** LINE VOLUME Source ID = SLINE4

SRCPARAM	L0001673	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001674	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001675	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001676	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001677	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001678	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001679	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001680	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001681	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001682	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001683	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001684	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001685	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001686	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001687	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001688	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001689	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001690	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001691	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001692	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001693	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001694	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001695	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001696	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001697	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001698	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001699	0.00000008834	3.49	4.00	3.25

SRCPARAM	L0001700	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001701	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001702	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001703	0.00000008834	3.49	4.00	3.25
SRCPARAM	L0001704	0.00000008834	3.49	4.00	3.25

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** LINE VOLUME Source ID = SLINE5

SRCPARAM	L0002076	0.0000001324	3.49	4.00	3.25
SRCPARAM	L0002077	0.0000001324	3.49	4.00	3.25
SRCPARAM	L0002078	0.0000001324	3.49	4.00	3.25
SRCPARAM	L0002079	0.0000001324	3.49	4.00	3.25
SRCPARAM	L0002080	0.0000001324	3.49	4.00	3.25
SRCPARAM	L0002081	0.0000001324	3.49	4.00	3.25
SRCPARAM	L0002082	0.0000001324	3.49	4.00	3.25

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** LINE VOLUME Source ID = SLINE6

SRCPARAM	L0002083	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002084	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002085	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002086	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002087	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002088	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002089	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002090	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002091	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002092	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002093	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002094	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002095	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002096	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002097	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002098	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002099	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002100	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002101	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002102	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002103	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002104	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002105	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002106	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002107	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002108	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002109	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002110	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002111	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002112	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002113	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002114	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002115	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002116	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002117	0.00000008528	3.49	4.00	3.25

SRCPARAM	L0002118	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002119	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002120	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002121	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002122	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002123	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002124	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002125	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002126	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002127	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002128	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002129	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002130	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002131	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002132	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002133	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002134	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002135	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002136	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002137	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002138	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002139	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002140	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002141	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002142	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002143	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002144	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002145	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002146	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002147	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002148	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002149	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002150	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002151	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002152	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002153	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002154	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002155	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002156	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002157	0.00000008528	3.49	4.00	3.25
SRCPARAM	L0002158	0.00000008528	3.49	4.00	3.25

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** LINE VOLUME Source ID = SLINE7

SRCPARAM	L0002159	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002160	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002161	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002162	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002163	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002164	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002165	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002166	0.00000014	3.49	4.00	3.25

SRCPARAM	L0002218	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002219	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002220	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002221	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002222	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002223	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002224	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002225	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002226	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002227	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002228	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002229	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002230	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002231	0.00000014	3.49	4.00	3.25
SRCPARAM	L0002232	0.00000014	3.49	4.00	3.25

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** LINE VOLUME Source ID = SLINE8

SRCPARAM	L0002233	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002234	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002235	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002236	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002237	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002238	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002239	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002240	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002241	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002242	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002243	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002244	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002245	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002246	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002247	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002248	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002249	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002250	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002251	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002252	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002253	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002254	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002255	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002256	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002257	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002258	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002259	0.0000009804	3.49	4.00	3.25
SRCPARAM	L0002260	0.0000009804	3.49	4.00	3.25

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** LINE VOLUME Source ID = SLINE9

SRCPARAM	L0002261	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002262	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002263	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002264	0.000001287	3.49	4.00	3.25

SRCPARAM	L0002265	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002266	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002267	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002268	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002269	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002270	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002271	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002272	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002273	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002274	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002275	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002276	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002277	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002278	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002279	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002280	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002281	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002282	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002283	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002284	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002285	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002286	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002287	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002288	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002289	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002290	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002291	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002292	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002293	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002294	0.000001287	3.49	4.00	3.25
SRCPARAM	L0002295	0.000001287	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 "..\\..\\PerrisADJU (1)\\PERI_V9_ADJU\\PERI_v9.SFC"
PROFILE "..\\..\\PerrisADJU (1)\\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   1027      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used      0.50
ME W187   1027      MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
```

*** SETUP Finishes Successfully ***

```
**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 = 3.8 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
```


*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB1

*** 01/26/22
 *** 21:12:23
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*** MODELOPTs: RegDEFAULT 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
L0001611	0	0.10010E-06	476469.5	3746784.7	457.7	3.49	4.00	3.25	YES	
L0001612	0	0.10010E-06	476467.1	3746793.0	457.7	3.49	4.00	3.25	YES	
L0001613	0	0.10010E-06	476464.8	3746801.2	457.7	3.49	4.00	3.25	YES	
L0001614	0	0.10010E-06	476462.4	3746809.5	457.7	3.49	4.00	3.25	YES	
L0001615	0	0.10010E-06	476460.0	3746817.7	457.7	3.49	4.00	3.25	YES	
L0001616	0	0.10010E-06	476457.6	3746826.0	457.8	3.49	4.00	3.25	YES	
L0001617	0	0.10010E-06	476454.7	3746834.0	457.8	3.49	4.00	3.25	YES	
L0001618	0	0.10010E-06	476450.1	3746841.2	457.8	3.49	4.00	3.25	YES	
L0001619	0	0.10010E-06	476445.5	3746848.5	457.7	3.49	4.00	3.25	YES	
L0001620	0	0.10010E-06	476440.9	3746855.7	457.8	3.49	4.00	3.25	YES	
L0001621	0	0.10010E-06	476436.3	3746863.0	457.9	3.49	4.00	3.25	YES	
L0001622	0	0.10010E-06	476431.7	3746870.3	457.9	3.49	4.00	3.25	YES	
L0001623	0	0.10010E-06	476427.1	3746877.5	457.9	3.49	4.00	3.25	YES	
L0001624	0	0.10010E-06	476422.5	3746884.8	457.8	3.49	4.00	3.25	YES	
L0001625	0	0.10010E-06	476417.9	3746892.0	457.8	3.49	4.00	3.25	YES	
L0001626	0	0.10010E-06	476413.2	3746899.3	457.8	3.49	4.00	3.25	YES	
L0001627	0	0.10010E-06	476407.3	3746905.1	457.9	3.49	4.00	3.25	YES	
L0001628	0	0.10010E-06	476399.7	3746909.2	458.0	3.49	4.00	3.25	YES	
L0001629	0	0.10010E-06	476392.2	3746913.2	458.0	3.49	4.00	3.25	YES	
L0001630	0	0.10010E-06	476384.6	3746917.3	458.1	3.49	4.00	3.25	YES	
L0001631	0	0.10010E-06	476377.1	3746921.4	458.2	3.49	4.00	3.25	YES	
L0001632	0	0.10010E-06	476369.5	3746925.5	458.4	3.49	4.00	3.25	YES	
L0001633	0	0.10010E-06	476362.0	3746929.6	458.4	3.49	4.00	3.25	YES	
L0001634	0	0.10010E-06	476354.4	3746933.7	458.4	3.49	4.00	3.25	YES	
L0001635	0	0.10010E-06	476346.9	3746937.8	458.4	3.49	4.00	3.25	YES	
L0001636	0	0.10010E-06	476339.3	3746941.9	458.4	3.49	4.00	3.25	YES	
L0001637	0	0.10010E-06	476331.8	3746946.0	458.4	3.49	4.00	3.25	YES	
L0001638	0	0.10010E-06	476324.0	3746949.4	458.4	3.49	4.00	3.25	YES	
L0001639	0	0.10010E-06	476315.5	3746951.0	458.4	3.49	4.00	3.25	YES	
L0001640	0	0.10010E-06	476307.1	3746952.6	458.5	3.49	4.00	3.25	YES	
L0001641	0	0.10010E-06	476298.7	3746954.2	458.6	3.49	4.00	3.25	YES	
L0001642	0	0.10010E-06	476290.2	3746955.9	458.6	3.49	4.00	3.25	YES	
L0001643	0	0.10010E-06	476281.8	3746957.5	458.7	3.49	4.00	3.25	YES	
L0001644	0	0.10010E-06	476273.4	3746959.1	458.7	3.49	4.00	3.25	YES	
L0001645	0	0.10010E-06	476264.9	3746958.5	458.9	3.49	4.00	3.25	YES	
L0001646	0	0.10010E-06	476256.5	3746956.9	459.1	3.49	4.00	3.25	YES	
L0001647	0	0.10010E-06	476248.1	3746955.3	459.3	3.49	4.00	3.25	YES	
L0001648	0	0.10010E-06	476239.6	3746953.6	459.5	3.49	4.00	3.25	YES	
L0001649	0	0.10010E-06	476231.2	3746952.2	459.6	3.49	4.00	3.25	YES	
L0001650	0	0.10010E-06	476222.6	3746952.0	459.8	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB1

*** 01/26/22
 *** 21:12:23
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*** MODELOPTs: RegDEFAULT 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
L0001651	0	0.10010E-06	476214.0	3746951.9	459.9	3.49	4.00	3.25	YES	
L0001652	0	0.10010E-06	476205.4	3746951.8	460.1	3.49	4.00	3.25	YES	
L0001653	0	0.10010E-06	476196.8	3746951.7	460.2	3.49	4.00	3.25	YES	
L0001654	0	0.10010E-06	476188.2	3746951.6	460.5	3.49	4.00	3.25	YES	
L0001655	0	0.10010E-06	476179.6	3746951.4	460.8	3.49	4.00	3.25	YES	
L0001656	0	0.10010E-06	476171.0	3746951.3	461.1	3.49	4.00	3.25	YES	
L0001657	0	0.10010E-06	476162.5	3746951.2	461.4	3.49	4.00	3.25	YES	
L0001658	0	0.10010E-06	476153.9	3746951.1	461.8	3.49	4.00	3.25	YES	
L0001659	0	0.10010E-06	476145.3	3746951.0	462.2	3.49	4.00	3.25	YES	
L0001660	0	0.10010E-06	476136.7	3746950.8	462.5	3.49	4.00	3.25	YES	
L0001661	0	0.10010E-06	476128.1	3746950.7	462.9	3.49	4.00	3.25	YES	
L0001662	0	0.10010E-06	476119.5	3746950.6	463.3	3.49	4.00	3.25	YES	
L0001663	0	0.10010E-06	476110.9	3746950.5	463.8	3.49	4.00	3.25	YES	
L0001664	0	0.10010E-06	476102.3	3746950.4	464.2	3.49	4.00	3.25	YES	
L0001665	0	0.10010E-06	476093.7	3746950.2	464.6	3.49	4.00	3.25	YES	
L0001666	0	0.10010E-06	476085.2	3746950.1	465.0	3.49	4.00	3.25	YES	
L0001667	0	0.10010E-06	476076.6	3746950.0	465.4	3.49	4.00	3.25	YES	
L0001668	0	0.10010E-06	476068.0	3746949.9	465.8	3.49	4.00	3.25	YES	
L0001669	0	0.10010E-06	476059.4	3746949.8	466.4	3.49	4.00	3.25	YES	
L0001670	0	0.10010E-06	476050.8	3746949.7	467.1	3.49	4.00	3.25	YES	
L0001671	0	0.10010E-06	476042.2	3746949.5	467.7	3.49	4.00	3.25	YES	
L0001672	0	0.10010E-06	476033.6	3746949.4	467.8	3.49	4.00	3.25	YES	
L0001673	0	0.88340E-07	476643.6	3746159.5	457.0	3.49	4.00	3.25	YES	
L0001674	0	0.88340E-07	476652.2	3746159.5	456.9	3.49	4.00	3.25	YES	
L0001675	0	0.88340E-07	476660.8	3746159.5	456.7	3.49	4.00	3.25	YES	
L0001676	0	0.88340E-07	476669.4	3746159.5	456.6	3.49	4.00	3.25	YES	
L0001677	0	0.88340E-07	476671.8	3746167.4	456.6	3.49	4.00	3.25	YES	
L0001678	0	0.88340E-07	476671.2	3746175.3	456.5	3.49	4.00	3.25	YES	
L0001679	0	0.88340E-07	476666.9	3746182.7	456.6	3.49	4.00	3.25	YES	
L0001680	0	0.88340E-07	476662.6	3746190.2	456.6	3.49	4.00	3.25	YES	
L0001681	0	0.88340E-07	476659.9	3746198.2	456.6	3.49	4.00	3.25	YES	
L0001682	0	0.88340E-07	476658.1	3746206.6	456.6	3.49	4.00	3.25	YES	
L0001683	0	0.88340E-07	476656.3	3746215.0	456.6	3.49	4.00	3.25	YES	
L0001684	0	0.88340E-07	476654.5	3746223.4	456.7	3.49	4.00	3.25	YES	
L0001685	0	0.88340E-07	476654.0	3746232.0	456.6	3.49	4.00	3.25	YES	
L0001686	0	0.88340E-07	476654.0	3746240.5	456.6	3.49	4.00	3.25	YES	
L0001687	0	0.88340E-07	476654.0	3746249.1	456.6	3.49	4.00	3.25	YES	
L0001688	0	0.88340E-07	476654.0	3746257.7	456.6	3.49	4.00	3.25	YES	
L0001689	0	0.88340E-07	476654.0	3746266.3	456.6	3.49	4.00	3.25	YES	
L0001690	0	0.88340E-07	476654.0	3746274.9	456.6	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDEFAULT 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
L0001691	0	0.88340E-07	476654.1	3746283.5	456.6	3.49	4.00	3.25	YES	
L0001692	0	0.88340E-07	476654.1	3746292.1	456.5	3.49	4.00	3.25	YES	
L0001693	0	0.88340E-07	476654.1	3746300.7	456.5	3.49	4.00	3.25	YES	
L0001694	0	0.88340E-07	476654.1	3746309.3	456.5	3.49	4.00	3.25	YES	
L0001695	0	0.88340E-07	476654.1	3746317.9	456.5	3.49	4.00	3.25	YES	
L0001696	0	0.88340E-07	476654.2	3746326.4	456.4	3.49	4.00	3.25	YES	
L0001697	0	0.88340E-07	476654.2	3746335.0	456.4	3.49	4.00	3.25	YES	
L0001698	0	0.88340E-07	476654.2	3746343.6	456.4	3.49	4.00	3.25	YES	
L0001699	0	0.88340E-07	476654.2	3746352.2	456.4	3.49	4.00	3.25	YES	
L0001700	0	0.88340E-07	476659.7	3746356.4	456.3	3.49	4.00	3.25	YES	
L0001701	0	0.88340E-07	476668.2	3746356.2	456.2	3.49	4.00	3.25	YES	
L0001702	0	0.88340E-07	476676.8	3746356.2	456.1	3.49	4.00	3.25	YES	
L0001703	0	0.88340E-07	476685.4	3746356.2	456.0	3.49	4.00	3.25	YES	
L0001704	0	0.88340E-07	476694.0	3746356.2	456.0	3.49	4.00	3.25	YES	
L0002076	0	0.13240E-06	476643.4	3746440.2	456.3	3.49	4.00	3.25	YES	
L0002077	0	0.13240E-06	476652.0	3746440.3	456.2	3.49	4.00	3.25	YES	
L0002078	0	0.13240E-06	476660.6	3746440.3	456.1	3.49	4.00	3.25	YES	
L0002079	0	0.13240E-06	476669.2	3746440.4	456.0	3.49	4.00	3.25	YES	
L0002080	0	0.13240E-06	476677.8	3746440.4	455.9	3.49	4.00	3.25	YES	
L0002081	0	0.13240E-06	476686.4	3746440.5	455.9	3.49	4.00	3.25	YES	
L0002082	0	0.13240E-06	476695.0	3746440.6	455.8	3.49	4.00	3.25	YES	
L0002083	0	0.85280E-07	476699.1	3746437.1	455.8	3.49	4.00	3.25	YES	
L0002084	0	0.85280E-07	476699.1	3746428.5	455.8	3.49	4.00	3.25	YES	
L0002085	0	0.85280E-07	476699.1	3746419.9	455.9	3.49	4.00	3.25	YES	
L0002086	0	0.85280E-07	476699.1	3746411.3	455.9	3.49	4.00	3.25	YES	
L0002087	0	0.85280E-07	476699.0	3746402.7	456.0	3.49	4.00	3.25	YES	
L0002088	0	0.85280E-07	476699.0	3746394.1	456.0	3.49	4.00	3.25	YES	
L0002089	0	0.85280E-07	476699.0	3746385.6	456.0	3.49	4.00	3.25	YES	
L0002090	0	0.85280E-07	476699.0	3746377.0	456.0	3.49	4.00	3.25	YES	
L0002091	0	0.85280E-07	476699.0	3746368.4	456.0	3.49	4.00	3.25	YES	
L0002092	0	0.85280E-07	476699.0	3746359.8	455.9	3.49	4.00	3.25	YES	
L0002093	0	0.85280E-07	476699.0	3746351.2	455.9	3.49	4.00	3.25	YES	
L0002094	0	0.85280E-07	476699.0	3746342.6	455.9	3.49	4.00	3.25	YES	
L0002095	0	0.85280E-07	476699.0	3746334.0	455.9	3.49	4.00	3.25	YES	
L0002096	0	0.85280E-07	476699.0	3746325.4	455.9	3.49	4.00	3.25	YES	
L0002097	0	0.85280E-07	476699.0	3746316.8	455.9	3.49	4.00	3.25	YES	
L0002098	0	0.85280E-07	476699.0	3746308.2	455.9	3.49	4.00	3.25	YES	
L0002099	0	0.85280E-07	476699.0	3746299.7	456.0	3.49	4.00	3.25	YES	
L0002100	0	0.85280E-07	476699.0	3746291.1	456.0	3.49	4.00	3.25	YES	
L0002101	0	0.85280E-07	476699.0	3746282.5	456.0	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDEFAULT 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
L0002102	0	0.85280E-07	476699.0	3746273.9	456.0	3.49	4.00	3.25	YES	
L0002103	0	0.85280E-07	476698.9	3746265.3	456.0	3.49	4.00	3.25	YES	
L0002104	0	0.85280E-07	476698.9	3746256.7	456.1	3.49	4.00	3.25	YES	
L0002105	0	0.85280E-07	476698.9	3746248.1	456.1	3.49	4.00	3.25	YES	
L0002106	0	0.85280E-07	476698.9	3746239.5	456.1	3.49	4.00	3.25	YES	
L0002107	0	0.85280E-07	476698.9	3746230.9	456.1	3.49	4.00	3.25	YES	
L0002108	0	0.85280E-07	476698.9	3746222.3	456.1	3.49	4.00	3.25	YES	
L0002109	0	0.85280E-07	476698.9	3746213.8	456.2	3.49	4.00	3.25	YES	
L0002110	0	0.85280E-07	476698.9	3746205.2	456.2	3.49	4.00	3.25	YES	
L0002111	0	0.85280E-07	476698.9	3746196.6	456.2	3.49	4.00	3.25	YES	
L0002112	0	0.85280E-07	476698.9	3746188.0	456.2	3.49	4.00	3.25	YES	
L0002113	0	0.85280E-07	476698.9	3746179.4	456.2	3.49	4.00	3.25	YES	
L0002114	0	0.85280E-07	476698.9	3746170.8	456.2	3.49	4.00	3.25	YES	
L0002115	0	0.85280E-07	476698.9	3746162.2	456.2	3.49	4.00	3.25	YES	
L0002116	0	0.85280E-07	476698.9	3746153.6	456.2	3.49	4.00	3.25	YES	
L0002117	0	0.85280E-07	476698.9	3746145.0	456.3	3.49	4.00	3.25	YES	
L0002118	0	0.85280E-07	476698.8	3746136.4	456.4	3.49	4.00	3.25	YES	
L0002119	0	0.85280E-07	476698.8	3746127.9	456.4	3.49	4.00	3.25	YES	
L0002120	0	0.85280E-07	476698.8	3746119.3	456.4	3.49	4.00	3.25	YES	
L0002121	0	0.85280E-07	476698.8	3746110.7	456.5	3.49	4.00	3.25	YES	
L0002122	0	0.85280E-07	476698.8	3746102.1	456.5	3.49	4.00	3.25	YES	
L0002123	0	0.85280E-07	476698.8	3746093.5	456.5	3.49	4.00	3.25	YES	
L0002124	0	0.85280E-07	476698.8	3746084.9	456.6	3.49	4.00	3.25	YES	
L0002125	0	0.85280E-07	476698.8	3746076.3	456.6	3.49	4.00	3.25	YES	
L0002126	0	0.85280E-07	476701.4	3746070.3	456.5	3.49	4.00	3.25	YES	
L0002127	0	0.85280E-07	476710.0	3746070.4	456.4	3.49	4.00	3.25	YES	
L0002128	0	0.85280E-07	476718.6	3746070.4	456.3	3.49	4.00	3.25	YES	
L0002129	0	0.85280E-07	476727.2	3746070.5	456.3	3.49	4.00	3.25	YES	
L0002130	0	0.85280E-07	476735.8	3746070.5	456.2	3.49	4.00	3.25	YES	
L0002131	0	0.85280E-07	476744.4	3746070.6	456.1	3.49	4.00	3.25	YES	
L0002132	0	0.85280E-07	476752.9	3746070.6	456.1	3.49	4.00	3.25	YES	
L0002133	0	0.85280E-07	476761.5	3746070.7	456.0	3.49	4.00	3.25	YES	
L0002134	0	0.85280E-07	476770.1	3746070.7	455.9	3.49	4.00	3.25	YES	
L0002135	0	0.85280E-07	476778.7	3746070.7	455.9	3.49	4.00	3.25	YES	
L0002136	0	0.85280E-07	476787.3	3746070.8	455.8	3.49	4.00	3.25	YES	
L0002137	0	0.85280E-07	476795.9	3746070.8	455.7	3.49	4.00	3.25	YES	
L0002138	0	0.85280E-07	476804.5	3746070.9	455.7	3.49	4.00	3.25	YES	
L0002139	0	0.85280E-07	476813.1	3746070.9	455.6	3.49	4.00	3.25	YES	
L0002140	0	0.85280E-07	476821.7	3746071.0	455.5	3.49	4.00	3.25	YES	
L0002141	0	0.85280E-07	476830.2	3746071.0	455.4	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
*** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB1

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*** 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
L0002142	0	0.85280E-07	476838.8	3746071.1	455.3	3.49	4.00	3.25	YES	
L0002143	0	0.85280E-07	476847.4	3746071.1	455.2	3.49	4.00	3.25	YES	
L0002144	0	0.85280E-07	476856.0	3746071.1	455.1	3.49	4.00	3.25	YES	
L0002145	0	0.85280E-07	476864.6	3746071.2	455.0	3.49	4.00	3.25	YES	
L0002146	0	0.85280E-07	476873.2	3746071.2	454.9	3.49	4.00	3.25	YES	
L0002147	0	0.85280E-07	476881.8	3746071.3	454.9	3.49	4.00	3.25	YES	
L0002148	0	0.85280E-07	476890.4	3746071.3	454.8	3.49	4.00	3.25	YES	
L0002149	0	0.85280E-07	476899.0	3746071.4	454.7	3.49	4.00	3.25	YES	
L0002150	0	0.85280E-07	476907.6	3746071.4	454.6	3.49	4.00	3.25	YES	
L0002151	0	0.85280E-07	476916.1	3746071.4	454.5	3.49	4.00	3.25	YES	
L0002152	0	0.85280E-07	476924.7	3746071.5	454.4	3.49	4.00	3.25	YES	
L0002153	0	0.85280E-07	476933.3	3746071.5	454.4	3.49	4.00	3.25	YES	
L0002154	0	0.85280E-07	476941.9	3746071.6	454.3	3.49	4.00	3.25	YES	
L0002155	0	0.85280E-07	476950.5	3746071.6	454.3	3.49	4.00	3.25	YES	
L0002156	0	0.85280E-07	476959.1	3746071.7	454.2	3.49	4.00	3.25	YES	
L0002157	0	0.85280E-07	476967.7	3746071.7	454.2	3.49	4.00	3.25	YES	
L0002158	0	0.85280E-07	476976.3	3746071.8	454.1	3.49	4.00	3.25	YES	
L0002159	0	0.14000E-06	476703.7	3746441.4	455.7	3.49	4.00	3.25	YES	
L0002160	0	0.14000E-06	476712.3	3746441.4	455.7	3.49	4.00	3.25	YES	
L0002161	0	0.14000E-06	476720.9	3746441.4	455.6	3.49	4.00	3.25	YES	
L0002162	0	0.14000E-06	476729.5	3746441.4	455.5	3.49	4.00	3.25	YES	
L0002163	0	0.14000E-06	476738.1	3746441.4	455.4	3.49	4.00	3.25	YES	
L0002164	0	0.14000E-06	476746.7	3746441.4	455.2	3.49	4.00	3.25	YES	
L0002165	0	0.14000E-06	476755.2	3746441.4	455.1	3.49	4.00	3.25	YES	
L0002166	0	0.14000E-06	476763.8	3746441.4	455.0	3.49	4.00	3.25	YES	
L0002167	0	0.14000E-06	476772.4	3746441.4	454.9	3.49	4.00	3.25	YES	
L0002168	0	0.14000E-06	476781.0	3746441.4	454.8	3.49	4.00	3.25	YES	
L0002169	0	0.14000E-06	476789.6	3746441.4	454.7	3.49	4.00	3.25	YES	
L0002170	0	0.14000E-06	476798.2	3746441.4	454.6	3.49	4.00	3.25	YES	
L0002171	0	0.14000E-06	476806.8	3746441.4	454.5	3.49	4.00	3.25	YES	
L0002172	0	0.14000E-06	476815.4	3746441.4	454.4	3.49	4.00	3.25	YES	
L0002173	0	0.14000E-06	476824.0	3746441.4	454.4	3.49	4.00	3.25	YES	
L0002174	0	0.14000E-06	476832.6	3746441.4	454.3	3.49	4.00	3.25	YES	
L0002175	0	0.14000E-06	476841.1	3746441.4	454.2	3.49	4.00	3.25	YES	
L0002176	0	0.14000E-06	476849.7	3746441.4	454.1	3.49	4.00	3.25	YES	
L0002177	0	0.14000E-06	476858.3	3746441.4	454.0	3.49	4.00	3.25	YES	
L0002178	0	0.14000E-06	476866.9	3746441.4	453.9	3.49	4.00	3.25	YES	
L0002179	0	0.14000E-06	476875.5	3746441.4	453.9	3.49	4.00	3.25	YES	
L0002180	0	0.14000E-06	476884.1	3746441.4	453.8	3.49	4.00	3.25	YES	
L0002181	0	0.14000E-06	476892.7	3746441.4	453.7	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB1

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*** MODELOPTs: RegDEFAULT 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
L0002182	0	0.14000E-06	476901.3	3746441.4	453.6	3.49	4.00	3.25	YES	
L0002183	0	0.14000E-06	476909.9	3746441.4	453.6	3.49	4.00	3.25	YES	
L0002184	0	0.14000E-06	476918.5	3746441.4	453.5	3.49	4.00	3.25	YES	
L0002185	0	0.14000E-06	476927.0	3746441.4	453.4	3.49	4.00	3.25	YES	
L0002186	0	0.14000E-06	476935.6	3746441.4	453.3	3.49	4.00	3.25	YES	
L0002187	0	0.14000E-06	476944.2	3746441.4	453.2	3.49	4.00	3.25	YES	
L0002188	0	0.14000E-06	476952.8	3746441.4	453.1	3.49	4.00	3.25	YES	
L0002189	0	0.14000E-06	476959.1	3746437.6	453.1	3.49	4.00	3.25	YES	
L0002190	0	0.14000E-06	476962.9	3746429.9	453.0	3.49	4.00	3.25	YES	
L0002191	0	0.14000E-06	476966.8	3746422.2	453.0	3.49	4.00	3.25	YES	
L0002192	0	0.14000E-06	476970.6	3746414.5	453.0	3.49	4.00	3.25	YES	
L0002193	0	0.14000E-06	476974.4	3746406.8	453.0	3.49	4.00	3.25	YES	
L0002194	0	0.14000E-06	476978.3	3746399.2	452.9	3.49	4.00	3.25	YES	
L0002195	0	0.14000E-06	476982.1	3746391.5	453.0	3.49	4.00	3.25	YES	
L0002196	0	0.14000E-06	476986.0	3746383.8	453.0	3.49	4.00	3.25	YES	
L0002197	0	0.14000E-06	476987.0	3746375.4	453.0	3.49	4.00	3.25	YES	
L0002198	0	0.14000E-06	476987.0	3746366.8	453.0	3.49	4.00	3.25	YES	
L0002199	0	0.14000E-06	476987.0	3746358.3	453.1	3.49	4.00	3.25	YES	
L0002200	0	0.14000E-06	476987.0	3746349.7	453.1	3.49	4.00	3.25	YES	
L0002201	0	0.14000E-06	476987.0	3746341.1	453.2	3.49	4.00	3.25	YES	
L0002202	0	0.14000E-06	476987.1	3746332.5	453.2	3.49	4.00	3.25	YES	
L0002203	0	0.14000E-06	476987.1	3746323.9	453.2	3.49	4.00	3.25	YES	
L0002204	0	0.14000E-06	476987.1	3746315.3	453.3	3.49	4.00	3.25	YES	
L0002205	0	0.14000E-06	476987.1	3746306.7	453.3	3.49	4.00	3.25	YES	
L0002206	0	0.14000E-06	476987.2	3746298.1	453.4	3.49	4.00	3.25	YES	
L0002207	0	0.14000E-06	476987.2	3746289.5	453.4	3.49	4.00	3.25	YES	
L0002208	0	0.14000E-06	476987.2	3746280.9	453.4	3.49	4.00	3.25	YES	
L0002209	0	0.14000E-06	476987.2	3746272.4	453.4	3.49	4.00	3.25	YES	
L0002210	0	0.14000E-06	476987.2	3746263.8	453.5	3.49	4.00	3.25	YES	
L0002211	0	0.14000E-06	476987.3	3746255.2	453.5	3.49	4.00	3.25	YES	
L0002212	0	0.14000E-06	476987.3	3746246.6	453.5	3.49	4.00	3.25	YES	
L0002213	0	0.14000E-06	476987.3	3746238.0	453.6	3.49	4.00	3.25	YES	
L0002214	0	0.14000E-06	476987.3	3746229.4	453.6	3.49	4.00	3.25	YES	
L0002215	0	0.14000E-06	476987.4	3746220.8	453.6	3.49	4.00	3.25	YES	
L0002216	0	0.14000E-06	476987.4	3746212.2	453.6	3.49	4.00	3.25	YES	
L0002217	0	0.14000E-06	476987.4	3746203.6	453.7	3.49	4.00	3.25	YES	
L0002218	0	0.14000E-06	476987.4	3746195.0	453.7	3.49	4.00	3.25	YES	
L0002219	0	0.14000E-06	476987.4	3746186.5	453.8	3.49	4.00	3.25	YES	
L0002220	0	0.14000E-06	476987.5	3746177.9	453.8	3.49	4.00	3.25	YES	
L0002221	0	0.14000E-06	476987.5	3746169.3	453.8	3.49	4.00	3.25	YES	

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*** MODELOPTs: RegDEFAULT 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
L0002222	0	0.14000E-06	476987.5	3746160.7	453.9	3.49	4.00	3.25	YES	
L0002223	0	0.14000E-06	476987.5	3746152.1	453.9	3.49	4.00	3.25	YES	
L0002224	0	0.14000E-06	476987.6	3746143.5	453.9	3.49	4.00	3.25	YES	
L0002225	0	0.14000E-06	476987.6	3746134.9	453.9	3.49	4.00	3.25	YES	
L0002226	0	0.14000E-06	476987.6	3746126.3	454.0	3.49	4.00	3.25	YES	
L0002227	0	0.14000E-06	476987.6	3746117.7	454.0	3.49	4.00	3.25	YES	
L0002228	0	0.14000E-06	476987.6	3746109.1	454.0	3.49	4.00	3.25	YES	
L0002229	0	0.14000E-06	476987.7	3746100.6	454.1	3.49	4.00	3.25	YES	
L0002230	0	0.14000E-06	476987.7	3746092.0	454.1	3.49	4.00	3.25	YES	
L0002231	0	0.14000E-06	476987.7	3746083.4	454.1	3.49	4.00	3.25	YES	
L0002232	0	0.14000E-06	476987.7	3746074.8	454.1	3.49	4.00	3.25	YES	
L0002233	0	0.98040E-06	476735.4	3746359.2	455.6	3.49	4.00	3.25	YES	
L0002234	0	0.98040E-06	476735.5	3746350.7	455.5	3.49	4.00	3.25	YES	
L0002235	0	0.98040E-06	476735.5	3746342.1	455.5	3.49	4.00	3.25	YES	
L0002236	0	0.98040E-06	476735.5	3746333.5	455.5	3.49	4.00	3.25	YES	
L0002237	0	0.98040E-06	476735.5	3746324.9	455.5	3.49	4.00	3.25	YES	
L0002238	0	0.98040E-06	476735.5	3746316.3	455.5	3.49	4.00	3.25	YES	
L0002239	0	0.98040E-06	476735.6	3746307.7	455.5	3.49	4.00	3.25	YES	
L0002240	0	0.98040E-06	476735.6	3746299.1	455.6	3.49	4.00	3.25	YES	
L0002241	0	0.98040E-06	476735.6	3746290.5	455.6	3.49	4.00	3.25	YES	
L0002242	0	0.98040E-06	476735.6	3746281.9	455.6	3.49	4.00	3.25	YES	
L0002243	0	0.98040E-06	476735.6	3746273.3	455.6	3.49	4.00	3.25	YES	
L0002244	0	0.98040E-06	476735.7	3746264.8	455.7	3.49	4.00	3.25	YES	
L0002245	0	0.98040E-06	476735.7	3746256.2	455.7	3.49	4.00	3.25	YES	
L0002246	0	0.98040E-06	476735.7	3746247.6	455.7	3.49	4.00	3.25	YES	
L0002247	0	0.98040E-06	476735.7	3746239.0	455.8	3.49	4.00	3.25	YES	
L0002248	0	0.98040E-06	476735.7	3746230.4	455.8	3.49	4.00	3.25	YES	
L0002249	0	0.98040E-06	476735.8	3746221.8	455.8	3.49	4.00	3.25	YES	
L0002250	0	0.98040E-06	476735.8	3746213.2	455.8	3.49	4.00	3.25	YES	
L0002251	0	0.98040E-06	476735.8	3746204.6	455.9	3.49	4.00	3.25	YES	
L0002252	0	0.98040E-06	476735.8	3746196.0	455.9	3.49	4.00	3.25	YES	
L0002253	0	0.98040E-06	476735.9	3746187.4	455.9	3.49	4.00	3.25	YES	
L0002254	0	0.98040E-06	476735.9	3746178.9	455.9	3.49	4.00	3.25	YES	
L0002255	0	0.98040E-06	476735.9	3746170.3	455.9	3.49	4.00	3.25	YES	
L0002256	0	0.98040E-06	476735.9	3746161.7	455.9	3.49	4.00	3.25	YES	
L0002257	0	0.98040E-06	476735.9	3746153.1	456.0	3.49	4.00	3.25	YES	
L0002258	0	0.98040E-06	476736.0	3746144.5	456.0	3.49	4.00	3.25	YES	
L0002259	0	0.98040E-06	476736.0	3746135.9	456.1	3.49	4.00	3.25	YES	
L0002260	0	0.98040E-06	476736.0	3746127.3	456.1	3.49	4.00	3.25	YES	
L0002261	0	0.12870E-05	476955.8	3746381.2	453.1	3.49	4.00	3.25	YES	

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*** MODELOPTs: RegDEFAULT 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
L0002262	0	0.12870E-05	476955.8	3746372.6	453.2	3.49	4.00	3.25	YES	
L0002263	0	0.12870E-05	476955.8	3746364.0	453.2	3.49	4.00	3.25	YES	
L0002264	0	0.12870E-05	476955.8	3746355.5	453.3	3.49	4.00	3.25	YES	
L0002265	0	0.12870E-05	476955.7	3746346.9	453.3	3.49	4.00	3.25	YES	
L0002266	0	0.12870E-05	476955.7	3746338.3	453.4	3.49	4.00	3.25	YES	
L0002267	0	0.12870E-05	476955.7	3746329.7	453.4	3.49	4.00	3.25	YES	
L0002268	0	0.12870E-05	476955.7	3746321.1	453.5	3.49	4.00	3.25	YES	
L0002269	0	0.12870E-05	476955.7	3746312.5	453.5	3.49	4.00	3.25	YES	
L0002270	0	0.12870E-05	476955.7	3746303.9	453.6	3.49	4.00	3.25	YES	
L0002271	0	0.12870E-05	476955.6	3746295.3	453.6	3.49	4.00	3.25	YES	
L0002272	0	0.12870E-05	476955.6	3746286.7	453.7	3.49	4.00	3.25	YES	
L0002273	0	0.12870E-05	476955.6	3746278.1	453.7	3.49	4.00	3.25	YES	
L0002274	0	0.12870E-05	476955.6	3746269.6	453.7	3.49	4.00	3.25	YES	
L0002275	0	0.12870E-05	476955.6	3746261.0	453.7	3.49	4.00	3.25	YES	
L0002276	0	0.12870E-05	476955.6	3746252.4	453.8	3.49	4.00	3.25	YES	
L0002277	0	0.12870E-05	476955.5	3746243.8	453.8	3.49	4.00	3.25	YES	
L0002278	0	0.12870E-05	476955.5	3746235.2	453.8	3.49	4.00	3.25	YES	
L0002279	0	0.12870E-05	476955.5	3746226.6	453.9	3.49	4.00	3.25	YES	
L0002280	0	0.12870E-05	476955.5	3746218.0	453.9	3.49	4.00	3.25	YES	
L0002281	0	0.12870E-05	476955.5	3746209.4	453.9	3.49	4.00	3.25	YES	
L0002282	0	0.12870E-05	476955.5	3746200.8	454.0	3.49	4.00	3.25	YES	
L0002283	0	0.12870E-05	476955.4	3746192.2	454.0	3.49	4.00	3.25	YES	
L0002284	0	0.12870E-05	476955.4	3746183.7	454.0	3.49	4.00	3.25	YES	
L0002285	0	0.12870E-05	476955.4	3746175.1	454.1	3.49	4.00	3.25	YES	
L0002286	0	0.12870E-05	476955.4	3746166.5	454.1	3.49	4.00	3.25	YES	
L0002287	0	0.12870E-05	476955.4	3746157.9	454.1	3.49	4.00	3.25	YES	
L0002288	0	0.12870E-05	476955.4	3746149.3	454.2	3.49	4.00	3.25	YES	
L0002289	0	0.12870E-05	476955.3	3746140.7	454.2	3.49	4.00	3.25	YES	
L0002290	0	0.12870E-05	476955.3	3746132.1	454.2	3.49	4.00	3.25	YES	
L0002291	0	0.12870E-05	476955.3	3746123.5	454.3	3.49	4.00	3.25	YES	
L0002292	0	0.12870E-05	476955.3	3746114.9	454.3	3.49	4.00	3.25	YES	
L0002293	0	0.12870E-05	476955.3	3746106.3	454.4	3.49	4.00	3.25	YES	
L0002294	0	0.12870E-05	476955.3	3746097.8	454.4	3.49	4.00	3.25	YES	
L0002295	0	0.12870E-05	476955.2	3746089.2	454.4	3.49	4.00	3.25	YES	

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs															
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ALL	L0001531	,	L0001532	,	L0001533	,	L0001534	,	L0001535	,	L0001536	,	L0001537	,	L0001538	,
	L0001539	,	L0001540	,	L0001541	,	L0001542	,	L0001543	,	L0001544	,	L0001545	,	L0001546	,
	L0001547	,	L0001548	,	L0001549	,	L0001550	,	L0001551	,	L0001552	,	L0001553	,	L0001554	,
	L0001555	,	L0001556	,	L0001557	,	L0001558	,	L0001559	,	L0001560	,	L0001561	,	L0001562	,
	L0001563	,	L0001564	,	L0001565	,	L0001566	,	L0001567	,	L0001568	,	L0001569	,	L0001570	,
	L0001571	,	L0001572	,	L0001573	,	L0001574	,	L0001575	,	L0001576	,	L0001577	,	L0001578	,
	L0001579	,	L0001580	,	L0001581	,	L0001582	,	L0001583	,	L0001584	,	L0001585	,	L0001586	,
	L0001587	,	L0001588	,	L0001589	,	L0001590	,	L0001591	,	L0001592	,	L0001593	,	L0001594	,
	L0001595	,	L0001596	,	L0001597	,	L0001598	,	L0001599	,	L0001600	,	L0001601	,	L0001602	,
	L0001603	,	L0001604	,	L0001605	,	L0001606	,	L0001607	,	L0001608	,	L0001609	,	L0001610	,
	L0001611	,	L0001612	,	L0001613	,	L0001614	,	L0001615	,	L0001616	,	L0001617	,	L0001618	,
	L0001619	,	L0001620	,	L0001621	,	L0001622	,	L0001623	,	L0001624	,	L0001625	,	L0001626	,
	L0001627	,	L0001628	,	L0001629	,	L0001630	,	L0001631	,	L0001632	,	L0001633	,	L0001634	,
	L0001635	,	L0001636	,	L0001637	,	L0001638	,	L0001639	,	L0001640	,	L0001641	,	L0001642	,
	L0001643	,	L0001644	,	L0001645	,	L0001646	,	L0001647	,	L0001648	,	L0001649	,	L0001650	,
	L0001651	,	L0001652	,	L0001653	,	L0001654	,	L0001655	,	L0001656	,	L0001657	,	L0001658	,
	L0001659	,	L0001660	,	L0001661	,	L0001662	,	L0001663	,	L0001664	,	L0001665	,	L0001666	,
	L0001667	,	L0001668	,	L0001669	,	L0001670	,	L0001671	,	L0001672	,	L0001673	,	L0001674	,
	L0001675	,	L0001676	,	L0001677	,	L0001678	,	L0001679	,	L0001680	,	L0001681	,	L0001682	,
	L0001683	,	L0001684	,	L0001685	,	L0001686	,	L0001687	,	L0001688	,	L0001689	,	L0001690	,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

L0001691	,	L0001692	,	L0001693	,	L0001694	,	L0001695	,	L0001696	,	L0001697	,	L0001698	,
L0001699	,	L0001700	,	L0001701	,	L0001702	,	L0001703	,	L0001704	,	L0002076	,	L0002077	,
L0002078	,	L0002079	,	L0002080	,	L0002081	,	L0002082	,	L0002083	,	L0002084	,	L0002085	,
L0002086	,	L0002087	,	L0002088	,	L0002089	,	L0002090	,	L0002091	,	L0002092	,	L0002093	,
L0002094	,	L0002095	,	L0002096	,	L0002097	,	L0002098	,	L0002099	,	L0002100	,	L0002101	,
L0002102	,	L0002103	,	L0002104	,	L0002105	,	L0002106	,	L0002107	,	L0002108	,	L0002109	,
L0002110	,	L0002111	,	L0002112	,	L0002113	,	L0002114	,	L0002115	,	L0002116	,	L0002117	,
L0002118	,	L0002119	,	L0002120	,	L0002121	,	L0002122	,	L0002123	,	L0002124	,	L0002125	,
L0002126	,	L0002127	,	L0002128	,	L0002129	,	L0002130	,	L0002131	,	L0002132	,	L0002133	,
L0002134	,	L0002135	,	L0002136	,	L0002137	,	L0002138	,	L0002139	,	L0002140	,	L0002141	,
L0002142	,	L0002143	,	L0002144	,	L0002145	,	L0002146	,	L0002147	,	L0002148	,	L0002149	,
L0002150	,	L0002151	,	L0002152	,	L0002153	,	L0002154	,	L0002155	,	L0002156	,	L0002157	,
L0002158	,	L0002159	,	L0002160	,	L0002161	,	L0002162	,	L0002163	,	L0002164	,	L0002165	,
L0002166	,	L0002167	,	L0002168	,	L0002169	,	L0002170	,	L0002171	,	L0002172	,	L0002173	,
L0002174	,	L0002175	,	L0002176	,	L0002177	,	L0002178	,	L0002179	,	L0002180	,	L0002181	,
L0002182	,	L0002183	,	L0002184	,	L0002185	,	L0002186	,	L0002187	,	L0002188	,	L0002189	,
L0002190	,	L0002191	,	L0002192	,	L0002193	,	L0002194	,	L0002195	,	L0002196	,	L0002197	,
L0002198	,	L0002199	,	L0002200	,	L0002201	,	L0002202	,	L0002203	,	L0002204	,	L0002205	,
L0002206	,	L0002207	,	L0002208	,	L0002209	,	L0002210	,	L0002211	,	L0002212	,	L0002213	,
L0002214	,	L0002215	,	L0002216	,	L0002217	,	L0002218	,	L0002219	,	L0002220	,	L0002221	,

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs														
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L0002222	,	L0002223	,	L0002224	,	L0002225	,	L0002226	,	L0002227	,	L0002228	,	L0002229	,
L0002230	,	L0002231	,	L0002232	,	L0002233	,	L0002234	,	L0002235	,	L0002236	,	L0002237	,
L0002238	,	L0002239	,	L0002240	,	L0002241	,	L0002242	,	L0002243	,	L0002244	,	L0002245	,
L0002246	,	L0002247	,	L0002248	,	L0002249	,	L0002250	,	L0002251	,	L0002252	,	L0002253	,
L0002254	,	L0002255	,	L0002256	,	L0002257	,	L0002258	,	L0002259	,	L0002260	,	L0002261	,
L0002262	,	L0002263	,	L0002264	,	L0002265	,	L0002266	,	L0002267	,	L0002268	,	L0002269	,
L0002270	,	L0002271	,	L0002272	,	L0002273	,	L0002274	,	L0002275	,	L0002276	,	L0002277	,
L0002278	,	L0002279	,	L0002280	,	L0002281	,	L0002282	,	L0002283	,	L0002284	,	L0002285	,
L0002286	,	L0002287	,	L0002288	,	L0002289	,	L0002290	,	L0002291	,	L0002292	,	L0002293	,
L0002294	,	L0002295	,												

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs								
-----	-----	-----								
L0001538	2189641.	L0001531	, L0001532	, L0001533	, L0001534	, L0001535	, L0001536	, L0001537	,	
	,	L0001539	, L0001540	, L0001541	, L0001542	, L0001543	, L0001544	, L0001545	, L0001546	,
	L0001547	, L0001548	, L0001549	, L0001550	, L0001551	, L0001552	, L0001553	, L0001554	,	
	L0001555	, L0001556	, L0001557	, L0001558	, L0001559	, L0001560	, L0001561	, L0001562	,	
	L0001563	, L0001564	, L0001565	, L0001566	, L0001567	, L0001568	, L0001569	, L0001570	,	
	L0001571	, L0001572	, L0001573	, L0001574	, L0001575	, L0001576	, L0001577	, L0001578	,	
	L0001579	, L0001580	, L0001581	, L0001582	, L0001583	, L0001584	, L0001585	, L0001586	,	
	L0001587	, L0001588	, L0001589	, L0001590	, L0001591	, L0001592	, L0001593	, L0001594	,	
	L0001595	, L0001596	, L0001597	, L0001598	, L0001599	, L0001600	, L0001601	, L0001602	,	
	L0001603	, L0001604	, L0001605	, L0001606	, L0001607	, L0001608	, L0001609	, L0001610	,	
	L0001611	, L0001612	, L0001613	, L0001614	, L0001615	, L0001616	, L0001617	, L0001618	,	
	L0001619	, L0001620	, L0001621	, L0001622	, L0001623	, L0001624	, L0001625	, L0001626	,	
	L0001627	, L0001628	, L0001629	, L0001630	, L0001631	, L0001632	, L0001633	, L0001634	,	
	L0001635	, L0001636	, L0001637	, L0001638	, L0001639	, L0001640	, L0001641	, L0001642	,	
	L0001643	, L0001644	, L0001645	, L0001646	, L0001647	, L0001648	, L0001649	, L0001650	,	
	L0001651	, L0001652	, L0001653	, L0001654	, L0001655	, L0001656	, L0001657	, L0001658	,	
	L0001659	, L0001660	, L0001661	, L0001662	, L0001663	, L0001664	, L0001665	, L0001666	,	
	L0001667	, L0001668	, L0001669	, L0001670	, L0001671	, L0001672	, L0001673	, L0001674	,	
	L0001675	, L0001676	, L0001677	, L0001678	, L0001679	, L0001680	, L0001681	, L0001682	,	
	L0001683	, L0001684	, L0001685	, L0001686	, L0001687	, L0001688	, L0001689	, L0001690	,	

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs							
-----	-----	-----							
L0001691		, L0001692	, L0001693	, L0001694	, L0001695	, L0001696	, L0001697	, L0001698	,
L0001699		, L0001700	, L0001701	, L0001702	, L0001703	, L0001704	, L0002076	, L0002077	,
L0002078		, L0002079	, L0002080	, L0002081	, L0002082	, L0002083	, L0002084	, L0002085	,
L0002086		, L0002087	, L0002088	, L0002089	, L0002090	, L0002091	, L0002092	, L0002093	,
L0002094		, L0002095	, L0002096	, L0002097	, L0002098	, L0002099	, L0002100	, L0002101	,
L0002102		, L0002103	, L0002104	, L0002105	, L0002106	, L0002107	, L0002108	, L0002109	,
L0002110		, L0002111	, L0002112	, L0002113	, L0002114	, L0002115	, L0002116	, L0002117	,
L0002118		, L0002119	, L0002120	, L0002121	, L0002122	, L0002123	, L0002124	, L0002125	,
L0002126		, L0002127	, L0002128	, L0002129	, L0002130	, L0002131	, L0002132	, L0002133	,
L0002134		, L0002135	, L0002136	, L0002137	, L0002138	, L0002139	, L0002140	, L0002141	,
L0002142		, L0002143	, L0002144	, L0002145	, L0002146	, L0002147	, L0002148	, L0002149	,
L0002150		, L0002151	, L0002152	, L0002153	, L0002154	, L0002155	, L0002156	, L0002157	,
L0002158		, L0002159	, L0002160	, L0002161	, L0002162	, L0002163	, L0002164	, L0002165	,
L0002166		, L0002167	, L0002168	, L0002169	, L0002170	, L0002171	, L0002172	, L0002173	,
L0002174		, L0002175	, L0002176	, L0002177	, L0002178	, L0002179	, L0002180	, L0002181	,
L0002182		, L0002183	, L0002184	, L0002185	, L0002186	, L0002187	, L0002188	, L0002189	,
L0002190		, L0002191	, L0002192	, L0002193	, L0002194	, L0002195	, L0002196	, L0002197	,
L0002198		, L0002199	, L0002200	, L0002201	, L0002202	, L0002203	, L0002204	, L0002205	,
L0002206		, L0002207	, L0002208	, L0002209	, L0002210	, L0002211	, L0002212	, L0002213	,
L0002214		, L0002215	, L0002216	, L0002217	, L0002218	, L0002219	, L0002220	, L0002221	,

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB1

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

URBAN ID -----	URBAN POP -----	SOURCE IDs -----
L0002222	,	L0002223 , L0002224 , L0002225 , L0002226 , L0002227 , L0002228 , L0002229 ,
L0002230	,	L0002231 , L0002232 , L0002233 , L0002234 , L0002235 , L0002236 , L0002237 ,
L0002238	,	L0002239 , L0002240 , L0002241 , L0002242 , L0002243 , L0002244 , L0002245 ,
L0002246	,	L0002247 , L0002248 , L0002249 , L0002250 , L0002251 , L0002252 , L0002253 ,
L0002254	,	L0002255 , L0002256 , L0002257 , L0002258 , L0002259 , L0002260 , L0002261 ,
L0002262	,	L0002263 , L0002264 , L0002265 , L0002266 , L0002267 , L0002268 , L0002269 ,
L0002270	,	L0002271 , L0002272 , L0002273 , L0002274 , L0002275 , L0002276 , L0002277 ,
L0002278	,	L0002279 , L0002280 , L0002281 , L0002282 , L0002283 , L0002284 , L0002285 ,
L0002286	,	L0002287 , L0002288 , L0002289 , L0002290 , L0002291 , L0002292 , L0002293 ,
L0002294	,	L0002295 ,

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
*** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB1

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

475874.8, 475924.8, 475974.8, 476024.8, 476074.8, 476124.8, 476174.8, 476224.8, 476274.8, 476324.8,
476374.8, 476424.8, 476474.8, 476524.8, 476574.8, 476624.8, 476674.8, 476724.8, 476774.8, 476824.8,
476874.8, 476924.8, 476974.8, 477024.8, 477074.8, 477124.8, 477174.8, 477224.8, 477274.8, 477324.8,
477374.8, 477424.8, 477474.8,

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

3745761.5, 3745811.5, 3745861.5, 3745911.5, 3745961.5, 3746011.5, 3746061.5, 3746111.5, 3746161.5, 3746211.5,
3746261.5, 3746311.5, 3746361.5, 3746411.5, 3746461.5, 3746511.5, 3746561.5, 3746611.5, 3746661.5, 3746711.5,
3746761.5, 3746811.5, 3746861.5, 3746911.5, 3746961.5, 3747011.5, 3747061.5,

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB1

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***
 * ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	475874.83	475924.83	475974.83	476024.83	476074.83	476124.83	476174.83	476224.83	476274.83
3747061.50	463.70	462.50	462.70	460.80	459.50	458.90	458.70	458.30	458.00
3747011.50	463.90	464.60	463.40	462.80	459.90	459.40	458.90	458.70	458.10
3746961.50	465.10	468.70	463.60	467.40	464.50	462.40	460.60	459.60	458.60
3746911.50	464.30	467.90	464.30	466.30	464.10	461.70	460.40	459.50	458.50
3746861.50	463.50	463.20	464.90	464.50	462.70	460.10	459.70	459.30	458.30
3746811.50	463.60	462.30	463.40	464.40	463.30	460.20	459.70	459.20	458.40
3746761.50	463.10	462.30	462.00	464.10	463.80	460.40	459.80	459.30	458.60
3746711.50	463.50	462.70	462.10	463.00	464.20	460.80	459.90	459.40	458.80
3746661.50	464.70	463.90	463.10	462.80	464.00	461.60	460.10	459.60	459.00
3746611.50	465.20	464.10	463.80	463.20	463.30	462.40	460.30	459.80	459.40
3746561.50	465.30	464.70	464.10	463.70	463.00	462.70	460.90	460.50	460.10
3746511.50	465.30	465.00	464.70	464.10	463.10	462.70	461.80	460.90	460.30
3746461.50	466.00	465.30	464.80	464.00	463.20	462.60	462.20	461.20	460.70
3746411.50	466.20	465.40	464.60	463.80	463.20	462.70	462.60	461.60	461.00
3746361.50	466.20	465.30	464.60	464.00	463.50	463.00	462.70	462.00	461.00
3746311.50	466.30	465.60	465.00	464.50	463.90	463.30	462.60	462.20	460.90
3746261.50	466.40	465.70	465.10	464.50	463.90	463.30	462.60	462.20	461.10
3746211.50	466.60	465.90	465.20	464.50	463.80	463.20	462.60	462.00	461.40
3746161.50	466.20	465.20	464.60	464.20	463.60	463.10	462.60	461.90	461.40
3746111.50	464.70	463.90	463.60	463.50	463.30	463.10	462.50	461.80	461.30
3746061.50	464.80	464.50	464.00	463.80	463.90	463.80	462.90	461.50	461.10
3746011.50	465.10	464.70	464.00	463.80	463.90	463.80	463.00	461.40	461.20
3745961.50	465.30	464.60	464.00	463.80	463.80	463.80	463.00	461.50	461.10
3745911.50	465.20	464.20	463.80	463.70	463.70	463.60	462.90	461.30	460.10
3745861.50	465.00	463.80	463.30	463.20	462.70	462.10	461.60	461.00	459.40
3745811.50	465.20	464.00	463.50	463.60	464.50	463.00	461.50	461.00	459.20
3745761.50	465.40	464.40	463.50	463.70	463.50	462.60	462.10	461.70	460.80

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB1

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	476324.83	476374.83	476424.83	476474.83	476524.83	476574.83	476624.83	476674.83	476724.83
3747061.50	457.90	457.50	457.00	456.20	455.80	455.30	455.20	454.80	454.50
3747011.50	458.10	457.80	457.10	456.50	456.00	455.20	455.40	455.00	454.50
3746961.50	458.30	457.70	457.20	456.60	456.20	455.90	455.70	455.10	454.70
3746911.50	457.70	458.30	457.30	456.60	456.30	455.90	455.70	455.20	454.70
3746861.50	457.00	456.40	458.30	456.60	456.10	455.90	455.70	455.30	454.60
3746811.50	457.50	456.80	457.80	457.20	456.40	456.20	455.90	455.40	454.90
3746761.50	458.10	458.10	457.70	457.70	456.80	456.40	456.10	455.70	455.20
3746711.50	458.30	458.50	458.10	457.60	457.10	456.60	456.20	456.00	455.40
3746661.50	458.50	458.50	458.30	457.60	457.00	456.70	456.20	455.80	455.30
3746611.50	459.00	459.00	458.90	457.90	456.90	456.60	456.30	455.60	455.30
3746561.50	459.60	459.30	459.00	458.10	457.30	456.60	456.00	455.60	455.20
3746511.50	459.80	459.30	458.70	458.10	457.50	456.90	456.30	455.80	455.40
3746461.50	460.10	459.50	458.90	458.20	457.60	456.90	456.40	456.00	455.50
3746411.50	460.30	459.60	459.00	458.40	457.80	457.20	456.60	456.00	455.70
3746361.50	460.40	459.80	459.20	458.60	457.90	457.30	456.80	456.10	455.70
3746311.50	460.30	459.80	459.20	458.60	458.00	457.50	456.90	456.20	455.70
3746261.50	460.40	459.90	459.20	458.60	458.00	457.60	457.10	456.30	455.80
3746211.50	460.60	460.20	459.30	458.70	458.20	457.70	457.10	456.40	455.90
3746161.50	460.40	459.80	459.20	458.60	458.00	457.50	457.20	456.50	456.00
3746111.50	460.40	459.60	459.00	458.50	458.10	457.70	457.40	456.70	456.30
3746061.50	460.50	459.50	459.00	458.60	458.20	457.80	457.60	456.90	456.30
3746011.50	460.80	459.50	459.10	458.60	458.30	457.90	457.60	456.60	455.30
3745961.50	460.90	459.60	459.20	458.60	458.20	457.70	457.60	456.40	455.50
3745911.50	460.90	460.30	459.50	458.90	458.30	457.60	457.60	456.40	455.60
3745861.50	460.90	460.80	459.50	459.00	458.40	457.60	457.30	456.40	455.30
3745811.50	460.70	460.90	459.60	459.00	458.40	457.70	457.30	456.10	455.10
3745761.50	461.00	460.70	460.00	459.10	458.40	457.80	457.30	456.20	455.70

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	476774.83	476824.83	476874.83	476924.83	476974.83	477024.83	477074.83	477124.83	477174.83
3747061.50	454.20	453.90	453.30	452.40	451.40	452.50	453.50	453.70	453.30
3747011.50	454.20	453.80	453.50	452.90	451.60	451.40	452.80	453.50	453.40
3746961.50	454.30	454.00	453.60	453.10	452.30	451.00	451.80	453.00	453.40
3746911.50	454.50	454.30	453.80	453.20	452.60	451.50	450.90	452.20	452.70
3746861.50	454.30	454.00	453.60	453.00	452.70	452.10	450.90	451.30	451.60
3746811.50	454.50	454.00	453.50	453.10	452.70	452.40	451.70	450.80	451.30
3746761.50	454.70	454.20	453.70	453.20	452.80	452.40	451.80	451.40	451.00
3746711.50	455.30	454.60	453.70	453.30	452.80	452.40	451.90	451.40	450.70
3746661.50	455.10	454.40	453.60	453.20	452.70	452.30	451.80	451.30	450.90
3746611.50	454.90	454.30	453.70	453.20	452.70	452.20	451.80	451.40	451.00
3746561.50	454.70	454.30	453.80	453.30	452.90	452.40	452.00	451.50	451.10
3746511.50	454.80	454.30	453.90	453.40	452.90	452.50	452.00	451.60	451.10
3746461.50	454.90	454.40	453.90	453.40	452.90	452.50	452.00	451.60	451.30
3746411.50	454.90	454.30	453.80	453.30	453.00	452.60	452.20	451.90	451.50
3746361.50	455.00	454.40	453.90	453.40	453.10	452.90	452.50	452.20	451.80
3746311.50	455.10	454.60	454.20	453.80	453.40	453.10	452.80	452.30	451.90
3746261.50	455.30	454.90	454.40	454.00	453.60	453.20	452.90	452.40	452.00
3746211.50	455.50	455.10	454.60	454.20	453.80	453.40	453.00	452.60	452.10
3746161.50	455.70	455.30	454.80	454.40	454.00	453.50	453.00	452.60	452.10
3746111.50	455.90	455.50	455.00	454.50	454.20	453.50	453.00	452.60	452.20
3746061.50	455.90	455.40	454.90	454.40	454.10	453.50	453.10	452.70	452.30
3746011.50	454.80	454.40	453.90	453.30	453.00	453.20	453.10	452.80	452.40
3745961.50	454.90	454.40	454.10	453.90	453.60	453.30	453.00	452.60	452.30
3745911.50	454.90	454.40	454.10	453.90	453.60	453.30	453.00	452.50	452.20
3745861.50	454.80	454.40	454.10	453.90	453.60	453.30	452.90	452.50	452.20
3745811.50	454.70	454.50	454.20	453.70	453.20	453.00	452.70	452.90	452.70
3745761.50	455.40	455.00	454.70	454.30	453.80	453.50	453.10	452.90	452.70

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB1

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	476774.83	476824.83	476874.83	476924.83	476974.83	477024.83	477074.83	477124.83	477174.83
3747061.50	454.20	453.90	453.30	452.40	451.40	452.50	453.50	453.70	453.30
3747011.50	454.20	453.80	453.50	452.90	451.60	451.40	452.80	453.50	453.40
3746961.50	454.30	454.00	453.60	453.10	452.30	451.00	451.80	453.00	453.40
3746911.50	454.50	454.30	453.80	453.20	452.60	451.50	450.90	452.20	452.70
3746861.50	454.30	454.00	453.60	453.00	452.70	452.10	450.90	451.30	451.60
3746811.50	454.50	454.00	453.50	453.10	452.70	452.40	451.70	450.80	451.30
3746761.50	454.70	454.20	453.70	453.20	452.80	452.40	451.80	451.40	451.00
3746711.50	455.30	454.60	453.70	453.30	452.80	452.40	451.90	451.40	450.70
3746661.50	455.10	454.40	453.60	453.20	452.70	452.30	451.80	451.30	450.90
3746611.50	454.90	454.30	453.70	453.20	452.70	452.20	451.80	451.40	451.00
3746561.50	454.70	454.30	453.80	453.30	452.90	452.40	452.00	451.50	451.10
3746511.50	454.80	454.30	453.90	453.40	452.90	452.50	452.00	451.60	451.10
3746461.50	454.90	454.40	453.90	453.40	452.90	452.50	452.00	451.60	451.30
3746411.50	454.90	454.30	453.80	453.30	453.00	452.60	452.20	451.90	451.50
3746361.50	455.00	454.40	453.90	453.40	453.10	452.90	452.50	452.20	451.80
3746311.50	455.10	454.60	454.20	453.80	453.40	453.10	452.80	452.30	451.90
3746261.50	455.30	454.90	454.40	454.00	453.60	453.20	452.90	452.40	452.00
3746211.50	455.50	455.10	454.60	454.20	453.80	453.40	453.00	452.60	452.10
3746161.50	455.70	455.30	454.80	454.40	454.00	453.50	453.00	452.60	452.10
3746111.50	455.90	455.50	455.00	454.50	454.20	453.50	453.00	452.60	452.20
3746061.50	455.90	455.40	454.90	454.40	454.10	453.50	453.10	452.70	452.30
3746011.50	454.80	454.40	453.90	453.30	453.00	453.20	453.10	452.80	452.40
3745961.50	454.90	454.40	454.10	453.90	453.60	453.30	453.00	452.60	452.30
3745911.50	454.90	454.40	454.10	453.90	453.60	453.30	453.00	452.50	452.20
3745861.50	454.80	454.40	454.10	453.90	453.60	453.30	452.90	452.50	452.20
3745811.50	454.70	454.50	454.20	453.70	453.20	453.00	452.70	452.90	452.70
3745761.50	455.40	455.00	454.70	454.30	453.80	453.50	453.10	452.90	452.70

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB1

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	477224.83	477274.83	477324.83	477374.83	477424.83	477474.83
3747061.50	452.00	451.00	450.60	450.80	450.70	450.50
3747011.50	452.60	451.40	450.60	450.60	450.70	450.30
3746961.50	452.80	451.60	451.10	450.90	450.70	450.30
3746911.50	452.10	451.40	451.20	451.00	450.70	450.30
3746861.50	451.60	451.30	451.10	450.80	450.50	450.30
3746811.50	451.30	451.10	450.90	450.70	450.40	450.20
3746761.50	451.00	450.90	450.80	450.50	450.20	450.00
3746711.50	450.80	450.70	450.50	450.30	450.00	449.80
3746661.50	450.40	450.40	450.30	450.20	449.80	449.60
3746611.50	450.50	450.20	450.10	449.90	449.60	449.40
3746561.50	450.70	450.30	449.80	449.50	449.30	448.30
3746511.50	450.80	450.50	450.20	450.00	449.60	449.50
3746461.50	450.80	450.40	450.30	450.00	449.80	449.50
3746411.50	451.20	450.70	450.10	449.90	449.90	449.40
3746361.50	451.40	451.00	450.50	449.90	449.80	449.40
3746311.50	451.40	451.00	450.50	450.10	449.70	449.50
3746261.50	451.50	451.10	450.70	450.20	449.80	449.70
3746211.50	451.70	451.20	450.80	450.40	449.90	449.60
3746161.50	451.70	451.40	451.00	450.60	450.20	449.70
3746111.50	451.80	451.50	451.10	450.70	450.30	449.80
3746061.50	451.80	451.40	451.10	450.70	450.30	449.80
3746011.50	451.90	451.50	451.10	450.70	450.20	449.80
3745961.50	451.90	451.40	451.00	450.70	450.30	449.90
3745911.50	450.90	451.10	451.10	450.70	450.40	450.10
3745861.50	450.80	451.00	451.30	450.80	450.50	450.20
3745811.50	450.90	451.10	451.30	450.90	450.70	450.50
3745761.50	451.90	451.70	451.50	451.20	450.90	450.60

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
*** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB1

*** 01/26/22
*** 21:12:23
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

(476626.2, 3746355.7,	456.8,	456.8,	0.0);	(477039.0, 3746208.7,	453.4,	453.4,	0.0);
(477072.9, 3746156.0,	453.0,	453.0,	0.0);	(476626.4, 3746197.4,	457.1,	457.1,	0.0);
(476701.9, 3746456.7,	455.7,	455.7,	0.0);	(476916.7, 3746454.7,	453.5,	453.5,	0.0);
(476963.6, 3746058.0,	454.0,	454.0,	0.0);	(476619.8, 3746545.9,	456.1,	456.1,	0.0);

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB1

*** 01/26/22
 *** 21:12:23
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*** 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 --		DISTANCE (METERS)
	XR (METERS)	YR (METERS)	
L0001576	476624.8	3746561.5	0.54
L0001577	476624.8	3746561.5	-5.65
L0001578	476624.8	3746561.5	0.42
L0001590	476524.8	3746611.5	-0.52
L0001608	476474.8	3746761.5	-6.21
L0001609	476474.8	3746761.5	-1.86
L0001643	476274.8	3746961.5	-0.56
L0001644	476274.8	3746961.5	-5.77
L0001676	476674.8	3746161.5	-2.81
L0001677	476674.8	3746161.5	-2.02
L0001701	476674.8	3746361.5	-0.17
L0001702	476674.8	3746361.5	-2.90
L0002129	476724.8	3746061.5	0.68
L0002192	476974.8	3746411.5	-3.40
L0002193	476974.8	3746411.5	-3.93

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance *** 01/26/22
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB1 *** 21:12:23
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: ..\..\PerrisADJU (1)\PERI_V9_ADJU\PERI_v9.SFC Met Version: 16216
 Profile file: ..\..\PerrisADJU (1)\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: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001531 , L0001532 , L0001533 , L0001534 , L0001535 ,
L0001536 , L0001537 , L0001538 , L0001539 , L0001540 , L0001541 , L0001542 , L0001543 ,
L0001544 , L0001545 , L0001546 , L0001547 , L0001548 , L0001549 , L0001550 , L0001551 ,
L0001552 , L0001553 , L0001554 , L0001555 , L0001556 , L0001557 , L0001558 , . . .

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

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

Y-COORD (METERS)	475874.83	475924.83	475974.83	X-COORD (METERS)		476124.83	476174.83	476224.83	476274.83
3747061.50	0.00016	0.00018	0.00022	0.00026	0.00031	0.00034	0.00037	0.00039	0.00040
3747011.50	0.00017	0.00020	0.00025	0.00035	0.00045	0.00052	0.00057	0.00061	0.00063
3746961.50	0.00017	0.00020	0.00029	0.00076	0.00148	0.00166	0.00179	0.00193	0.00147
3746911.50	0.00018	0.00021	0.00028	0.00046	0.00070	0.00078	0.00083	0.00085	0.00087
3746861.50	0.00018	0.00021	0.00025	0.00032	0.00040	0.00046	0.00051	0.00054	0.00059
3746811.50	0.00018	0.00020	0.00023	0.00027	0.00032	0.00037	0.00041	0.00045	0.00050
3746761.50	0.00018	0.00020	0.00022	0.00025	0.00028	0.00033	0.00037	0.00041	0.00046
3746711.50	0.00017	0.00019	0.00022	0.00024	0.00026	0.00031	0.00035	0.00039	0.00044
3746661.50	0.00017	0.00019	0.00021	0.00023	0.00026	0.00029	0.00034	0.00038	0.00043
3746611.50	0.00017	0.00019	0.00021	0.00023	0.00025	0.00029	0.00033	0.00037	0.00043
3746561.50	0.00017	0.00018	0.00020	0.00023	0.00025	0.00028	0.00033	0.00037	0.00043
3746511.50	0.00017	0.00018	0.00020	0.00022	0.00025	0.00028	0.00032	0.00037	0.00043
3746461.50	0.00016	0.00018	0.00020	0.00022	0.00025	0.00028	0.00032	0.00037	0.00043
3746411.50	0.00016	0.00018	0.00020	0.00022	0.00025	0.00028	0.00032	0.00037	0.00043
3746361.50	0.00016	0.00018	0.00020	0.00022	0.00025	0.00028	0.00032	0.00036	0.00043
3746311.50	0.00016	0.00018	0.00020	0.00022	0.00025	0.00028	0.00032	0.00036	0.00043
3746261.50	0.00016	0.00017	0.00019	0.00022	0.00024	0.00027	0.00031	0.00036	0.00042
3746211.50	0.00016	0.00017	0.00019	0.00021	0.00024	0.00027	0.00031	0.00035	0.00041
3746161.50	0.00015	0.00017	0.00019	0.00021	0.00024	0.00027	0.00030	0.00035	0.00040
3746111.50	0.00016	0.00017	0.00019	0.00021	0.00023	0.00026	0.00029	0.00034	0.00039
3746061.50	0.00015	0.00017	0.00018	0.00020	0.00022	0.00025	0.00028	0.00033	0.00037
3746011.50	0.00015	0.00016	0.00018	0.00020	0.00022	0.00024	0.00027	0.00031	0.00035
3745961.50	0.00014	0.00016	0.00017	0.00019	0.00021	0.00023	0.00026	0.00030	0.00034
3745911.50	0.00014	0.00016	0.00017	0.00018	0.00020	0.00022	0.00025	0.00028	0.00032
3745861.50	0.00014	0.00015	0.00017	0.00018	0.00020	0.00022	0.00024	0.00027	0.00030
3745811.50	0.00013	0.00015	0.00016	0.00017	0.00018	0.00020	0.00023	0.00025	0.00028
3745761.50	0.00013	0.00014	0.00015	0.00016	0.00018	0.00019	0.00021	0.00023	0.00026

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance *** 01/26/22
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB1 *** 21:12:23
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001531 , L0001532 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540 , L0001541 , L0001542 , L0001543 ,
 L0001544 , L0001545 , L0001546 , L0001547 , L0001548 , L0001549 , L0001550 , L0001551 ,
 L0001552 , L0001553 , L0001554 , L0001555 , L0001556 , L0001557 , L0001558 , . . .

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

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

Y-COORD (METERS)	476774.83	476824.83	476874.83	X-COORD (METERS)					
				476924.83	476974.83	477024.83	477074.83	477124.83	477174.83
3747061.50	0.00029	0.00028	0.00027	0.00027	0.00026	0.00025	0.00024	0.00023	0.00022
3747011.50	0.00032	0.00031	0.00030	0.00029	0.00028	0.00027	0.00026	0.00025	0.00024
3746961.50	0.00035	0.00035	0.00034	0.00033	0.00032	0.00030	0.00029	0.00028	0.00026
3746911.50	0.00040	0.00039	0.00038	0.00037	0.00035	0.00034	0.00032	0.00031	0.00029
3746861.50	0.00045	0.00044	0.00043	0.00042	0.00040	0.00038	0.00036	0.00034	0.00032
3746811.50	0.00052	0.00051	0.00049	0.00048	0.00046	0.00043	0.00041	0.00038	0.00036
3746761.50	0.00060	0.00059	0.00057	0.00055	0.00053	0.00050	0.00047	0.00043	0.00040
3746711.50	0.00071	0.00069	0.00068	0.00065	0.00062	0.00058	0.00054	0.00049	0.00045
3746661.50	0.00085	0.00084	0.00082	0.00079	0.00074	0.00069	0.00063	0.00057	0.00051
3746611.50	0.00105	0.00104	0.00102	0.00098	0.00092	0.00084	0.00075	0.00066	0.00058
3746561.50	0.00135	0.00134	0.00132	0.00128	0.00119	0.00106	0.00091	0.00078	0.00067
3746511.50	0.00185	0.00185	0.00186	0.00183	0.00167	0.00140	0.00114	0.00093	0.00077
3746461.50	0.00329	0.00325	0.00334	0.00349	0.00286	0.00198	0.00146	0.00112	0.00089
3746411.50	0.00384	0.00356	0.00384	0.00508	0.00594	0.00300	0.00187	0.00133	0.00101
3746361.50	0.00509	0.00367	0.00417	0.00851	0.01404	0.00431	0.00231	0.00154	0.00112
3746311.50	0.00681	0.00418	0.00475	0.01015	0.01644	0.00520	0.00267	0.00170	0.00121
3746261.50	0.00742	0.00451	0.00505	0.01063	0.01697	0.00561	0.00288	0.00181	0.00126
3746211.50	0.00742	0.00452	0.00506	0.01067	0.01696	0.00567	0.00293	0.00184	0.00128
3746161.50	0.00675	0.00422	0.00479	0.01028	0.01645	0.00541	0.00280	0.00178	0.00125
3746111.50	0.00490	0.00378	0.00431	0.00888	0.01448	0.00466	0.00250	0.00164	0.00118
3746061.50	0.00410	0.00398	0.00428	0.00561	0.00652	0.00336	0.00208	0.00146	0.00108
3746011.50	0.00210	0.00220	0.00234	0.00257	0.00264	0.00220	0.00165	0.00125	0.00097
3745961.50	0.00147	0.00156	0.00163	0.00168	0.00168	0.00154	0.00130	0.00106	0.00086
3745911.50	0.00111	0.00117	0.00122	0.00124	0.00122	0.00115	0.00104	0.00090	0.00076
3745861.50	0.00087	0.00092	0.00095	0.00096	0.00095	0.00091	0.00085	0.00076	0.00067
3745811.50	0.00071	0.00074	0.00077	0.00077	0.00077	0.00074	0.00070	0.00065	0.00059
3745761.50	0.00059	0.00062	0.00063	0.00064	0.00064	0.00062	0.00060	0.00056	0.00052


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*** AERMOD - VERSION 19191 ***    *** Duke Warehouse at Patterson and Nance    ***    01/26/22
*** AERMET - VERSION 16216 ***    *** Project Only DPM Concentration (2023) - AB1    ***    21:12:23
*** MODELPTS:      RegDFault  CONC  ELEV  URBAN  ADJ_U*    ***    PAGE 35

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*** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION  VALUES FOR SOURCE GROUP: ALL    ***
      INCLUDING SOURCE(S):      L0001531 , L0001532 , L0001533 , L0001534 , L0001535 ,
L0001536 , L0001537 , L0001538 , L0001539 , L0001540 , L0001541 , L0001542 , L0001543 ,
L0001544 , L0001545 , L0001546 , L0001547 , L0001548 , L0001549 , L0001550 , L0001551 ,
L0001552 , L0001553 , L0001554 , L0001555 , L0001556 , L0001557 , L0001558 , . . .

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*** 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	X-COORD (M)	Y-COORD (M)	CONC
476626.18	3746355.71	0.00354	477038.97	3746208.74	0.00455			
477072.88	3746155.99	0.00283	476626.41	3746197.44	0.00377			
476701.86	3746456.71	0.00387	476916.72	3746454.73	0.00409			
476963.62	3746058.03	0.00623	476619.81	3746545.95	0.00301			

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB1

*** 01/26/22
 *** 21:12:23
 *** PAGE 36

*** 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	0.01734 AT (476724.83, 3746261.50, 455.80, 455.80, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.01715 AT (476724.83, 3746211.50, 455.90, 455.90, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.01697 AT (476974.83, 3746261.50, 453.60, 453.60, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.01696 AT (476974.83, 3746211.50, 453.80, 453.80, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.01682 AT (476724.83, 3746311.50, 455.70, 455.70, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.01645 AT (476974.83, 3746161.50, 454.00, 454.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.01644 AT (476974.83, 3746311.50, 453.40, 453.40, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.01598 AT (476724.83, 3746161.50, 456.00, 456.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.01448 AT (476974.83, 3746111.50, 454.20, 454.20, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.01404 AT (476974.83, 3746361.50, 453.10, 453.10, 0.00)	GC	UCART1

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

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
*** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB1

*** 01/26/22
*** 21:12:23
*** PAGE 37

*** 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 1027 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1027 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: 1/27/2022
** File: C:\Users\monicat\Desktop\Duke N\ProjAB2\ProjAB2.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE Duke Warehouse at Patterson and Nance
  TITLETWO Project Only DPM Concentration (2023) - AB2
  MODELOPT DFAULT CONC
  AVERTIME PERIOD
  URBANOPT 2189641 Riverside_County
  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 Patterson Avenue B/n South Driveway and North Driveway
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.723E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 476636.197, 3746161.919, 457.18, 3.49, 4.00
** 476637.971, 3746438.456, 456.40, 3.49, 4.00
** -----
  LOCATION L0002296      VOLUME  476636.224 3746166.214 457.11

```

LOCATION	L0002297	VOLUME	476636.279	3746174.804	457.08
LOCATION	L0002298	VOLUME	476636.334	3746183.393	457.04
LOCATION	L0002299	VOLUME	476636.390	3746191.983	457.02
LOCATION	L0002300	VOLUME	476636.445	3746200.573	456.99
LOCATION	L0002301	VOLUME	476636.500	3746209.163	456.97
LOCATION	L0002302	VOLUME	476636.555	3746217.753	456.95
LOCATION	L0002303	VOLUME	476636.610	3746226.343	456.93
LOCATION	L0002304	VOLUME	476636.665	3746234.932	456.92
LOCATION	L0002305	VOLUME	476636.720	3746243.522	456.91
LOCATION	L0002306	VOLUME	476636.775	3746252.112	456.90
LOCATION	L0002307	VOLUME	476636.831	3746260.702	456.90
LOCATION	L0002308	VOLUME	476636.886	3746269.292	456.89
LOCATION	L0002309	VOLUME	476636.941	3746277.881	456.88
LOCATION	L0002310	VOLUME	476636.996	3746286.471	456.86
LOCATION	L0002311	VOLUME	476637.051	3746295.061	456.83
LOCATION	L0002312	VOLUME	476637.106	3746303.651	456.80
LOCATION	L0002313	VOLUME	476637.161	3746312.241	456.76
LOCATION	L0002314	VOLUME	476637.216	3746320.831	456.73
LOCATION	L0002315	VOLUME	476637.272	3746329.420	456.70
LOCATION	L0002316	VOLUME	476637.327	3746338.010	456.67
LOCATION	L0002317	VOLUME	476637.382	3746346.600	456.63
LOCATION	L0002318	VOLUME	476637.437	3746355.190	456.60
LOCATION	L0002319	VOLUME	476637.492	3746363.780	456.57
LOCATION	L0002320	VOLUME	476637.547	3746372.370	456.55
LOCATION	L0002321	VOLUME	476637.602	3746380.959	456.52
LOCATION	L0002322	VOLUME	476637.657	3746389.549	456.49
LOCATION	L0002323	VOLUME	476637.713	3746398.139	456.46
LOCATION	L0002324	VOLUME	476637.768	3746406.729	456.43
LOCATION	L0002325	VOLUME	476637.823	3746415.319	456.41
LOCATION	L0002326	VOLUME	476637.878	3746423.908	456.38
LOCATION	L0002327	VOLUME	476637.933	3746432.498	456.35

** End of LINE VOLUME Source ID = SLINE1

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC Patterson Avenue B/n North Driveway and Harley Knox Boulevard

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.771E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 476636.551, 3746440.586, 456.41, 3.49, 4.00

** 476636.906, 3746552.772, 455.91, 3.49, 4.00

** -----

LOCATION	L0002328	VOLUME	476636.565	3746444.881	456.33
LOCATION	L0002329	VOLUME	476636.592	3746453.471	456.31
LOCATION	L0002330	VOLUME	476636.619	3746462.061	456.28
LOCATION	L0002331	VOLUME	476636.646	3746470.651	456.26
LOCATION	L0002332	VOLUME	476636.674	3746479.240	456.25

LOCATION	L0002333	VOLUME	476636.701	3746487.830	456.23
LOCATION	L0002334	VOLUME	476636.728	3746496.420	456.21
LOCATION	L0002335	VOLUME	476636.755	3746505.010	456.19
LOCATION	L0002336	VOLUME	476636.782	3746513.600	456.17
LOCATION	L0002337	VOLUME	476636.809	3746522.190	456.15
LOCATION	L0002338	VOLUME	476636.837	3746530.780	456.08
LOCATION	L0002339	VOLUME	476636.864	3746539.370	456.01
LOCATION	L0002340	VOLUME	476636.891	3746547.960	455.93

** End of LINE VOLUME Source ID = SLINE2

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC Harley Knox Boulevard B/n Patterson Avenue and I-215 Ramps

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 9.651E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 13

** 476636.551, 3746555.257, 455.91, 3.49, 4.00

** 476603.889, 3746564.133, 456.23, 3.49, 4.00

** 476569.452, 3746582.239, 456.51, 3.49, 4.00

** 476535.015, 3746609.931, 456.83, 3.49, 4.00

** 476521.524, 3746633.007, 457.09, 3.49, 4.00

** 476518.684, 3746650.048, 457.14, 3.49, 4.00

** 476495.253, 3746695.491, 457.42, 3.49, 4.00

** 476455.846, 3746832.174, 457.99, 3.49, 4.00

** 476410.758, 3746903.178, 457.92, 3.49, 4.00

** 476326.263, 3746948.976, 458.13, 3.49, 4.00

** 476270.525, 3746959.626, 458.77, 3.49, 4.00

** 476232.182, 3746952.171, 459.54, 3.49, 4.00

** 476027.690, 3746949.331, 467.50, 3.49, 4.00

**

LOCATION	L0002341	VOLUME	476632.407	3746556.384	455.91
LOCATION	L0002342	VOLUME	476624.117	3746558.636	456.02
LOCATION	L0002343	VOLUME	476615.828	3746560.889	456.12
LOCATION	L0002344	VOLUME	476607.538	3746563.141	456.21
LOCATION	L0002345	VOLUME	476599.633	3746566.371	456.30
LOCATION	L0002346	VOLUME	476592.030	3746570.368	456.37
LOCATION	L0002347	VOLUME	476584.427	3746574.366	456.42
LOCATION	L0002348	VOLUME	476576.824	3746578.363	456.45
LOCATION	L0002349	VOLUME	476569.248	3746582.403	456.49
LOCATION	L0002350	VOLUME	476562.554	3746587.786	456.54
LOCATION	L0002351	VOLUME	476555.860	3746593.169	456.61
LOCATION	L0002352	VOLUME	476549.166	3746598.552	456.70
LOCATION	L0002353	VOLUME	476542.472	3746603.935	456.77
LOCATION	L0002354	VOLUME	476535.777	3746609.318	456.80
LOCATION	L0002355	VOLUME	476531.173	3746616.502	456.78
LOCATION	L0002356	VOLUME	476526.838	3746623.918	456.85
LOCATION	L0002357	VOLUME	476522.503	3746631.334	456.95

LOCATION	L0002358	VOLUME	476520.431	3746639.568	456.99
LOCATION	L0002359	VOLUME	476519.019	3746648.041	457.01
LOCATION	L0002360	VOLUME	476515.680	3746655.875	457.06
LOCATION	L0002361	VOLUME	476511.743	3746663.509	457.10
LOCATION	L0002362	VOLUME	476507.807	3746671.144	457.14
LOCATION	L0002363	VOLUME	476503.870	3746678.779	457.19
LOCATION	L0002364	VOLUME	476499.933	3746686.414	457.25
LOCATION	L0002365	VOLUME	476495.996	3746694.049	457.31
LOCATION	L0002366	VOLUME	476493.323	3746702.186	457.37
LOCATION	L0002367	VOLUME	476490.943	3746710.439	457.42
LOCATION	L0002368	VOLUME	476488.563	3746718.693	457.46
LOCATION	L0002369	VOLUME	476486.184	3746726.947	457.52
LOCATION	L0002370	VOLUME	476483.804	3746735.201	457.59
LOCATION	L0002371	VOLUME	476481.424	3746743.455	457.64
LOCATION	L0002372	VOLUME	476479.045	3746751.708	457.68
LOCATION	L0002373	VOLUME	476476.665	3746759.962	457.71
LOCATION	L0002374	VOLUME	476474.285	3746768.216	457.72
LOCATION	L0002375	VOLUME	476471.906	3746776.470	457.68
LOCATION	L0002376	VOLUME	476469.526	3746784.724	457.65
LOCATION	L0002377	VOLUME	476467.146	3746792.977	457.65
LOCATION	L0002378	VOLUME	476464.767	3746801.231	457.69
LOCATION	L0002379	VOLUME	476462.387	3746809.485	457.69
LOCATION	L0002380	VOLUME	476460.007	3746817.739	457.73
LOCATION	L0002381	VOLUME	476457.628	3746825.993	457.78
LOCATION	L0002382	VOLUME	476454.689	3746833.995	457.84
LOCATION	L0002383	VOLUME	476450.085	3746841.246	457.81
LOCATION	L0002384	VOLUME	476445.480	3746848.498	457.74
LOCATION	L0002385	VOLUME	476440.875	3746855.749	457.77
LOCATION	L0002386	VOLUME	476436.270	3746863.001	457.88
LOCATION	L0002387	VOLUME	476431.666	3746870.252	457.89
LOCATION	L0002388	VOLUME	476427.061	3746877.504	457.86
LOCATION	L0002389	VOLUME	476422.456	3746884.755	457.77
LOCATION	L0002390	VOLUME	476417.851	3746892.007	457.78
LOCATION	L0002391	VOLUME	476413.247	3746899.259	457.81
LOCATION	L0002392	VOLUME	476407.288	3746905.059	457.87
LOCATION	L0002393	VOLUME	476399.736	3746909.152	457.97
LOCATION	L0002394	VOLUME	476392.184	3746913.246	457.98
LOCATION	L0002395	VOLUME	476384.632	3746917.339	458.07
LOCATION	L0002396	VOLUME	476377.080	3746921.432	458.24
LOCATION	L0002397	VOLUME	476369.528	3746925.525	458.36
LOCATION	L0002398	VOLUME	476361.976	3746929.619	458.39
LOCATION	L0002399	VOLUME	476354.424	3746933.712	458.41
LOCATION	L0002400	VOLUME	476346.872	3746937.805	458.40
LOCATION	L0002401	VOLUME	476339.320	3746941.899	458.37
LOCATION	L0002402	VOLUME	476331.768	3746945.992	458.37
LOCATION	L0002403	VOLUME	476323.976	3746949.413	458.41
LOCATION	L0002404	VOLUME	476315.538	3746951.025	458.45
LOCATION	L0002405	VOLUME	476307.101	3746952.637	458.50
LOCATION	L0002406	VOLUME	476298.664	3746954.250	458.56
LOCATION	L0002407	VOLUME	476290.226	3746955.862	458.62
LOCATION	L0002408	VOLUME	476281.789	3746957.474	458.66

LOCATION	VOLUME				
LOCATION L0002409	VOLUME	476273.352	3746959.086	458.69	
LOCATION L0002410	VOLUME	476264.918	3746958.536	458.86	
LOCATION L0002411	VOLUME	476256.486	3746956.897	459.07	
LOCATION L0002412	VOLUME	476248.054	3746955.257	459.28	
LOCATION L0002413	VOLUME	476239.622	3746953.618	459.46	
LOCATION L0002414	VOLUME	476231.171	3746952.157	459.63	
LOCATION L0002415	VOLUME	476222.582	3746952.038	459.80	
LOCATION L0002416	VOLUME	476213.993	3746951.918	459.94	
LOCATION L0002417	VOLUME	476205.403	3746951.799	460.08	
LOCATION L0002418	VOLUME	476196.814	3746951.680	460.22	
LOCATION L0002419	VOLUME	476188.225	3746951.560	460.49	
LOCATION L0002420	VOLUME	476179.636	3746951.441	460.79	
LOCATION L0002421	VOLUME	476171.047	3746951.322	461.09	
LOCATION L0002422	VOLUME	476162.458	3746951.203	461.44	
LOCATION L0002423	VOLUME	476153.868	3746951.083	461.79	
LOCATION L0002424	VOLUME	476145.279	3746950.964	462.15	
LOCATION L0002425	VOLUME	476136.690	3746950.845	462.54	
LOCATION L0002426	VOLUME	476128.101	3746950.725	462.94	
LOCATION L0002427	VOLUME	476119.512	3746950.606	463.34	
LOCATION L0002428	VOLUME	476110.923	3746950.487	463.75	
LOCATION L0002429	VOLUME	476102.333	3746950.368	464.17	
LOCATION L0002430	VOLUME	476093.744	3746950.248	464.59	
LOCATION L0002431	VOLUME	476085.155	3746950.129	465.01	
LOCATION L0002432	VOLUME	476076.566	3746950.010	465.42	
LOCATION L0002433	VOLUME	476067.977	3746949.890	465.84	
LOCATION L0002434	VOLUME	476059.388	3746949.771	466.44	
LOCATION L0002435	VOLUME	476050.798	3746949.652	467.08	
LOCATION L0002436	VOLUME	476042.209	3746949.532	467.72	
LOCATION L0002437	VOLUME	476033.620	3746949.413	467.79	

** End of LINE VOLUME Source ID = SLINE3

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC South Driveway

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 2.767E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 9

** 476639.331, 3746159.511, 457.15, 3.49, 4.00

** 476669.892, 3746159.511, 456.63, 3.49, 4.00

** 476673.047, 3746172.216, 456.68, 3.49, 4.00

** 476661.141, 3746192.630, 456.72, 3.49, 4.00

** 476653.947, 3746226.215, 456.63, 3.49, 4.00

** 476654.213, 3746354.838, 456.34, 3.49, 4.00

** 476656.339, 3746356.433, 456.32, 3.49, 4.00

** 476673.347, 3746356.167, 456.20, 3.49, 4.00

** 476696.999, 3746356.167, 456.01, 3.49, 4.00

** -----

LOCATION	L0002438	VOLUME	476643.626	3746159.511	457.02
LOCATION	L0002439	VOLUME	476652.216	3746159.511	456.88
LOCATION	L0002440	VOLUME	476660.806	3746159.511	456.74
LOCATION	L0002441	VOLUME	476669.396	3746159.511	456.60
LOCATION	L0002442	VOLUME	476671.843	3746167.366	456.55
LOCATION	L0002443	VOLUME	476671.236	3746175.320	456.54
LOCATION	L0002444	VOLUME	476666.909	3746182.740	456.59
LOCATION	L0002445	VOLUME	476662.581	3746190.160	456.63
LOCATION	L0002446	VOLUME	476659.940	3746198.234	456.64
LOCATION	L0002447	VOLUME	476658.141	3746206.633	456.64
LOCATION	L0002448	VOLUME	476656.342	3746215.033	456.64
LOCATION	L0002449	VOLUME	476654.543	3746223.432	456.65
LOCATION	L0002450	VOLUME	476653.959	3746231.959	456.64
LOCATION	L0002451	VOLUME	476653.977	3746240.549	456.62
LOCATION	L0002452	VOLUME	476653.995	3746249.139	456.60
LOCATION	L0002453	VOLUME	476654.012	3746257.729	456.59
LOCATION	L0002454	VOLUME	476654.030	3746266.319	456.58
LOCATION	L0002455	VOLUME	476654.048	3746274.909	456.57
LOCATION	L0002456	VOLUME	476654.066	3746283.499	456.55
LOCATION	L0002457	VOLUME	476654.083	3746292.089	456.53
LOCATION	L0002458	VOLUME	476654.101	3746300.679	456.51
LOCATION	L0002459	VOLUME	476654.119	3746309.269	456.48
LOCATION	L0002460	VOLUME	476654.137	3746317.859	456.47
LOCATION	L0002461	VOLUME	476654.154	3746326.449	456.45
LOCATION	L0002462	VOLUME	476654.172	3746335.039	456.43
LOCATION	L0002463	VOLUME	476654.190	3746343.629	456.40
LOCATION	L0002464	VOLUME	476654.208	3746352.219	456.37
LOCATION	L0002465	VOLUME	476659.652	3746356.381	456.29
LOCATION	L0002466	VOLUME	476668.241	3746356.247	456.19
LOCATION	L0002467	VOLUME	476676.830	3746356.167	456.10
LOCATION	L0002468	VOLUME	476685.420	3746356.167	456.02
LOCATION	L0002469	VOLUME	476694.010	3746356.167	455.96

** End of LINE VOLUME Source ID = SLINE4

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE5

** DESCRSRC North Driveway

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 9.069E-07

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 3

** 476639.140, 3746440.166, 456.39, 3.49, 4.00

** 476688.049, 3746440.518, 455.90, 3.49, 4.00

** 476698.033, 3746440.590, 455.82, 3.49, 4.00

** -----

LOCATION	L0002470	VOLUME	476643.435	3746440.197	456.28
LOCATION	L0002471	VOLUME	476652.025	3746440.259	456.19
LOCATION	L0002472	VOLUME	476660.614	3746440.320	456.11

LOCATION	L0002473	VOLUME	476669.204	3746440.382	456.03
LOCATION	L0002474	VOLUME	476677.794	3746440.444	455.95
LOCATION	L0002475	VOLUME	476686.384	3746440.506	455.88
LOCATION	L0002476	VOLUME	476694.974	3746440.568	455.81

** End of LINE VOLUME Source ID = SLINE5

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE6

** DESCRSRC Western Drive Aisle

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 6.344E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 3

** 476699.079, 3746441.387, 455.82, 3.49, 4.00

** 476698.794, 3746070.330, 456.56, 3.49, 4.00

** 476984.386, 3746071.802, 453.89, 3.49, 4.00

** -----

LOCATION	L0002477	VOLUME	476699.075	3746437.092	455.78
LOCATION	L0002478	VOLUME	476699.069	3746428.502	455.80
LOCATION	L0002479	VOLUME	476699.062	3746419.912	455.85
LOCATION	L0002480	VOLUME	476699.056	3746411.322	455.91
LOCATION	L0002481	VOLUME	476699.049	3746402.732	455.96
LOCATION	L0002482	VOLUME	476699.043	3746394.142	455.97
LOCATION	L0002483	VOLUME	476699.036	3746385.552	455.97
LOCATION	L0002484	VOLUME	476699.029	3746376.962	455.97
LOCATION	L0002485	VOLUME	476699.023	3746368.372	455.96
LOCATION	L0002486	VOLUME	476699.016	3746359.782	455.94
LOCATION	L0002487	VOLUME	476699.010	3746351.192	455.92
LOCATION	L0002488	VOLUME	476699.003	3746342.602	455.90
LOCATION	L0002489	VOLUME	476698.996	3746334.012	455.90
LOCATION	L0002490	VOLUME	476698.990	3746325.422	455.91
LOCATION	L0002491	VOLUME	476698.983	3746316.832	455.93
LOCATION	L0002492	VOLUME	476698.977	3746308.242	455.95
LOCATION	L0002493	VOLUME	476698.970	3746299.652	455.96
LOCATION	L0002494	VOLUME	476698.963	3746291.062	455.98
LOCATION	L0002495	VOLUME	476698.957	3746282.472	456.00
LOCATION	L0002496	VOLUME	476698.950	3746273.882	456.02
LOCATION	L0002497	VOLUME	476698.944	3746265.292	456.03
LOCATION	L0002498	VOLUME	476698.937	3746256.702	456.05
LOCATION	L0002499	VOLUME	476698.931	3746248.112	456.06
LOCATION	L0002500	VOLUME	476698.924	3746239.522	456.09
LOCATION	L0002501	VOLUME	476698.917	3746230.932	456.11
LOCATION	L0002502	VOLUME	476698.911	3746222.342	456.14
LOCATION	L0002503	VOLUME	476698.904	3746213.752	456.16
LOCATION	L0002504	VOLUME	476698.898	3746205.162	456.18
LOCATION	L0002505	VOLUME	476698.891	3746196.572	456.21
LOCATION	L0002506	VOLUME	476698.884	3746187.982	456.23
LOCATION	L0002507	VOLUME	476698.878	3746179.392	456.24

LOCATION	L0002508	VOLUME	476698.871	3746170.802	456.24
LOCATION	L0002509	VOLUME	476698.865	3746162.212	456.25
LOCATION	L0002510	VOLUME	476698.858	3746153.622	456.25
LOCATION	L0002511	VOLUME	476698.851	3746145.032	456.30
LOCATION	L0002512	VOLUME	476698.845	3746136.442	456.35
LOCATION	L0002513	VOLUME	476698.838	3746127.852	456.39
LOCATION	L0002514	VOLUME	476698.832	3746119.262	456.43
LOCATION	L0002515	VOLUME	476698.825	3746110.672	456.47
LOCATION	L0002516	VOLUME	476698.819	3746102.082	456.51
LOCATION	L0002517	VOLUME	476698.812	3746093.492	456.54
LOCATION	L0002518	VOLUME	476698.805	3746084.902	456.55
LOCATION	L0002519	VOLUME	476698.799	3746076.312	456.55
LOCATION	L0002520	VOLUME	476701.401	3746070.343	456.51
LOCATION	L0002521	VOLUME	476709.991	3746070.387	456.42
LOCATION	L0002522	VOLUME	476718.581	3746070.432	456.34
LOCATION	L0002523	VOLUME	476727.171	3746070.476	456.26
LOCATION	L0002524	VOLUME	476735.761	3746070.520	456.19
LOCATION	L0002525	VOLUME	476744.351	3746070.564	456.14
LOCATION	L0002526	VOLUME	476752.941	3746070.609	456.08
LOCATION	L0002527	VOLUME	476761.530	3746070.653	456.01
LOCATION	L0002528	VOLUME	476770.120	3746070.697	455.95
LOCATION	L0002529	VOLUME	476778.710	3746070.741	455.88
LOCATION	L0002530	VOLUME	476787.300	3746070.786	455.81
LOCATION	L0002531	VOLUME	476795.890	3746070.830	455.73
LOCATION	L0002532	VOLUME	476804.480	3746070.874	455.66
LOCATION	L0002533	VOLUME	476813.070	3746070.919	455.58
LOCATION	L0002534	VOLUME	476821.660	3746070.963	455.49
LOCATION	L0002535	VOLUME	476830.250	3746071.007	455.40
LOCATION	L0002536	VOLUME	476838.839	3746071.051	455.31
LOCATION	L0002537	VOLUME	476847.429	3746071.096	455.22
LOCATION	L0002538	VOLUME	476856.019	3746071.140	455.13
LOCATION	L0002539	VOLUME	476864.609	3746071.184	455.04
LOCATION	L0002540	VOLUME	476873.199	3746071.229	454.95
LOCATION	L0002541	VOLUME	476881.789	3746071.273	454.86
LOCATION	L0002542	VOLUME	476890.379	3746071.317	454.77
LOCATION	L0002543	VOLUME	476898.969	3746071.361	454.69
LOCATION	L0002544	VOLUME	476907.559	3746071.406	454.60
LOCATION	L0002545	VOLUME	476916.148	3746071.450	454.52
LOCATION	L0002546	VOLUME	476924.738	3746071.494	454.44
LOCATION	L0002547	VOLUME	476933.328	3746071.538	454.36
LOCATION	L0002548	VOLUME	476941.918	3746071.583	454.30
LOCATION	L0002549	VOLUME	476950.508	3746071.627	454.28
LOCATION	L0002550	VOLUME	476959.098	3746071.671	454.25
LOCATION	L0002551	VOLUME	476967.688	3746071.716	454.21
LOCATION	L0002552	VOLUME	476976.278	3746071.760	454.14

** End of LINE VOLUME Source ID = SLINE6

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE7

** DESCRSRC Eastern Drive Aisle

** PREFIX

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** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001014
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 5
** 476699.411, 3746441.353, 455.81, 3.49, 4.00
** 476957.172, 3746441.353, 453.04, 3.49, 4.00
** 476986.944, 3746381.883, 452.95, 3.49, 4.00
** 476987.732, 3746074.609, 453.86, 3.49, 4.00
** 476987.753, 3746066.288, 453.93, 3.49, 4.00

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LOCATION L0002553    VOLUME  476703.706 3746441.353 455.73
LOCATION L0002554    VOLUME  476712.296 3746441.353 455.65
LOCATION L0002555    VOLUME  476720.886 3746441.353 455.56
LOCATION L0002556    VOLUME  476729.476 3746441.353 455.48
LOCATION L0002557    VOLUME  476738.066 3746441.353 455.37
LOCATION L0002558    VOLUME  476746.656 3746441.353 455.25
LOCATION L0002559    VOLUME  476755.246 3746441.353 455.13
LOCATION L0002560    VOLUME  476763.836 3746441.353 455.01
LOCATION L0002561    VOLUME  476772.426 3746441.353 454.91
LOCATION L0002562    VOLUME  476781.016 3746441.353 454.80
LOCATION L0002563    VOLUME  476789.606 3746441.353 454.70
LOCATION L0002564    VOLUME  476798.196 3746441.353 454.61
LOCATION L0002565    VOLUME  476806.786 3746441.353 454.53
LOCATION L0002566    VOLUME  476815.376 3746441.353 454.44
LOCATION L0002567    VOLUME  476823.966 3746441.353 454.36
LOCATION L0002568    VOLUME  476832.556 3746441.353 454.28
LOCATION L0002569    VOLUME  476841.146 3746441.353 454.20
LOCATION L0002570    VOLUME  476849.736 3746441.353 454.11
LOCATION L0002571    VOLUME  476858.326 3746441.353 454.02
LOCATION L0002572    VOLUME  476866.916 3746441.353 453.94
LOCATION L0002573    VOLUME  476875.506 3746441.353 453.87
LOCATION L0002574    VOLUME  476884.096 3746441.353 453.79
LOCATION L0002575    VOLUME  476892.686 3746441.353 453.71
LOCATION L0002576    VOLUME  476901.276 3746441.353 453.63
LOCATION L0002577    VOLUME  476909.866 3746441.353 453.55
LOCATION L0002578    VOLUME  476918.456 3746441.353 453.46
LOCATION L0002579    VOLUME  476927.046 3746441.353 453.36
LOCATION L0002580    VOLUME  476935.636 3746441.353 453.26
LOCATION L0002581    VOLUME  476944.226 3746441.353 453.18
LOCATION L0002582    VOLUME  476952.816 3746441.353 453.11
LOCATION L0002583    VOLUME  476959.067 3746437.566 453.06
LOCATION L0002584    VOLUME  476962.913 3746429.885 453.04
LOCATION L0002585    VOLUME  476966.758 3746422.204 453.01
LOCATION L0002586    VOLUME  476970.604 3746414.522 452.98
LOCATION L0002587    VOLUME  476974.449 3746406.841 452.96
LOCATION L0002588    VOLUME  476978.295 3746399.160 452.95
LOCATION L0002589    VOLUME  476982.140 3746391.479 452.96
LOCATION L0002590    VOLUME  476985.986 3746383.798 452.97
LOCATION L0002591    VOLUME  476986.961 3746375.434 452.99

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LOCATION	L0002592	VOLUME	476986.983	3746366.844	453.02
LOCATION	L0002593	VOLUME	476987.005	3746358.254	453.07
LOCATION	L0002594	VOLUME	476987.027	3746349.664	453.11
LOCATION	L0002595	VOLUME	476987.049	3746341.074	453.15
LOCATION	L0002596	VOLUME	476987.071	3746332.484	453.20
LOCATION	L0002597	VOLUME	476987.093	3746323.894	453.24
LOCATION	L0002598	VOLUME	476987.115	3746315.304	453.29
LOCATION	L0002599	VOLUME	476987.137	3746306.714	453.33
LOCATION	L0002600	VOLUME	476987.159	3746298.124	453.36
LOCATION	L0002601	VOLUME	476987.181	3746289.535	453.38
LOCATION	L0002602	VOLUME	476987.203	3746280.945	453.41
LOCATION	L0002603	VOLUME	476987.225	3746272.355	453.44
LOCATION	L0002604	VOLUME	476987.247	3746263.765	453.47
LOCATION	L0002605	VOLUME	476987.269	3746255.175	453.50
LOCATION	L0002606	VOLUME	476987.291	3746246.585	453.52
LOCATION	L0002607	VOLUME	476987.313	3746237.995	453.55
LOCATION	L0002608	VOLUME	476987.335	3746229.405	453.58
LOCATION	L0002609	VOLUME	476987.357	3746220.815	453.61
LOCATION	L0002610	VOLUME	476987.379	3746212.225	453.64
LOCATION	L0002611	VOLUME	476987.401	3746203.635	453.68
LOCATION	L0002612	VOLUME	476987.423	3746195.045	453.72
LOCATION	L0002613	VOLUME	476987.445	3746186.455	453.75
LOCATION	L0002614	VOLUME	476987.467	3746177.865	453.78
LOCATION	L0002615	VOLUME	476987.489	3746169.275	453.82
LOCATION	L0002616	VOLUME	476987.511	3746160.685	453.85
LOCATION	L0002617	VOLUME	476987.533	3746152.095	453.88
LOCATION	L0002618	VOLUME	476987.555	3746143.505	453.91
LOCATION	L0002619	VOLUME	476987.578	3746134.915	453.94
LOCATION	L0002620	VOLUME	476987.600	3746126.325	453.96
LOCATION	L0002621	VOLUME	476987.622	3746117.735	454.00
LOCATION	L0002622	VOLUME	476987.644	3746109.145	454.04
LOCATION	L0002623	VOLUME	476987.666	3746100.555	454.09
LOCATION	L0002624	VOLUME	476987.688	3746091.965	454.14
LOCATION	L0002625	VOLUME	476987.710	3746083.375	454.10
LOCATION	L0002626	VOLUME	476987.732	3746074.785	454.06

** End of LINE VOLUME Source ID = SLINE7

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE8

** DESCRSRC West Loading Area

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 0.00002732

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 476735.431, 3746363.536, 455.64, 3.49, 4.00

** 476736.010, 3746121.162, 456.19, 3.49, 4.00

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LOCATION	L0002627	VOLUME	476735.442	3746359.241	455.58
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LOCATION	VOLUME				
LOCATION L0002628	VOLUME	476735.462	3746350.651	455.54	
LOCATION L0002629	VOLUME	476735.483	3746342.061	455.50	
LOCATION L0002630	VOLUME	476735.503	3746333.471	455.49	
LOCATION L0002631	VOLUME	476735.524	3746324.881	455.51	
LOCATION L0002632	VOLUME	476735.544	3746316.291	455.52	
LOCATION L0002633	VOLUME	476735.565	3746307.701	455.54	
LOCATION L0002634	VOLUME	476735.585	3746299.111	455.56	
LOCATION L0002635	VOLUME	476735.606	3746290.521	455.59	
LOCATION L0002636	VOLUME	476735.626	3746281.931	455.61	
LOCATION L0002637	VOLUME	476735.647	3746273.341	455.64	
LOCATION L0002638	VOLUME	476735.667	3746264.751	455.67	
LOCATION L0002639	VOLUME	476735.688	3746256.161	455.70	
LOCATION L0002640	VOLUME	476735.708	3746247.571	455.73	
LOCATION L0002641	VOLUME	476735.729	3746238.981	455.76	
LOCATION L0002642	VOLUME	476735.749	3746230.391	455.79	
LOCATION L0002643	VOLUME	476735.770	3746221.801	455.82	
LOCATION L0002644	VOLUME	476735.790	3746213.211	455.84	
LOCATION L0002645	VOLUME	476735.811	3746204.621	455.86	
LOCATION L0002646	VOLUME	476735.831	3746196.031	455.88	
LOCATION L0002647	VOLUME	476735.852	3746187.441	455.90	
LOCATION L0002648	VOLUME	476735.872	3746178.851	455.92	
LOCATION L0002649	VOLUME	476735.893	3746170.261	455.93	
LOCATION L0002650	VOLUME	476735.913	3746161.671	455.95	
LOCATION L0002651	VOLUME	476735.934	3746153.081	455.97	
LOCATION L0002652	VOLUME	476735.954	3746144.492	456.03	
LOCATION L0002653	VOLUME	476735.975	3746135.902	456.08	
LOCATION L0002654	VOLUME	476735.995	3746127.312	456.13	

** End of LINE VOLUME Source ID = SLINE8

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE9

** DESCRSRC East Loading Area

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 0.00004481

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 476955.823, 3746385.517, 453.07, 3.49, 4.00

** 476955.245, 3746088.190, 454.36, 3.49, 4.00

** -----

LOCATION	VOLUME				
LOCATION L0002655	VOLUME	476955.815	3746381.222	453.13	
LOCATION L0002656	VOLUME	476955.798	3746372.632	453.16	
LOCATION L0002657	VOLUME	476955.782	3746364.042	453.21	
LOCATION L0002658	VOLUME	476955.765	3746355.452	453.28	
LOCATION L0002659	VOLUME	476955.748	3746346.862	453.34	
LOCATION L0002660	VOLUME	476955.732	3746338.272	453.40	
LOCATION L0002661	VOLUME	476955.715	3746329.682	453.45	
LOCATION L0002662	VOLUME	476955.698	3746321.092	453.49	
LOCATION L0002663	VOLUME	476955.681	3746312.502	453.54	

LOCATION	L0002664	VOLUME	476955.665	3746303.912	453.58
LOCATION	L0002665	VOLUME	476955.648	3746295.322	453.61
LOCATION	L0002666	VOLUME	476955.631	3746286.732	453.65
LOCATION	L0002667	VOLUME	476955.615	3746278.142	453.68
LOCATION	L0002668	VOLUME	476955.598	3746269.552	453.71
LOCATION	L0002669	VOLUME	476955.581	3746260.962	453.74
LOCATION	L0002670	VOLUME	476955.564	3746252.373	453.76
LOCATION	L0002671	VOLUME	476955.548	3746243.783	453.79
LOCATION	L0002672	VOLUME	476955.531	3746235.193	453.82
LOCATION	L0002673	VOLUME	476955.514	3746226.603	453.86
LOCATION	L0002674	VOLUME	476955.498	3746218.013	453.89
LOCATION	L0002675	VOLUME	476955.481	3746209.423	453.92
LOCATION	L0002676	VOLUME	476955.464	3746200.833	453.96
LOCATION	L0002677	VOLUME	476955.447	3746192.243	453.99
LOCATION	L0002678	VOLUME	476955.431	3746183.653	454.03
LOCATION	L0002679	VOLUME	476955.414	3746175.063	454.06
LOCATION	L0002680	VOLUME	476955.397	3746166.473	454.10
LOCATION	L0002681	VOLUME	476955.381	3746157.883	454.13
LOCATION	L0002682	VOLUME	476955.364	3746149.293	454.17
LOCATION	L0002683	VOLUME	476955.347	3746140.703	454.21
LOCATION	L0002684	VOLUME	476955.330	3746132.113	454.25
LOCATION	L0002685	VOLUME	476955.314	3746123.523	454.29
LOCATION	L0002686	VOLUME	476955.297	3746114.933	454.32
LOCATION	L0002687	VOLUME	476955.280	3746106.343	454.35
LOCATION	L0002688	VOLUME	476955.264	3746097.753	454.38
LOCATION	L0002689	VOLUME	476955.247	3746089.163	454.38

** End of LINE VOLUME Source ID = SLINE9

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM	L0002296	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002297	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002298	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002299	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002300	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002301	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002302	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002303	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002304	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002305	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002306	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002307	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002308	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002309	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002310	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002311	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002312	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002313	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002314	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002315	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002316	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002317	0.00000005384	3.49	4.00	3.25

SRCPARAM	L0002318	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002319	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002320	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002321	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002322	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002323	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002324	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002325	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002326	0.00000005384	3.49	4.00	3.25
SRCPARAM	L0002327	0.00000005384	3.49	4.00	3.25

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** LINE VOLUME Source ID = SLINE2

SRCPARAM	L0002328	0.0000001362	3.49	4.00	3.25
SRCPARAM	L0002329	0.0000001362	3.49	4.00	3.25
SRCPARAM	L0002330	0.0000001362	3.49	4.00	3.25
SRCPARAM	L0002331	0.0000001362	3.49	4.00	3.25
SRCPARAM	L0002332	0.0000001362	3.49	4.00	3.25
SRCPARAM	L0002333	0.0000001362	3.49	4.00	3.25
SRCPARAM	L0002334	0.0000001362	3.49	4.00	3.25
SRCPARAM	L0002335	0.0000001362	3.49	4.00	3.25
SRCPARAM	L0002336	0.0000001362	3.49	4.00	3.25
SRCPARAM	L0002337	0.0000001362	3.49	4.00	3.25
SRCPARAM	L0002338	0.0000001362	3.49	4.00	3.25
SRCPARAM	L0002339	0.0000001362	3.49	4.00	3.25
SRCPARAM	L0002340	0.0000001362	3.49	4.00	3.25

** -----

** LINE VOLUME Source ID = SLINE3

SRCPARAM	L0002341	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002342	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002343	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002344	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002345	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002346	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002347	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002348	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002349	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002350	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002351	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002352	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002353	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002354	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002355	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002356	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002357	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002358	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002359	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002360	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002361	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002362	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002363	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002364	0.00000009949	3.49	4.00	3.25

SRCPARAM	L0002416	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002417	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002418	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002419	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002420	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002421	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002422	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002423	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002424	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002425	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002426	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002427	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002428	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002429	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002430	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002431	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002432	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002433	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002434	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002435	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002436	0.00000009949	3.49	4.00	3.25
SRCPARAM	L0002437	0.00000009949	3.49	4.00	3.25

**

 ** LINE VOLUME Source ID = SLINE4

SRCPARAM	L0002438	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002439	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002440	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002441	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002442	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002443	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002444	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002445	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002446	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002447	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002448	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002449	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002450	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002451	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002452	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002453	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002454	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002455	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002456	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002457	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002458	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002459	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002460	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002461	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002462	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002463	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002464	0.00000008647	3.49	4.00	3.25

SRCPARAM	L0002465	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002466	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002467	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002468	0.00000008647	3.49	4.00	3.25
SRCPARAM	L0002469	0.00000008647	3.49	4.00	3.25
** -----					
**	LINE VOLUME Source ID = SLINE5				
SRCPARAM	L0002470	0.0000001296	3.49	4.00	3.25
SRCPARAM	L0002471	0.0000001296	3.49	4.00	3.25
SRCPARAM	L0002472	0.0000001296	3.49	4.00	3.25
SRCPARAM	L0002473	0.0000001296	3.49	4.00	3.25
SRCPARAM	L0002474	0.0000001296	3.49	4.00	3.25
SRCPARAM	L0002475	0.0000001296	3.49	4.00	3.25
SRCPARAM	L0002476	0.0000001296	3.49	4.00	3.25
** -----					
**	LINE VOLUME Source ID = SLINE6				
SRCPARAM	L0002477	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002478	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002479	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002480	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002481	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002482	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002483	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002484	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002485	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002486	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002487	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002488	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002489	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002490	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002491	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002492	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002493	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002494	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002495	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002496	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002497	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002498	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002499	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002500	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002501	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002502	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002503	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002504	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002505	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002506	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002507	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002508	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002509	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002510	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002511	0.00000008347	3.49	4.00	3.25

SRCPARAM	L0002512	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002513	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002514	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002515	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002516	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002517	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002518	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002519	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002520	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002521	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002522	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002523	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002524	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002525	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002526	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002527	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002528	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002529	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002530	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002531	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002532	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002533	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002534	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002535	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002536	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002537	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002538	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002539	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002540	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002541	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002542	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002543	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002544	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002545	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002546	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002547	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002548	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002549	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002550	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002551	0.00000008347	3.49	4.00	3.25
SRCPARAM	L0002552	0.00000008347	3.49	4.00	3.25

**

** LINE VOLUME Source ID = SLINE7

SRCPARAM	L0002553	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002554	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002555	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002556	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002557	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002558	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002559	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002560	0.000000137	3.49	4.00	3.25

SRCPARAM	L0002612	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002613	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002614	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002615	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002616	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002617	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002618	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002619	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002620	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002621	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002622	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002623	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002624	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002625	0.000000137	3.49	4.00	3.25
SRCPARAM	L0002626	0.000000137	3.49	4.00	3.25

**

** LINE VOLUME Source ID = SLINE8

SRCPARAM	L0002627	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002628	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002629	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002630	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002631	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002632	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002633	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002634	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002635	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002636	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002637	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002638	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002639	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002640	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002641	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002642	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002643	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002644	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002645	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002646	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002647	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002648	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002649	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002650	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002651	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002652	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002653	0.0000009757	3.49	4.00	3.25
SRCPARAM	L0002654	0.0000009757	3.49	4.00	3.25

**

** LINE VOLUME Source ID = SLINE9

SRCPARAM	L0002655	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002656	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002657	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002658	0.00000128	3.49	4.00	3.25

SRCPARAM	L0002659	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002660	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002661	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002662	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002663	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002664	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002665	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002666	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002667	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002668	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002669	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002670	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002671	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002672	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002673	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002674	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002675	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002676	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002677	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002678	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002679	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002680	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002681	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002682	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002683	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002684	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002685	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002686	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002687	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002688	0.00000128	3.49	4.00	3.25
SRCPARAM	L0002689	0.00000128	3.49	4.00	3.25

** -----

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED ProjAB2.rou

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

```
SURFFILE PERI_v9.SFC
PROFILE 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 1027 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1027 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
```

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


**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 = 3.8 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

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
*** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB2

*** 01/27/22
*** 10:03:08
PAGE 2

*** 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
L0002296	0	0.53840E-07	476636.2	3746166.2	457.1	3.49	4.00	3.25	YES	
L0002297	0	0.53840E-07	476636.3	3746174.8	457.1	3.49	4.00	3.25	YES	
L0002298	0	0.53840E-07	476636.3	3746183.4	457.0	3.49	4.00	3.25	YES	
L0002299	0	0.53840E-07	476636.4	3746192.0	457.0	3.49	4.00	3.25	YES	
L0002300	0	0.53840E-07	476636.4	3746200.6	457.0	3.49	4.00	3.25	YES	
L0002301	0	0.53840E-07	476636.5	3746209.2	457.0	3.49	4.00	3.25	YES	
L0002302	0	0.53840E-07	476636.6	3746217.8	456.9	3.49	4.00	3.25	YES	
L0002303	0	0.53840E-07	476636.6	3746226.3	456.9	3.49	4.00	3.25	YES	
L0002304	0	0.53840E-07	476636.7	3746234.9	456.9	3.49	4.00	3.25	YES	
L0002305	0	0.53840E-07	476636.7	3746243.5	456.9	3.49	4.00	3.25	YES	
L0002306	0	0.53840E-07	476636.8	3746252.1	456.9	3.49	4.00	3.25	YES	
L0002307	0	0.53840E-07	476636.8	3746260.7	456.9	3.49	4.00	3.25	YES	
L0002308	0	0.53840E-07	476636.9	3746269.3	456.9	3.49	4.00	3.25	YES	
L0002309	0	0.53840E-07	476636.9	3746277.9	456.9	3.49	4.00	3.25	YES	
L0002310	0	0.53840E-07	476637.0	3746286.5	456.9	3.49	4.00	3.25	YES	
L0002311	0	0.53840E-07	476637.1	3746295.1	456.8	3.49	4.00	3.25	YES	
L0002312	0	0.53840E-07	476637.1	3746303.7	456.8	3.49	4.00	3.25	YES	
L0002313	0	0.53840E-07	476637.2	3746312.2	456.8	3.49	4.00	3.25	YES	
L0002314	0	0.53840E-07	476637.2	3746320.8	456.7	3.49	4.00	3.25	YES	
L0002315	0	0.53840E-07	476637.3	3746329.4	456.7	3.49	4.00	3.25	YES	
L0002316	0	0.53840E-07	476637.3	3746338.0	456.7	3.49	4.00	3.25	YES	
L0002317	0	0.53840E-07	476637.4	3746346.6	456.6	3.49	4.00	3.25	YES	
L0002318	0	0.53840E-07	476637.4	3746355.2	456.6	3.49	4.00	3.25	YES	
L0002319	0	0.53840E-07	476637.5	3746363.8	456.6	3.49	4.00	3.25	YES	
L0002320	0	0.53840E-07	476637.5	3746372.4	456.6	3.49	4.00	3.25	YES	
L0002321	0	0.53840E-07	476637.6	3746381.0	456.5	3.49	4.00	3.25	YES	
L0002322	0	0.53840E-07	476637.7	3746389.5	456.5	3.49	4.00	3.25	YES	
L0002323	0	0.53840E-07	476637.7	3746398.1	456.5	3.49	4.00	3.25	YES	
L0002324	0	0.53840E-07	476637.8	3746406.7	456.4	3.49	4.00	3.25	YES	
L0002325	0	0.53840E-07	476637.8	3746415.3	456.4	3.49	4.00	3.25	YES	
L0002326	0	0.53840E-07	476637.9	3746423.9	456.4	3.49	4.00	3.25	YES	
L0002327	0	0.53840E-07	476637.9	3746432.5	456.4	3.49	4.00	3.25	YES	
L0002328	0	0.13620E-06	476636.6	3746444.9	456.3	3.49	4.00	3.25	YES	
L0002329	0	0.13620E-06	476636.6	3746453.5	456.3	3.49	4.00	3.25	YES	
L0002330	0	0.13620E-06	476636.6	3746462.1	456.3	3.49	4.00	3.25	YES	
L0002331	0	0.13620E-06	476636.6	3746470.7	456.3	3.49	4.00	3.25	YES	
L0002332	0	0.13620E-06	476636.7	3746479.2	456.2	3.49	4.00	3.25	YES	
L0002333	0	0.13620E-06	476636.7	3746487.8	456.2	3.49	4.00	3.25	YES	
L0002334	0	0.13620E-06	476636.7	3746496.4	456.2	3.49	4.00	3.25	YES	
L0002335	0	0.13620E-06	476636.8	3746505.0	456.2	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB2

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*** MODELOPTs: RegDEFAULT 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
L0002336	0	0.13620E-06	476636.8	3746513.6	456.2	3.49	4.00	3.25	YES	
L0002337	0	0.13620E-06	476636.8	3746522.2	456.2	3.49	4.00	3.25	YES	
L0002338	0	0.13620E-06	476636.8	3746530.8	456.1	3.49	4.00	3.25	YES	
L0002339	0	0.13620E-06	476636.9	3746539.4	456.0	3.49	4.00	3.25	YES	
L0002340	0	0.13620E-06	476636.9	3746548.0	455.9	3.49	4.00	3.25	YES	
L0002341	0	0.99490E-07	476632.4	3746556.4	455.9	3.49	4.00	3.25	YES	
L0002342	0	0.99490E-07	476624.1	3746558.6	456.0	3.49	4.00	3.25	YES	
L0002343	0	0.99490E-07	476615.8	3746560.9	456.1	3.49	4.00	3.25	YES	
L0002344	0	0.99490E-07	476607.5	3746563.1	456.2	3.49	4.00	3.25	YES	
L0002345	0	0.99490E-07	476599.6	3746566.4	456.3	3.49	4.00	3.25	YES	
L0002346	0	0.99490E-07	476592.0	3746570.4	456.4	3.49	4.00	3.25	YES	
L0002347	0	0.99490E-07	476584.4	3746574.4	456.4	3.49	4.00	3.25	YES	
L0002348	0	0.99490E-07	476576.8	3746578.4	456.4	3.49	4.00	3.25	YES	
L0002349	0	0.99490E-07	476569.2	3746582.4	456.5	3.49	4.00	3.25	YES	
L0002350	0	0.99490E-07	476562.6	3746587.8	456.5	3.49	4.00	3.25	YES	
L0002351	0	0.99490E-07	476555.9	3746593.2	456.6	3.49	4.00	3.25	YES	
L0002352	0	0.99490E-07	476549.2	3746598.6	456.7	3.49	4.00	3.25	YES	
L0002353	0	0.99490E-07	476542.5	3746603.9	456.8	3.49	4.00	3.25	YES	
L0002354	0	0.99490E-07	476535.8	3746609.3	456.8	3.49	4.00	3.25	YES	
L0002355	0	0.99490E-07	476531.2	3746616.5	456.8	3.49	4.00	3.25	YES	
L0002356	0	0.99490E-07	476526.8	3746623.9	456.9	3.49	4.00	3.25	YES	
L0002357	0	0.99490E-07	476522.5	3746631.3	456.9	3.49	4.00	3.25	YES	
L0002358	0	0.99490E-07	476520.4	3746639.6	457.0	3.49	4.00	3.25	YES	
L0002359	0	0.99490E-07	476519.0	3746648.0	457.0	3.49	4.00	3.25	YES	
L0002360	0	0.99490E-07	476515.7	3746655.9	457.1	3.49	4.00	3.25	YES	
L0002361	0	0.99490E-07	476511.7	3746663.5	457.1	3.49	4.00	3.25	YES	
L0002362	0	0.99490E-07	476507.8	3746671.1	457.1	3.49	4.00	3.25	YES	
L0002363	0	0.99490E-07	476503.9	3746678.8	457.2	3.49	4.00	3.25	YES	
L0002364	0	0.99490E-07	476499.9	3746686.4	457.2	3.49	4.00	3.25	YES	
L0002365	0	0.99490E-07	476496.0	3746694.0	457.3	3.49	4.00	3.25	YES	
L0002366	0	0.99490E-07	476493.3	3746702.2	457.4	3.49	4.00	3.25	YES	
L0002367	0	0.99490E-07	476490.9	3746710.4	457.4	3.49	4.00	3.25	YES	
L0002368	0	0.99490E-07	476488.6	3746718.7	457.5	3.49	4.00	3.25	YES	
L0002369	0	0.99490E-07	476486.2	3746726.9	457.5	3.49	4.00	3.25	YES	
L0002370	0	0.99490E-07	476483.8	3746735.2	457.6	3.49	4.00	3.25	YES	
L0002371	0	0.99490E-07	476481.4	3746743.5	457.6	3.49	4.00	3.25	YES	
L0002372	0	0.99490E-07	476479.0	3746751.7	457.7	3.49	4.00	3.25	YES	
L0002373	0	0.99490E-07	476476.7	3746760.0	457.7	3.49	4.00	3.25	YES	
L0002374	0	0.99490E-07	476474.3	3746768.2	457.7	3.49	4.00	3.25	YES	
L0002375	0	0.99490E-07	476471.9	3746776.5	457.7	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB2

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*** MODELOPTs: RegDEFAULT 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
L0002376	0	0.99490E-07	476469.5	3746784.7	457.7	3.49	4.00	3.25	YES	
L0002377	0	0.99490E-07	476467.1	3746793.0	457.7	3.49	4.00	3.25	YES	
L0002378	0	0.99490E-07	476464.8	3746801.2	457.7	3.49	4.00	3.25	YES	
L0002379	0	0.99490E-07	476462.4	3746809.5	457.7	3.49	4.00	3.25	YES	
L0002380	0	0.99490E-07	476460.0	3746817.7	457.7	3.49	4.00	3.25	YES	
L0002381	0	0.99490E-07	476457.6	3746826.0	457.8	3.49	4.00	3.25	YES	
L0002382	0	0.99490E-07	476454.7	3746834.0	457.8	3.49	4.00	3.25	YES	
L0002383	0	0.99490E-07	476450.1	3746841.2	457.8	3.49	4.00	3.25	YES	
L0002384	0	0.99490E-07	476445.5	3746848.5	457.7	3.49	4.00	3.25	YES	
L0002385	0	0.99490E-07	476440.9	3746855.7	457.8	3.49	4.00	3.25	YES	
L0002386	0	0.99490E-07	476436.3	3746863.0	457.9	3.49	4.00	3.25	YES	
L0002387	0	0.99490E-07	476431.7	3746870.3	457.9	3.49	4.00	3.25	YES	
L0002388	0	0.99490E-07	476427.1	3746877.5	457.9	3.49	4.00	3.25	YES	
L0002389	0	0.99490E-07	476422.5	3746884.8	457.8	3.49	4.00	3.25	YES	
L0002390	0	0.99490E-07	476417.9	3746892.0	457.8	3.49	4.00	3.25	YES	
L0002391	0	0.99490E-07	476413.2	3746899.3	457.8	3.49	4.00	3.25	YES	
L0002392	0	0.99490E-07	476407.3	3746905.1	457.9	3.49	4.00	3.25	YES	
L0002393	0	0.99490E-07	476399.7	3746909.2	458.0	3.49	4.00	3.25	YES	
L0002394	0	0.99490E-07	476392.2	3746913.2	458.0	3.49	4.00	3.25	YES	
L0002395	0	0.99490E-07	476384.6	3746917.3	458.1	3.49	4.00	3.25	YES	
L0002396	0	0.99490E-07	476377.1	3746921.4	458.2	3.49	4.00	3.25	YES	
L0002397	0	0.99490E-07	476369.5	3746925.5	458.4	3.49	4.00	3.25	YES	
L0002398	0	0.99490E-07	476362.0	3746929.6	458.4	3.49	4.00	3.25	YES	
L0002399	0	0.99490E-07	476354.4	3746933.7	458.4	3.49	4.00	3.25	YES	
L0002400	0	0.99490E-07	476346.9	3746937.8	458.4	3.49	4.00	3.25	YES	
L0002401	0	0.99490E-07	476339.3	3746941.9	458.4	3.49	4.00	3.25	YES	
L0002402	0	0.99490E-07	476331.8	3746946.0	458.4	3.49	4.00	3.25	YES	
L0002403	0	0.99490E-07	476324.0	3746949.4	458.4	3.49	4.00	3.25	YES	
L0002404	0	0.99490E-07	476315.5	3746951.0	458.4	3.49	4.00	3.25	YES	
L0002405	0	0.99490E-07	476307.1	3746952.6	458.5	3.49	4.00	3.25	YES	
L0002406	0	0.99490E-07	476298.7	3746954.2	458.6	3.49	4.00	3.25	YES	
L0002407	0	0.99490E-07	476290.2	3746955.9	458.6	3.49	4.00	3.25	YES	
L0002408	0	0.99490E-07	476281.8	3746957.5	458.7	3.49	4.00	3.25	YES	
L0002409	0	0.99490E-07	476273.4	3746959.1	458.7	3.49	4.00	3.25	YES	
L0002410	0	0.99490E-07	476264.9	3746958.5	458.9	3.49	4.00	3.25	YES	
L0002411	0	0.99490E-07	476256.5	3746956.9	459.1	3.49	4.00	3.25	YES	
L0002412	0	0.99490E-07	476248.1	3746955.3	459.3	3.49	4.00	3.25	YES	
L0002413	0	0.99490E-07	476239.6	3746953.6	459.5	3.49	4.00	3.25	YES	
L0002414	0	0.99490E-07	476231.2	3746952.2	459.6	3.49	4.00	3.25	YES	
L0002415	0	0.99490E-07	476222.6	3746952.0	459.8	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB2

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*** MODELOPTs: RegDEFAULT 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
L0002416	0	0.99490E-07	476214.0	3746951.9	459.9	3.49	4.00	3.25	YES	
L0002417	0	0.99490E-07	476205.4	3746951.8	460.1	3.49	4.00	3.25	YES	
L0002418	0	0.99490E-07	476196.8	3746951.7	460.2	3.49	4.00	3.25	YES	
L0002419	0	0.99490E-07	476188.2	3746951.6	460.5	3.49	4.00	3.25	YES	
L0002420	0	0.99490E-07	476179.6	3746951.4	460.8	3.49	4.00	3.25	YES	
L0002421	0	0.99490E-07	476171.0	3746951.3	461.1	3.49	4.00	3.25	YES	
L0002422	0	0.99490E-07	476162.5	3746951.2	461.4	3.49	4.00	3.25	YES	
L0002423	0	0.99490E-07	476153.9	3746951.1	461.8	3.49	4.00	3.25	YES	
L0002424	0	0.99490E-07	476145.3	3746951.0	462.2	3.49	4.00	3.25	YES	
L0002425	0	0.99490E-07	476136.7	3746950.8	462.5	3.49	4.00	3.25	YES	
L0002426	0	0.99490E-07	476128.1	3746950.7	462.9	3.49	4.00	3.25	YES	
L0002427	0	0.99490E-07	476119.5	3746950.6	463.3	3.49	4.00	3.25	YES	
L0002428	0	0.99490E-07	476110.9	3746950.5	463.8	3.49	4.00	3.25	YES	
L0002429	0	0.99490E-07	476102.3	3746950.4	464.2	3.49	4.00	3.25	YES	
L0002430	0	0.99490E-07	476093.7	3746950.2	464.6	3.49	4.00	3.25	YES	
L0002431	0	0.99490E-07	476085.2	3746950.1	465.0	3.49	4.00	3.25	YES	
L0002432	0	0.99490E-07	476076.6	3746950.0	465.4	3.49	4.00	3.25	YES	
L0002433	0	0.99490E-07	476068.0	3746949.9	465.8	3.49	4.00	3.25	YES	
L0002434	0	0.99490E-07	476059.4	3746949.8	466.4	3.49	4.00	3.25	YES	
L0002435	0	0.99490E-07	476050.8	3746949.7	467.1	3.49	4.00	3.25	YES	
L0002436	0	0.99490E-07	476042.2	3746949.5	467.7	3.49	4.00	3.25	YES	
L0002437	0	0.99490E-07	476033.6	3746949.4	467.8	3.49	4.00	3.25	YES	
L0002438	0	0.86470E-07	476643.6	3746159.5	457.0	3.49	4.00	3.25	YES	
L0002439	0	0.86470E-07	476652.2	3746159.5	456.9	3.49	4.00	3.25	YES	
L0002440	0	0.86470E-07	476660.8	3746159.5	456.7	3.49	4.00	3.25	YES	
L0002441	0	0.86470E-07	476669.4	3746159.5	456.6	3.49	4.00	3.25	YES	
L0002442	0	0.86470E-07	476671.8	3746167.4	456.6	3.49	4.00	3.25	YES	
L0002443	0	0.86470E-07	476671.2	3746175.3	456.5	3.49	4.00	3.25	YES	
L0002444	0	0.86470E-07	476666.9	3746182.7	456.6	3.49	4.00	3.25	YES	
L0002445	0	0.86470E-07	476662.6	3746190.2	456.6	3.49	4.00	3.25	YES	
L0002446	0	0.86470E-07	476659.9	3746198.2	456.6	3.49	4.00	3.25	YES	
L0002447	0	0.86470E-07	476658.1	3746206.6	456.6	3.49	4.00	3.25	YES	
L0002448	0	0.86470E-07	476656.3	3746215.0	456.6	3.49	4.00	3.25	YES	
L0002449	0	0.86470E-07	476654.5	3746223.4	456.7	3.49	4.00	3.25	YES	
L0002450	0	0.86470E-07	476654.0	3746232.0	456.6	3.49	4.00	3.25	YES	
L0002451	0	0.86470E-07	476654.0	3746240.5	456.6	3.49	4.00	3.25	YES	
L0002452	0	0.86470E-07	476654.0	3746249.1	456.6	3.49	4.00	3.25	YES	
L0002453	0	0.86470E-07	476654.0	3746257.7	456.6	3.49	4.00	3.25	YES	
L0002454	0	0.86470E-07	476654.0	3746266.3	456.6	3.49	4.00	3.25	YES	
L0002455	0	0.86470E-07	476654.0	3746274.9	456.6	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB2

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*** MODELOPTs: RegDEFAULT 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
L0002456	0	0.86470E-07	476654.1	3746283.5	456.6	3.49	4.00	3.25	YES	
L0002457	0	0.86470E-07	476654.1	3746292.1	456.5	3.49	4.00	3.25	YES	
L0002458	0	0.86470E-07	476654.1	3746300.7	456.5	3.49	4.00	3.25	YES	
L0002459	0	0.86470E-07	476654.1	3746309.3	456.5	3.49	4.00	3.25	YES	
L0002460	0	0.86470E-07	476654.1	3746317.9	456.5	3.49	4.00	3.25	YES	
L0002461	0	0.86470E-07	476654.2	3746326.4	456.4	3.49	4.00	3.25	YES	
L0002462	0	0.86470E-07	476654.2	3746335.0	456.4	3.49	4.00	3.25	YES	
L0002463	0	0.86470E-07	476654.2	3746343.6	456.4	3.49	4.00	3.25	YES	
L0002464	0	0.86470E-07	476654.2	3746352.2	456.4	3.49	4.00	3.25	YES	
L0002465	0	0.86470E-07	476659.7	3746356.4	456.3	3.49	4.00	3.25	YES	
L0002466	0	0.86470E-07	476668.2	3746356.2	456.2	3.49	4.00	3.25	YES	
L0002467	0	0.86470E-07	476676.8	3746356.2	456.1	3.49	4.00	3.25	YES	
L0002468	0	0.86470E-07	476685.4	3746356.2	456.0	3.49	4.00	3.25	YES	
L0002469	0	0.86470E-07	476694.0	3746356.2	456.0	3.49	4.00	3.25	YES	
L0002470	0	0.12960E-06	476643.4	3746440.2	456.3	3.49	4.00	3.25	YES	
L0002471	0	0.12960E-06	476652.0	3746440.3	456.2	3.49	4.00	3.25	YES	
L0002472	0	0.12960E-06	476660.6	3746440.3	456.1	3.49	4.00	3.25	YES	
L0002473	0	0.12960E-06	476669.2	3746440.4	456.0	3.49	4.00	3.25	YES	
L0002474	0	0.12960E-06	476677.8	3746440.4	455.9	3.49	4.00	3.25	YES	
L0002475	0	0.12960E-06	476686.4	3746440.5	455.9	3.49	4.00	3.25	YES	
L0002476	0	0.12960E-06	476695.0	3746440.6	455.8	3.49	4.00	3.25	YES	
L0002477	0	0.83470E-07	476699.1	3746437.1	455.8	3.49	4.00	3.25	YES	
L0002478	0	0.83470E-07	476699.1	3746428.5	455.8	3.49	4.00	3.25	YES	
L0002479	0	0.83470E-07	476699.1	3746419.9	455.9	3.49	4.00	3.25	YES	
L0002480	0	0.83470E-07	476699.1	3746411.3	455.9	3.49	4.00	3.25	YES	
L0002481	0	0.83470E-07	476699.0	3746402.7	456.0	3.49	4.00	3.25	YES	
L0002482	0	0.83470E-07	476699.0	3746394.1	456.0	3.49	4.00	3.25	YES	
L0002483	0	0.83470E-07	476699.0	3746385.6	456.0	3.49	4.00	3.25	YES	
L0002484	0	0.83470E-07	476699.0	3746377.0	456.0	3.49	4.00	3.25	YES	
L0002485	0	0.83470E-07	476699.0	3746368.4	456.0	3.49	4.00	3.25	YES	
L0002486	0	0.83470E-07	476699.0	3746359.8	455.9	3.49	4.00	3.25	YES	
L0002487	0	0.83470E-07	476699.0	3746351.2	455.9	3.49	4.00	3.25	YES	
L0002488	0	0.83470E-07	476699.0	3746342.6	455.9	3.49	4.00	3.25	YES	
L0002489	0	0.83470E-07	476699.0	3746334.0	455.9	3.49	4.00	3.25	YES	
L0002490	0	0.83470E-07	476699.0	3746325.4	455.9	3.49	4.00	3.25	YES	
L0002491	0	0.83470E-07	476699.0	3746316.8	455.9	3.49	4.00	3.25	YES	
L0002492	0	0.83470E-07	476699.0	3746308.2	455.9	3.49	4.00	3.25	YES	
L0002493	0	0.83470E-07	476699.0	3746299.7	456.0	3.49	4.00	3.25	YES	
L0002494	0	0.83470E-07	476699.0	3746291.1	456.0	3.49	4.00	3.25	YES	
L0002495	0	0.83470E-07	476699.0	3746282.5	456.0	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDEFAULT 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
L0002496	0	0.83470E-07	476699.0	3746273.9	456.0	3.49	4.00	3.25	YES	
L0002497	0	0.83470E-07	476698.9	3746265.3	456.0	3.49	4.00	3.25	YES	
L0002498	0	0.83470E-07	476698.9	3746256.7	456.1	3.49	4.00	3.25	YES	
L0002499	0	0.83470E-07	476698.9	3746248.1	456.1	3.49	4.00	3.25	YES	
L0002500	0	0.83470E-07	476698.9	3746239.5	456.1	3.49	4.00	3.25	YES	
L0002501	0	0.83470E-07	476698.9	3746230.9	456.1	3.49	4.00	3.25	YES	
L0002502	0	0.83470E-07	476698.9	3746222.3	456.1	3.49	4.00	3.25	YES	
L0002503	0	0.83470E-07	476698.9	3746213.8	456.2	3.49	4.00	3.25	YES	
L0002504	0	0.83470E-07	476698.9	3746205.2	456.2	3.49	4.00	3.25	YES	
L0002505	0	0.83470E-07	476698.9	3746196.6	456.2	3.49	4.00	3.25	YES	
L0002506	0	0.83470E-07	476698.9	3746188.0	456.2	3.49	4.00	3.25	YES	
L0002507	0	0.83470E-07	476698.9	3746179.4	456.2	3.49	4.00	3.25	YES	
L0002508	0	0.83470E-07	476698.9	3746170.8	456.2	3.49	4.00	3.25	YES	
L0002509	0	0.83470E-07	476698.9	3746162.2	456.2	3.49	4.00	3.25	YES	
L0002510	0	0.83470E-07	476698.9	3746153.6	456.2	3.49	4.00	3.25	YES	
L0002511	0	0.83470E-07	476698.9	3746145.0	456.3	3.49	4.00	3.25	YES	
L0002512	0	0.83470E-07	476698.8	3746136.4	456.4	3.49	4.00	3.25	YES	
L0002513	0	0.83470E-07	476698.8	3746127.9	456.4	3.49	4.00	3.25	YES	
L0002514	0	0.83470E-07	476698.8	3746119.3	456.4	3.49	4.00	3.25	YES	
L0002515	0	0.83470E-07	476698.8	3746110.7	456.5	3.49	4.00	3.25	YES	
L0002516	0	0.83470E-07	476698.8	3746102.1	456.5	3.49	4.00	3.25	YES	
L0002517	0	0.83470E-07	476698.8	3746093.5	456.5	3.49	4.00	3.25	YES	
L0002518	0	0.83470E-07	476698.8	3746084.9	456.6	3.49	4.00	3.25	YES	
L0002519	0	0.83470E-07	476698.8	3746076.3	456.6	3.49	4.00	3.25	YES	
L0002520	0	0.83470E-07	476701.4	3746070.3	456.5	3.49	4.00	3.25	YES	
L0002521	0	0.83470E-07	476710.0	3746070.4	456.4	3.49	4.00	3.25	YES	
L0002522	0	0.83470E-07	476718.6	3746070.4	456.3	3.49	4.00	3.25	YES	
L0002523	0	0.83470E-07	476727.2	3746070.5	456.3	3.49	4.00	3.25	YES	
L0002524	0	0.83470E-07	476735.8	3746070.5	456.2	3.49	4.00	3.25	YES	
L0002525	0	0.83470E-07	476744.4	3746070.6	456.1	3.49	4.00	3.25	YES	
L0002526	0	0.83470E-07	476752.9	3746070.6	456.1	3.49	4.00	3.25	YES	
L0002527	0	0.83470E-07	476761.5	3746070.7	456.0	3.49	4.00	3.25	YES	
L0002528	0	0.83470E-07	476770.1	3746070.7	455.9	3.49	4.00	3.25	YES	
L0002529	0	0.83470E-07	476778.7	3746070.7	455.9	3.49	4.00	3.25	YES	
L0002530	0	0.83470E-07	476787.3	3746070.8	455.8	3.49	4.00	3.25	YES	
L0002531	0	0.83470E-07	476795.9	3746070.8	455.7	3.49	4.00	3.25	YES	
L0002532	0	0.83470E-07	476804.5	3746070.9	455.7	3.49	4.00	3.25	YES	
L0002533	0	0.83470E-07	476813.1	3746070.9	455.6	3.49	4.00	3.25	YES	
L0002534	0	0.83470E-07	476821.7	3746071.0	455.5	3.49	4.00	3.25	YES	
L0002535	0	0.83470E-07	476830.2	3746071.0	455.4	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDEFAULT 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
L0002536	0	0.83470E-07	476838.8	3746071.1	455.3	3.49	4.00	3.25	YES	
L0002537	0	0.83470E-07	476847.4	3746071.1	455.2	3.49	4.00	3.25	YES	
L0002538	0	0.83470E-07	476856.0	3746071.1	455.1	3.49	4.00	3.25	YES	
L0002539	0	0.83470E-07	476864.6	3746071.2	455.0	3.49	4.00	3.25	YES	
L0002540	0	0.83470E-07	476873.2	3746071.2	454.9	3.49	4.00	3.25	YES	
L0002541	0	0.83470E-07	476881.8	3746071.3	454.9	3.49	4.00	3.25	YES	
L0002542	0	0.83470E-07	476890.4	3746071.3	454.8	3.49	4.00	3.25	YES	
L0002543	0	0.83470E-07	476899.0	3746071.4	454.7	3.49	4.00	3.25	YES	
L0002544	0	0.83470E-07	476907.6	3746071.4	454.6	3.49	4.00	3.25	YES	
L0002545	0	0.83470E-07	476916.1	3746071.4	454.5	3.49	4.00	3.25	YES	
L0002546	0	0.83470E-07	476924.7	3746071.5	454.4	3.49	4.00	3.25	YES	
L0002547	0	0.83470E-07	476933.3	3746071.5	454.4	3.49	4.00	3.25	YES	
L0002548	0	0.83470E-07	476941.9	3746071.6	454.3	3.49	4.00	3.25	YES	
L0002549	0	0.83470E-07	476950.5	3746071.6	454.3	3.49	4.00	3.25	YES	
L0002550	0	0.83470E-07	476959.1	3746071.7	454.2	3.49	4.00	3.25	YES	
L0002551	0	0.83470E-07	476967.7	3746071.7	454.2	3.49	4.00	3.25	YES	
L0002552	0	0.83470E-07	476976.3	3746071.8	454.1	3.49	4.00	3.25	YES	
L0002553	0	0.13700E-06	476703.7	3746441.4	455.7	3.49	4.00	3.25	YES	
L0002554	0	0.13700E-06	476712.3	3746441.4	455.7	3.49	4.00	3.25	YES	
L0002555	0	0.13700E-06	476720.9	3746441.4	455.6	3.49	4.00	3.25	YES	
L0002556	0	0.13700E-06	476729.5	3746441.4	455.5	3.49	4.00	3.25	YES	
L0002557	0	0.13700E-06	476738.1	3746441.4	455.4	3.49	4.00	3.25	YES	
L0002558	0	0.13700E-06	476746.7	3746441.4	455.2	3.49	4.00	3.25	YES	
L0002559	0	0.13700E-06	476755.2	3746441.4	455.1	3.49	4.00	3.25	YES	
L0002560	0	0.13700E-06	476763.8	3746441.4	455.0	3.49	4.00	3.25	YES	
L0002561	0	0.13700E-06	476772.4	3746441.4	454.9	3.49	4.00	3.25	YES	
L0002562	0	0.13700E-06	476781.0	3746441.4	454.8	3.49	4.00	3.25	YES	
L0002563	0	0.13700E-06	476789.6	3746441.4	454.7	3.49	4.00	3.25	YES	
L0002564	0	0.13700E-06	476798.2	3746441.4	454.6	3.49	4.00	3.25	YES	
L0002565	0	0.13700E-06	476806.8	3746441.4	454.5	3.49	4.00	3.25	YES	
L0002566	0	0.13700E-06	476815.4	3746441.4	454.4	3.49	4.00	3.25	YES	
L0002567	0	0.13700E-06	476824.0	3746441.4	454.4	3.49	4.00	3.25	YES	
L0002568	0	0.13700E-06	476832.6	3746441.4	454.3	3.49	4.00	3.25	YES	
L0002569	0	0.13700E-06	476841.1	3746441.4	454.2	3.49	4.00	3.25	YES	
L0002570	0	0.13700E-06	476849.7	3746441.4	454.1	3.49	4.00	3.25	YES	
L0002571	0	0.13700E-06	476858.3	3746441.4	454.0	3.49	4.00	3.25	YES	
L0002572	0	0.13700E-06	476866.9	3746441.4	453.9	3.49	4.00	3.25	YES	
L0002573	0	0.13700E-06	476875.5	3746441.4	453.9	3.49	4.00	3.25	YES	
L0002574	0	0.13700E-06	476884.1	3746441.4	453.8	3.49	4.00	3.25	YES	
L0002575	0	0.13700E-06	476892.7	3746441.4	453.7	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDEFAULT 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
L0002576	0	0.13700E-06	476901.3	3746441.4	453.6	3.49	4.00	3.25	YES	
L0002577	0	0.13700E-06	476909.9	3746441.4	453.6	3.49	4.00	3.25	YES	
L0002578	0	0.13700E-06	476918.5	3746441.4	453.5	3.49	4.00	3.25	YES	
L0002579	0	0.13700E-06	476927.0	3746441.4	453.4	3.49	4.00	3.25	YES	
L0002580	0	0.13700E-06	476935.6	3746441.4	453.3	3.49	4.00	3.25	YES	
L0002581	0	0.13700E-06	476944.2	3746441.4	453.2	3.49	4.00	3.25	YES	
L0002582	0	0.13700E-06	476952.8	3746441.4	453.1	3.49	4.00	3.25	YES	
L0002583	0	0.13700E-06	476959.1	3746437.6	453.1	3.49	4.00	3.25	YES	
L0002584	0	0.13700E-06	476962.9	3746429.9	453.0	3.49	4.00	3.25	YES	
L0002585	0	0.13700E-06	476966.8	3746422.2	453.0	3.49	4.00	3.25	YES	
L0002586	0	0.13700E-06	476970.6	3746414.5	453.0	3.49	4.00	3.25	YES	
L0002587	0	0.13700E-06	476974.4	3746406.8	453.0	3.49	4.00	3.25	YES	
L0002588	0	0.13700E-06	476978.3	3746399.2	452.9	3.49	4.00	3.25	YES	
L0002589	0	0.13700E-06	476982.1	3746391.5	453.0	3.49	4.00	3.25	YES	
L0002590	0	0.13700E-06	476986.0	3746383.8	453.0	3.49	4.00	3.25	YES	
L0002591	0	0.13700E-06	476987.0	3746375.4	453.0	3.49	4.00	3.25	YES	
L0002592	0	0.13700E-06	476987.0	3746366.8	453.0	3.49	4.00	3.25	YES	
L0002593	0	0.13700E-06	476987.0	3746358.3	453.1	3.49	4.00	3.25	YES	
L0002594	0	0.13700E-06	476987.0	3746349.7	453.1	3.49	4.00	3.25	YES	
L0002595	0	0.13700E-06	476987.0	3746341.1	453.2	3.49	4.00	3.25	YES	
L0002596	0	0.13700E-06	476987.1	3746332.5	453.2	3.49	4.00	3.25	YES	
L0002597	0	0.13700E-06	476987.1	3746323.9	453.2	3.49	4.00	3.25	YES	
L0002598	0	0.13700E-06	476987.1	3746315.3	453.3	3.49	4.00	3.25	YES	
L0002599	0	0.13700E-06	476987.1	3746306.7	453.3	3.49	4.00	3.25	YES	
L0002600	0	0.13700E-06	476987.2	3746298.1	453.4	3.49	4.00	3.25	YES	
L0002601	0	0.13700E-06	476987.2	3746289.5	453.4	3.49	4.00	3.25	YES	
L0002602	0	0.13700E-06	476987.2	3746280.9	453.4	3.49	4.00	3.25	YES	
L0002603	0	0.13700E-06	476987.2	3746272.4	453.4	3.49	4.00	3.25	YES	
L0002604	0	0.13700E-06	476987.2	3746263.8	453.5	3.49	4.00	3.25	YES	
L0002605	0	0.13700E-06	476987.3	3746255.2	453.5	3.49	4.00	3.25	YES	
L0002606	0	0.13700E-06	476987.3	3746246.6	453.5	3.49	4.00	3.25	YES	
L0002607	0	0.13700E-06	476987.3	3746238.0	453.6	3.49	4.00	3.25	YES	
L0002608	0	0.13700E-06	476987.3	3746229.4	453.6	3.49	4.00	3.25	YES	
L0002609	0	0.13700E-06	476987.4	3746220.8	453.6	3.49	4.00	3.25	YES	
L0002610	0	0.13700E-06	476987.4	3746212.2	453.6	3.49	4.00	3.25	YES	
L0002611	0	0.13700E-06	476987.4	3746203.6	453.7	3.49	4.00	3.25	YES	
L0002612	0	0.13700E-06	476987.4	3746195.0	453.7	3.49	4.00	3.25	YES	
L0002613	0	0.13700E-06	476987.4	3746186.5	453.8	3.49	4.00	3.25	YES	
L0002614	0	0.13700E-06	476987.5	3746177.9	453.8	3.49	4.00	3.25	YES	
L0002615	0	0.13700E-06	476987.5	3746169.3	453.8	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDEFAULT 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
L0002616	0	0.13700E-06	476987.5	3746160.7	453.9	3.49	4.00	3.25	YES	
L0002617	0	0.13700E-06	476987.5	3746152.1	453.9	3.49	4.00	3.25	YES	
L0002618	0	0.13700E-06	476987.6	3746143.5	453.9	3.49	4.00	3.25	YES	
L0002619	0	0.13700E-06	476987.6	3746134.9	453.9	3.49	4.00	3.25	YES	
L0002620	0	0.13700E-06	476987.6	3746126.3	454.0	3.49	4.00	3.25	YES	
L0002621	0	0.13700E-06	476987.6	3746117.7	454.0	3.49	4.00	3.25	YES	
L0002622	0	0.13700E-06	476987.6	3746109.1	454.0	3.49	4.00	3.25	YES	
L0002623	0	0.13700E-06	476987.7	3746100.6	454.1	3.49	4.00	3.25	YES	
L0002624	0	0.13700E-06	476987.7	3746092.0	454.1	3.49	4.00	3.25	YES	
L0002625	0	0.13700E-06	476987.7	3746083.4	454.1	3.49	4.00	3.25	YES	
L0002626	0	0.13700E-06	476987.7	3746074.8	454.1	3.49	4.00	3.25	YES	
L0002627	0	0.97570E-06	476735.4	3746359.2	455.6	3.49	4.00	3.25	YES	
L0002628	0	0.97570E-06	476735.5	3746350.7	455.5	3.49	4.00	3.25	YES	
L0002629	0	0.97570E-06	476735.5	3746342.1	455.5	3.49	4.00	3.25	YES	
L0002630	0	0.97570E-06	476735.5	3746333.5	455.5	3.49	4.00	3.25	YES	
L0002631	0	0.97570E-06	476735.5	3746324.9	455.5	3.49	4.00	3.25	YES	
L0002632	0	0.97570E-06	476735.5	3746316.3	455.5	3.49	4.00	3.25	YES	
L0002633	0	0.97570E-06	476735.6	3746307.7	455.5	3.49	4.00	3.25	YES	
L0002634	0	0.97570E-06	476735.6	3746299.1	455.6	3.49	4.00	3.25	YES	
L0002635	0	0.97570E-06	476735.6	3746290.5	455.6	3.49	4.00	3.25	YES	
L0002636	0	0.97570E-06	476735.6	3746281.9	455.6	3.49	4.00	3.25	YES	
L0002637	0	0.97570E-06	476735.6	3746273.3	455.6	3.49	4.00	3.25	YES	
L0002638	0	0.97570E-06	476735.7	3746264.8	455.7	3.49	4.00	3.25	YES	
L0002639	0	0.97570E-06	476735.7	3746256.2	455.7	3.49	4.00	3.25	YES	
L0002640	0	0.97570E-06	476735.7	3746247.6	455.7	3.49	4.00	3.25	YES	
L0002641	0	0.97570E-06	476735.7	3746239.0	455.8	3.49	4.00	3.25	YES	
L0002642	0	0.97570E-06	476735.7	3746230.4	455.8	3.49	4.00	3.25	YES	
L0002643	0	0.97570E-06	476735.8	3746221.8	455.8	3.49	4.00	3.25	YES	
L0002644	0	0.97570E-06	476735.8	3746213.2	455.8	3.49	4.00	3.25	YES	
L0002645	0	0.97570E-06	476735.8	3746204.6	455.9	3.49	4.00	3.25	YES	
L0002646	0	0.97570E-06	476735.8	3746196.0	455.9	3.49	4.00	3.25	YES	
L0002647	0	0.97570E-06	476735.9	3746187.4	455.9	3.49	4.00	3.25	YES	
L0002648	0	0.97570E-06	476735.9	3746178.9	455.9	3.49	4.00	3.25	YES	
L0002649	0	0.97570E-06	476735.9	3746170.3	455.9	3.49	4.00	3.25	YES	
L0002650	0	0.97570E-06	476735.9	3746161.7	455.9	3.49	4.00	3.25	YES	
L0002651	0	0.97570E-06	476735.9	3746153.1	456.0	3.49	4.00	3.25	YES	
L0002652	0	0.97570E-06	476736.0	3746144.5	456.0	3.49	4.00	3.25	YES	
L0002653	0	0.97570E-06	476736.0	3746135.9	456.1	3.49	4.00	3.25	YES	
L0002654	0	0.97570E-06	476736.0	3746127.3	456.1	3.49	4.00	3.25	YES	
L0002655	0	0.12800E-05	476955.8	3746381.2	453.1	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
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*** 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
L0002656	0	0.12800E-05	476955.8	3746372.6	453.2	3.49	4.00	3.25	YES	
L0002657	0	0.12800E-05	476955.8	3746364.0	453.2	3.49	4.00	3.25	YES	
L0002658	0	0.12800E-05	476955.8	3746355.5	453.3	3.49	4.00	3.25	YES	
L0002659	0	0.12800E-05	476955.7	3746346.9	453.3	3.49	4.00	3.25	YES	
L0002660	0	0.12800E-05	476955.7	3746338.3	453.4	3.49	4.00	3.25	YES	
L0002661	0	0.12800E-05	476955.7	3746329.7	453.4	3.49	4.00	3.25	YES	
L0002662	0	0.12800E-05	476955.7	3746321.1	453.5	3.49	4.00	3.25	YES	
L0002663	0	0.12800E-05	476955.7	3746312.5	453.5	3.49	4.00	3.25	YES	
L0002664	0	0.12800E-05	476955.7	3746303.9	453.6	3.49	4.00	3.25	YES	
L0002665	0	0.12800E-05	476955.6	3746295.3	453.6	3.49	4.00	3.25	YES	
L0002666	0	0.12800E-05	476955.6	3746286.7	453.7	3.49	4.00	3.25	YES	
L0002667	0	0.12800E-05	476955.6	3746278.1	453.7	3.49	4.00	3.25	YES	
L0002668	0	0.12800E-05	476955.6	3746269.6	453.7	3.49	4.00	3.25	YES	
L0002669	0	0.12800E-05	476955.6	3746261.0	453.7	3.49	4.00	3.25	YES	
L0002670	0	0.12800E-05	476955.6	3746252.4	453.8	3.49	4.00	3.25	YES	
L0002671	0	0.12800E-05	476955.5	3746243.8	453.8	3.49	4.00	3.25	YES	
L0002672	0	0.12800E-05	476955.5	3746235.2	453.8	3.49	4.00	3.25	YES	
L0002673	0	0.12800E-05	476955.5	3746226.6	453.9	3.49	4.00	3.25	YES	
L0002674	0	0.12800E-05	476955.5	3746218.0	453.9	3.49	4.00	3.25	YES	
L0002675	0	0.12800E-05	476955.5	3746209.4	453.9	3.49	4.00	3.25	YES	
L0002676	0	0.12800E-05	476955.5	3746200.8	454.0	3.49	4.00	3.25	YES	
L0002677	0	0.12800E-05	476955.4	3746192.2	454.0	3.49	4.00	3.25	YES	
L0002678	0	0.12800E-05	476955.4	3746183.7	454.0	3.49	4.00	3.25	YES	
L0002679	0	0.12800E-05	476955.4	3746175.1	454.1	3.49	4.00	3.25	YES	
L0002680	0	0.12800E-05	476955.4	3746166.5	454.1	3.49	4.00	3.25	YES	
L0002681	0	0.12800E-05	476955.4	3746157.9	454.1	3.49	4.00	3.25	YES	
L0002682	0	0.12800E-05	476955.4	3746149.3	454.2	3.49	4.00	3.25	YES	
L0002683	0	0.12800E-05	476955.3	3746140.7	454.2	3.49	4.00	3.25	YES	
L0002684	0	0.12800E-05	476955.3	3746132.1	454.2	3.49	4.00	3.25	YES	
L0002685	0	0.12800E-05	476955.3	3746123.5	454.3	3.49	4.00	3.25	YES	
L0002686	0	0.12800E-05	476955.3	3746114.9	454.3	3.49	4.00	3.25	YES	
L0002687	0	0.12800E-05	476955.3	3746106.3	454.4	3.49	4.00	3.25	YES	
L0002688	0	0.12800E-05	476955.3	3746097.8	454.4	3.49	4.00	3.25	YES	
L0002689	0	0.12800E-05	476955.2	3746089.2	454.4	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs																
-----	-----																
ALL	L0002296	,	L0002297	,	L0002298	,	L0002299	,	L0002300	,	L0002301	,	L0002302	,	L0002303	,	
	L0002304	,	L0002305	,	L0002306	,	L0002307	,	L0002308	,	L0002309	,	L0002310	,	L0002311	,	
	L0002312	,	L0002313	,	L0002314	,	L0002315	,	L0002316	,	L0002317	,	L0002318	,	L0002319	,	
	L0002320	,	L0002321	,	L0002322	,	L0002323	,	L0002324	,	L0002325	,	L0002326	,	L0002327	,	
	L0002328	,	L0002329	,	L0002330	,	L0002331	,	L0002332	,	L0002333	,	L0002334	,	L0002335	,	
	L0002336	,	L0002337	,	L0002338	,	L0002339	,	L0002340	,	L0002341	,	L0002342	,	L0002343	,	
	L0002344	,	L0002345	,	L0002346	,	L0002347	,	L0002348	,	L0002349	,	L0002350	,	L0002351	,	
	L0002352	,	L0002353	,	L0002354	,	L0002355	,	L0002356	,	L0002357	,	L0002358	,	L0002359	,	
	L0002360	,	L0002361	,	L0002362	,	L0002363	,	L0002364	,	L0002365	,	L0002366	,	L0002367	,	
	L0002368	,	L0002369	,	L0002370	,	L0002371	,	L0002372	,	L0002373	,	L0002374	,	L0002375	,	
	L0002376	,	L0002377	,	L0002378	,	L0002379	,	L0002380	,	L0002381	,	L0002382	,	L0002383	,	
	L0002384	,	L0002385	,	L0002386	,	L0002387	,	L0002388	,	L0002389	,	L0002390	,	L0002391	,	
	L0002392	,	L0002393	,	L0002394	,	L0002395	,	L0002396	,	L0002397	,	L0002398	,	L0002399	,	
	L0002400	,	L0002401	,	L0002402	,	L0002403	,	L0002404	,	L0002405	,	L0002406	,	L0002407	,	
	L0002408	,	L0002409	,	L0002410	,	L0002411	,	L0002412	,	L0002413	,	L0002414	,	L0002415	,	
	L0002416	,	L0002417	,	L0002418	,	L0002419	,	L0002420	,	L0002421	,	L0002422	,	L0002423	,	
	L0002424	,	L0002425	,	L0002426	,	L0002427	,	L0002428	,	L0002429	,	L0002430	,	L0002431	,	
	L0002432	,	L0002433	,	L0002434	,	L0002435	,	L0002436	,	L0002437	,	L0002438	,	L0002439	,	
	L0002440	,	L0002441	,	L0002442	,	L0002443	,	L0002444	,	L0002445	,	L0002446	,	L0002447	,	
	L0002448	,	L0002449	,	L0002450	,	L0002451	,	L0002452	,	L0002453	,	L0002454	,	L0002455	,	

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs														
-----	-----														
L0002456	,	L0002457	,	L0002458	,	L0002459	,	L0002460	,	L0002461	,	L0002462	,	L0002463	,
L0002464	,	L0002465	,	L0002466	,	L0002467	,	L0002468	,	L0002469	,	L0002470	,	L0002471	,
L0002472	,	L0002473	,	L0002474	,	L0002475	,	L0002476	,	L0002477	,	L0002478	,	L0002479	,
L0002480	,	L0002481	,	L0002482	,	L0002483	,	L0002484	,	L0002485	,	L0002486	,	L0002487	,
L0002488	,	L0002489	,	L0002490	,	L0002491	,	L0002492	,	L0002493	,	L0002494	,	L0002495	,
L0002496	,	L0002497	,	L0002498	,	L0002499	,	L0002500	,	L0002501	,	L0002502	,	L0002503	,
L0002504	,	L0002505	,	L0002506	,	L0002507	,	L0002508	,	L0002509	,	L0002510	,	L0002511	,
L0002512	,	L0002513	,	L0002514	,	L0002515	,	L0002516	,	L0002517	,	L0002518	,	L0002519	,
L0002520	,	L0002521	,	L0002522	,	L0002523	,	L0002524	,	L0002525	,	L0002526	,	L0002527	,
L0002528	,	L0002529	,	L0002530	,	L0002531	,	L0002532	,	L0002533	,	L0002534	,	L0002535	,
L0002536	,	L0002537	,	L0002538	,	L0002539	,	L0002540	,	L0002541	,	L0002542	,	L0002543	,
L0002544	,	L0002545	,	L0002546	,	L0002547	,	L0002548	,	L0002549	,	L0002550	,	L0002551	,
L0002552	,	L0002553	,	L0002554	,	L0002555	,	L0002556	,	L0002557	,	L0002558	,	L0002559	,
L0002560	,	L0002561	,	L0002562	,	L0002563	,	L0002564	,	L0002565	,	L0002566	,	L0002567	,
L0002568	,	L0002569	,	L0002570	,	L0002571	,	L0002572	,	L0002573	,	L0002574	,	L0002575	,
L0002576	,	L0002577	,	L0002578	,	L0002579	,	L0002580	,	L0002581	,	L0002582	,	L0002583	,
L0002584	,	L0002585	,	L0002586	,	L0002587	,	L0002588	,	L0002589	,	L0002590	,	L0002591	,
L0002592	,	L0002593	,	L0002594	,	L0002595	,	L0002596	,	L0002597	,	L0002598	,	L0002599	,
L0002600	,	L0002601	,	L0002602	,	L0002603	,	L0002604	,	L0002605	,	L0002606	,	L0002607	,
L0002608	,	L0002609	,	L0002610	,	L0002611	,	L0002612	,	L0002613	,	L0002614	,	L0002615	,

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs														
-----	-----														
L0002616	,	L0002617	,	L0002618	,	L0002619	,	L0002620	,	L0002621	,	L0002622	,	L0002623	,
L0002624	,	L0002625	,	L0002626	,	L0002627	,	L0002628	,	L0002629	,	L0002630	,	L0002631	,
L0002632	,	L0002633	,	L0002634	,	L0002635	,	L0002636	,	L0002637	,	L0002638	,	L0002639	,
L0002640	,	L0002641	,	L0002642	,	L0002643	,	L0002644	,	L0002645	,	L0002646	,	L0002647	,
L0002648	,	L0002649	,	L0002650	,	L0002651	,	L0002652	,	L0002653	,	L0002654	,	L0002655	,
L0002656	,	L0002657	,	L0002658	,	L0002659	,	L0002660	,	L0002661	,	L0002662	,	L0002663	,
L0002664	,	L0002665	,	L0002666	,	L0002667	,	L0002668	,	L0002669	,	L0002670	,	L0002671	,
L0002672	,	L0002673	,	L0002674	,	L0002675	,	L0002676	,	L0002677	,	L0002678	,	L0002679	,
L0002680	,	L0002681	,	L0002682	,	L0002683	,	L0002684	,	L0002685	,	L0002686	,	L0002687	,
L0002688	,	L0002689	,												

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs								
-----	-----	-----								
L0002303	2189641.	L0002296	, L0002297	, L0002298	, L0002299	, L0002300	, L0002301	, L0002302	,	
	,	L0002304	, L0002305	, L0002306	, L0002307	, L0002308	, L0002309	, L0002310	, L0002311	,
	L0002312	, L0002313	, L0002314	, L0002315	, L0002316	, L0002317	, L0002318	, L0002319	,	
	L0002320	, L0002321	, L0002322	, L0002323	, L0002324	, L0002325	, L0002326	, L0002327	,	
	L0002328	, L0002329	, L0002330	, L0002331	, L0002332	, L0002333	, L0002334	, L0002335	,	
	L0002336	, L0002337	, L0002338	, L0002339	, L0002340	, L0002341	, L0002342	, L0002343	,	
	L0002344	, L0002345	, L0002346	, L0002347	, L0002348	, L0002349	, L0002350	, L0002351	,	
	L0002352	, L0002353	, L0002354	, L0002355	, L0002356	, L0002357	, L0002358	, L0002359	,	
	L0002360	, L0002361	, L0002362	, L0002363	, L0002364	, L0002365	, L0002366	, L0002367	,	
	L0002368	, L0002369	, L0002370	, L0002371	, L0002372	, L0002373	, L0002374	, L0002375	,	
	L0002376	, L0002377	, L0002378	, L0002379	, L0002380	, L0002381	, L0002382	, L0002383	,	
	L0002384	, L0002385	, L0002386	, L0002387	, L0002388	, L0002389	, L0002390	, L0002391	,	
	L0002392	, L0002393	, L0002394	, L0002395	, L0002396	, L0002397	, L0002398	, L0002399	,	
	L0002400	, L0002401	, L0002402	, L0002403	, L0002404	, L0002405	, L0002406	, L0002407	,	
	L0002408	, L0002409	, L0002410	, L0002411	, L0002412	, L0002413	, L0002414	, L0002415	,	
	L0002416	, L0002417	, L0002418	, L0002419	, L0002420	, L0002421	, L0002422	, L0002423	,	
	L0002424	, L0002425	, L0002426	, L0002427	, L0002428	, L0002429	, L0002430	, L0002431	,	
	L0002432	, L0002433	, L0002434	, L0002435	, L0002436	, L0002437	, L0002438	, L0002439	,	
	L0002440	, L0002441	, L0002442	, L0002443	, L0002444	, L0002445	, L0002446	, L0002447	,	
	L0002448	, L0002449	, L0002450	, L0002451	, L0002452	, L0002453	, L0002454	, L0002455	,	

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB2

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID -----	URBAN POP -----	SOURCE IDs -----								
		L0002456	, L0002457	, L0002458	, L0002459	, L0002460	, L0002461	, L0002462	, L0002463	,
		L0002464	, L0002465	, L0002466	, L0002467	, L0002468	, L0002469	, L0002470	, L0002471	,
		L0002472	, L0002473	, L0002474	, L0002475	, L0002476	, L0002477	, L0002478	, L0002479	,
		L0002480	, L0002481	, L0002482	, L0002483	, L0002484	, L0002485	, L0002486	, L0002487	,
		L0002488	, L0002489	, L0002490	, L0002491	, L0002492	, L0002493	, L0002494	, L0002495	,
		L0002496	, L0002497	, L0002498	, L0002499	, L0002500	, L0002501	, L0002502	, L0002503	,
		L0002504	, L0002505	, L0002506	, L0002507	, L0002508	, L0002509	, L0002510	, L0002511	,
		L0002512	, L0002513	, L0002514	, L0002515	, L0002516	, L0002517	, L0002518	, L0002519	,
		L0002520	, L0002521	, L0002522	, L0002523	, L0002524	, L0002525	, L0002526	, L0002527	,
		L0002528	, L0002529	, L0002530	, L0002531	, L0002532	, L0002533	, L0002534	, L0002535	,
		L0002536	, L0002537	, L0002538	, L0002539	, L0002540	, L0002541	, L0002542	, L0002543	,
		L0002544	, L0002545	, L0002546	, L0002547	, L0002548	, L0002549	, L0002550	, L0002551	,
		L0002552	, L0002553	, L0002554	, L0002555	, L0002556	, L0002557	, L0002558	, L0002559	,
		L0002560	, L0002561	, L0002562	, L0002563	, L0002564	, L0002565	, L0002566	, L0002567	,
		L0002568	, L0002569	, L0002570	, L0002571	, L0002572	, L0002573	, L0002574	, L0002575	,
		L0002576	, L0002577	, L0002578	, L0002579	, L0002580	, L0002581	, L0002582	, L0002583	,
		L0002584	, L0002585	, L0002586	, L0002587	, L0002588	, L0002589	, L0002590	, L0002591	,
		L0002592	, L0002593	, L0002594	, L0002595	, L0002596	, L0002597	, L0002598	, L0002599	,
		L0002600	, L0002601	, L0002602	, L0002603	, L0002604	, L0002605	, L0002606	, L0002607	,
		L0002608	, L0002609	, L0002610	, L0002611	, L0002612	, L0002613	, L0002614	, L0002615	,

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
*** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB2

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs														
-----	-----	-----														
	L0002616	,	L0002617	,	L0002618	,	L0002619	,	L0002620	,	L0002621	,	L0002622	,	L0002623	,
	L0002624	,	L0002625	,	L0002626	,	L0002627	,	L0002628	,	L0002629	,	L0002630	,	L0002631	,
	L0002632	,	L0002633	,	L0002634	,	L0002635	,	L0002636	,	L0002637	,	L0002638	,	L0002639	,
	L0002640	,	L0002641	,	L0002642	,	L0002643	,	L0002644	,	L0002645	,	L0002646	,	L0002647	,
	L0002648	,	L0002649	,	L0002650	,	L0002651	,	L0002652	,	L0002653	,	L0002654	,	L0002655	,
	L0002656	,	L0002657	,	L0002658	,	L0002659	,	L0002660	,	L0002661	,	L0002662	,	L0002663	,
	L0002664	,	L0002665	,	L0002666	,	L0002667	,	L0002668	,	L0002669	,	L0002670	,	L0002671	,
	L0002672	,	L0002673	,	L0002674	,	L0002675	,	L0002676	,	L0002677	,	L0002678	,	L0002679	,
	L0002680	,	L0002681	,	L0002682	,	L0002683	,	L0002684	,	L0002685	,	L0002686	,	L0002687	,
	L0002688	,	L0002689	,												

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB2

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	475874.83	475924.83	475974.83	476024.83	476074.83	476124.83	476174.83	476224.83	476274.83
3747061.50	463.70	462.50	462.70	460.80	459.50	458.90	458.70	458.30	458.00
3747011.50	463.90	464.60	463.40	462.80	459.90	459.40	458.90	458.70	458.10
3746961.50	465.10	468.70	463.60	467.40	464.50	462.40	460.60	459.60	458.60
3746911.50	464.30	467.90	464.30	466.30	464.10	461.70	460.40	459.50	458.50
3746861.50	463.50	463.20	464.90	464.50	462.70	460.10	459.70	459.30	458.30
3746811.50	463.60	462.30	463.40	464.40	463.30	460.20	459.70	459.20	458.40
3746761.50	463.10	462.30	462.00	464.10	463.80	460.40	459.80	459.30	458.60
3746711.50	463.50	462.70	462.10	463.00	464.20	460.80	459.90	459.40	458.80
3746661.50	464.70	463.90	463.10	462.80	464.00	461.60	460.10	459.60	459.00
3746611.50	465.20	464.10	463.80	463.20	463.30	462.40	460.30	459.80	459.40
3746561.50	465.30	464.70	464.10	463.70	463.00	462.70	460.90	460.50	460.10
3746511.50	465.30	465.00	464.70	464.10	463.10	462.70	461.80	460.90	460.30
3746461.50	466.00	465.30	464.80	464.00	463.20	462.60	462.20	461.20	460.70
3746411.50	466.20	465.40	464.60	463.80	463.20	462.70	462.60	461.60	461.00
3746361.50	466.20	465.30	464.60	464.00	463.50	463.00	462.70	462.00	461.00
3746311.50	466.30	465.60	465.00	464.50	463.90	463.30	462.60	462.20	460.90
3746261.50	466.40	465.70	465.10	464.50	463.90	463.30	462.60	462.20	461.10
3746211.50	466.60	465.90	465.20	464.50	463.80	463.20	462.60	462.00	461.40
3746161.50	466.20	465.20	464.60	464.20	463.60	463.10	462.60	461.90	461.40
3746111.50	464.70	463.90	463.60	463.50	463.30	463.10	462.50	461.80	461.30
3746061.50	464.80	464.50	464.00	463.80	463.90	463.80	462.90	461.50	461.10
3746011.50	465.10	464.70	464.00	463.80	463.90	463.80	463.00	461.40	461.20
3745961.50	465.30	464.60	464.00	463.80	463.80	463.80	463.00	461.50	461.10
3745911.50	465.20	464.20	463.80	463.70	463.70	463.60	462.90	461.30	460.10
3745861.50	465.00	463.80	463.30	463.20	462.70	462.10	461.60	461.00	459.40
3745811.50	465.20	464.00	463.50	463.60	464.50	463.00	461.50	461.00	459.20
3745761.50	465.40	464.40	463.50	463.70	463.50	462.60	462.10	461.70	460.80

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB2

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	476324.83	476374.83	476424.83	476474.83	476524.83	476574.83	476624.83	476674.83	476724.83
3747061.50	457.90	457.50	457.00	456.20	455.80	455.30	455.20	454.80	454.50
3747011.50	458.10	457.80	457.10	456.50	456.00	455.20	455.40	455.00	454.50
3746961.50	458.30	457.70	457.20	456.60	456.20	455.90	455.70	455.10	454.70
3746911.50	457.70	458.30	457.30	456.60	456.30	455.90	455.70	455.20	454.70
3746861.50	457.00	456.40	458.30	456.60	456.10	455.90	455.70	455.30	454.60
3746811.50	457.50	456.80	457.80	457.20	456.40	456.20	455.90	455.40	454.90
3746761.50	458.10	458.10	457.70	457.70	456.80	456.40	456.10	455.70	455.20
3746711.50	458.30	458.50	458.10	457.60	457.10	456.60	456.20	456.00	455.40
3746661.50	458.50	458.50	458.30	457.60	457.00	456.70	456.20	455.80	455.30
3746611.50	459.00	459.00	458.90	457.90	456.90	456.60	456.30	455.60	455.30
3746561.50	459.60	459.30	459.00	458.10	457.30	456.60	456.00	455.60	455.20
3746511.50	459.80	459.30	458.70	458.10	457.50	456.90	456.30	455.80	455.40
3746461.50	460.10	459.50	458.90	458.20	457.60	456.90	456.40	456.00	455.50
3746411.50	460.30	459.60	459.00	458.40	457.80	457.20	456.60	456.00	455.70
3746361.50	460.40	459.80	459.20	458.60	457.90	457.30	456.80	456.10	455.70
3746311.50	460.30	459.80	459.20	458.60	458.00	457.50	456.90	456.20	455.70
3746261.50	460.40	459.90	459.20	458.60	458.00	457.60	457.10	456.30	455.80
3746211.50	460.60	460.20	459.30	458.70	458.20	457.70	457.10	456.40	455.90
3746161.50	460.40	459.80	459.20	458.60	458.00	457.50	457.20	456.50	456.00
3746111.50	460.40	459.60	459.00	458.50	458.10	457.70	457.40	456.70	456.30
3746061.50	460.50	459.50	459.00	458.60	458.20	457.80	457.60	456.90	456.30
3746011.50	460.80	459.50	459.10	458.60	458.30	457.90	457.60	456.60	455.30
3745961.50	460.90	459.60	459.20	458.60	458.20	457.70	457.60	456.40	455.50
3745911.50	460.90	460.30	459.50	458.90	458.30	457.60	457.60	456.40	455.60
3745861.50	460.90	460.80	459.50	459.00	458.40	457.60	457.30	456.40	455.30
3745811.50	460.70	460.90	459.60	459.00	458.40	457.70	457.30	456.10	455.10
3745761.50	461.00	460.70	460.00	459.10	458.40	457.80	457.30	456.20	455.70

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB2

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	477224.83	477274.83	477324.83	477374.83	477424.83	477474.83
3747061.50	452.00	451.00	450.60	450.80	450.70	450.50
3747011.50	452.60	451.40	450.60	450.60	450.70	450.30
3746961.50	452.80	451.60	451.10	450.90	450.70	450.30
3746911.50	452.10	451.40	451.20	451.00	450.70	450.30
3746861.50	451.60	451.30	451.10	450.80	450.50	450.30
3746811.50	451.30	451.10	450.90	450.70	450.40	450.20
3746761.50	451.00	450.90	450.80	450.50	450.20	450.00
3746711.50	450.80	450.70	450.50	450.30	450.00	449.80
3746661.50	450.40	450.40	450.30	450.20	449.80	449.60
3746611.50	450.50	450.20	450.10	449.90	449.60	449.40
3746561.50	450.70	450.30	449.80	449.50	449.30	448.30
3746511.50	450.80	450.50	450.20	450.00	449.60	449.50
3746461.50	450.80	450.40	450.30	450.00	449.80	449.50
3746411.50	451.20	450.70	450.10	449.90	449.90	449.40
3746361.50	451.40	451.00	450.50	449.90	449.80	449.40
3746311.50	451.40	451.00	450.50	450.10	449.70	449.50
3746261.50	451.50	451.10	450.70	450.20	449.80	449.70
3746211.50	451.70	451.20	450.80	450.40	449.90	449.60
3746161.50	451.70	451.40	451.00	450.60	450.20	449.70
3746111.50	451.80	451.50	451.10	450.70	450.30	449.80
3746061.50	451.80	451.40	451.10	450.70	450.30	449.80
3746011.50	451.90	451.50	451.10	450.70	450.20	449.80
3745961.50	451.90	451.40	451.00	450.70	450.30	449.90
3745911.50	450.90	451.10	451.10	450.70	450.40	450.10
3745861.50	450.80	451.00	451.30	450.80	450.50	450.20
3745811.50	450.90	451.10	451.30	450.90	450.70	450.50
3745761.50	451.90	451.70	451.50	451.20	450.90	450.60

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB2

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	476324.83	476374.83	476424.83	476474.83	476524.83	476574.83	476624.83	476674.83	476724.83
3747061.50	457.90	457.50	457.00	456.20	455.80	455.30	455.20	454.80	454.50
3747011.50	458.10	457.80	457.10	456.50	456.00	455.20	455.40	455.00	454.50
3746961.50	458.30	457.70	457.20	456.60	456.20	455.90	455.70	455.10	454.70
3746911.50	457.70	458.30	457.30	456.60	456.30	455.90	455.70	455.20	454.70
3746861.50	457.00	456.40	458.30	456.60	456.10	455.90	455.70	455.30	454.60
3746811.50	457.50	456.80	457.80	457.20	456.40	456.20	455.90	455.40	454.90
3746761.50	458.10	458.10	457.70	457.70	456.80	456.40	456.10	455.70	455.20
3746711.50	458.30	458.50	458.10	457.60	457.10	456.60	456.20	456.00	455.40
3746661.50	458.50	458.50	458.30	457.60	457.00	456.70	456.20	455.80	455.30
3746611.50	459.00	459.00	458.90	457.90	456.90	456.60	456.30	455.60	455.30
3746561.50	459.60	459.30	459.00	458.10	457.30	456.60	456.00	455.60	455.20
3746511.50	459.80	459.30	458.70	458.10	457.50	456.90	456.30	455.80	455.40
3746461.50	460.10	459.50	458.90	458.20	457.60	456.90	456.40	456.00	455.50
3746411.50	460.30	459.60	459.00	458.40	457.80	457.20	456.60	456.00	455.70
3746361.50	460.40	459.80	459.20	458.60	457.90	457.30	456.80	456.10	455.70
3746311.50	460.30	459.80	459.20	458.60	458.00	457.50	456.90	456.20	455.70
3746261.50	460.40	459.90	459.20	458.60	458.00	457.60	457.10	456.30	455.80
3746211.50	460.60	460.20	459.30	458.70	458.20	457.70	457.10	456.40	455.90
3746161.50	460.40	459.80	459.20	458.60	458.00	457.50	457.20	456.50	456.00
3746111.50	460.40	459.60	459.00	458.50	458.10	457.70	457.40	456.70	456.30
3746061.50	460.50	459.50	459.00	458.60	458.20	457.80	457.60	456.90	456.30
3746011.50	460.80	459.50	459.10	458.60	458.30	457.90	457.60	456.60	455.30
3745961.50	460.90	459.60	459.20	458.60	458.20	457.70	457.60	456.40	455.50
3745911.50	460.90	460.30	459.50	458.90	458.30	457.60	457.60	456.40	455.60
3745861.50	460.90	460.80	459.50	459.00	458.40	457.60	457.30	456.40	455.30
3745811.50	460.70	460.90	459.60	459.00	458.40	457.70	457.30	456.10	455.10
3745761.50	461.00	460.70	460.00	459.10	458.40	457.80	457.30	456.20	455.70

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
*** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB2

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	476774.83	476824.83	476874.83	476924.83	476974.83	477024.83	477074.83	477124.83	477174.83
3747061.50	454.20	453.90	453.30	452.40	451.40	452.50	453.50	453.70	453.30
3747011.50	454.20	453.80	453.50	452.90	451.60	451.40	452.80	453.50	453.40
3746961.50	454.30	454.00	453.60	453.10	452.30	451.00	451.80	453.00	453.40
3746911.50	454.50	454.30	453.80	453.20	452.60	451.50	450.90	452.20	452.70
3746861.50	454.30	454.00	453.60	453.00	452.70	452.10	450.90	451.30	451.60
3746811.50	454.50	454.00	453.50	453.10	452.70	452.40	451.70	450.80	451.30
3746761.50	454.70	454.20	453.70	453.20	452.80	452.40	451.80	451.40	451.00
3746711.50	455.30	454.60	453.70	453.30	452.80	452.40	451.90	451.40	450.70
3746661.50	455.10	454.40	453.60	453.20	452.70	452.30	451.80	451.30	450.90
3746611.50	454.90	454.30	453.70	453.20	452.70	452.20	451.80	451.40	451.00
3746561.50	454.70	454.30	453.80	453.30	452.90	452.40	452.00	451.50	451.10
3746511.50	454.80	454.30	453.90	453.40	452.90	452.50	452.00	451.60	451.10
3746461.50	454.90	454.40	453.90	453.40	452.90	452.50	452.00	451.60	451.30
3746411.50	454.90	454.30	453.80	453.30	453.00	452.60	452.20	451.90	451.50
3746361.50	455.00	454.40	453.90	453.40	453.10	452.90	452.50	452.20	451.80
3746311.50	455.10	454.60	454.20	453.80	453.40	453.10	452.80	452.30	451.90
3746261.50	455.30	454.90	454.40	454.00	453.60	453.20	452.90	452.40	452.00
3746211.50	455.50	455.10	454.60	454.20	453.80	453.40	453.00	452.60	452.10
3746161.50	455.70	455.30	454.80	454.40	454.00	453.50	453.00	452.60	452.10
3746111.50	455.90	455.50	455.00	454.50	454.20	453.50	453.00	452.60	452.20
3746061.50	455.90	455.40	454.90	454.40	454.10	453.50	453.10	452.70	452.30
3746011.50	454.80	454.40	453.90	453.30	453.00	453.20	453.10	452.80	452.40
3745961.50	454.90	454.40	454.10	453.90	453.60	453.30	453.00	452.60	452.30
3745911.50	454.90	454.40	454.10	453.90	453.60	453.30	453.00	452.50	452.20
3745861.50	454.80	454.40	454.10	453.90	453.60	453.30	452.90	452.50	452.20
3745811.50	454.70	454.50	454.20	453.70	453.20	453.00	452.70	452.90	452.70
3745761.50	455.40	455.00	454.70	454.30	453.80	453.50	453.10	452.90	452.70

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB2

*** 01/27/22
 *** 10:03:08
 *** PAGE 26

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	477224.83	477274.83	477324.83	477374.83	477424.83	477474.83
3747061.50	452.00	451.00	450.60	450.80	450.70	450.50
3747011.50	452.60	451.40	450.60	450.60	450.70	450.30
3746961.50	452.80	451.60	451.10	450.90	450.70	450.30
3746911.50	452.10	451.40	451.20	451.00	450.70	450.30
3746861.50	451.60	451.30	451.10	450.80	450.50	450.30
3746811.50	451.30	451.10	450.90	450.70	450.40	450.20
3746761.50	451.00	450.90	450.80	450.50	450.20	450.00
3746711.50	450.80	450.70	450.50	450.30	450.00	449.80
3746661.50	450.40	450.40	450.30	450.20	449.80	449.60
3746611.50	450.50	450.20	450.10	449.90	449.60	449.40
3746561.50	450.70	450.30	449.80	449.50	449.30	448.30
3746511.50	450.80	450.50	450.20	450.00	449.60	449.50
3746461.50	450.80	450.40	450.30	450.00	449.80	449.50
3746411.50	451.20	450.70	450.10	449.90	449.90	449.40
3746361.50	451.40	451.00	450.50	449.90	449.80	449.40
3746311.50	451.40	451.00	450.50	450.10	449.70	449.50
3746261.50	451.50	451.10	450.70	450.20	449.80	449.70
3746211.50	451.70	451.20	450.80	450.40	449.90	449.60
3746161.50	451.70	451.40	451.00	450.60	450.20	449.70
3746111.50	451.80	451.50	451.10	450.70	450.30	449.80
3746061.50	451.80	451.40	451.10	450.70	450.30	449.80
3746011.50	451.90	451.50	451.10	450.70	450.20	449.80
3745961.50	451.90	451.40	451.00	450.70	450.30	449.90
3745911.50	450.90	451.10	451.10	450.70	450.40	450.10
3745861.50	450.80	451.00	451.30	450.80	450.50	450.20
3745811.50	450.90	451.10	451.30	450.90	450.70	450.50
3745761.50	451.90	451.70	451.50	451.20	450.90	450.60

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
*** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB2

*** 01/27/22
*** 10:03:08
*** PAGE 27

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

(476626.2, 3746355.7,	456.8,	456.8,	0.0);	(477039.0, 3746208.7,	453.4,	453.4,	0.0);
(477072.9, 3746156.0,	453.0,	453.0,	0.0);	(476626.4, 3746197.4,	457.1,	457.1,	0.0);
(476701.9, 3746456.7,	455.7,	455.7,	0.0);	(476916.7, 3746454.7,	453.5,	453.5,	0.0);
(476963.6, 3746058.0,	454.0,	454.0,	0.0);	(476619.8, 3746545.9,	456.1,	456.1,	0.0);

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB2

*** 01/27/22
 *** 10:03:08
 *** PAGE 28

*** 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 --		DISTANCE (METERS)
	XR (METERS)	YR (METERS)	
L0002341	476624.8	3746561.5	0.54
L0002342	476624.8	3746561.5	-5.65
L0002343	476624.8	3746561.5	0.42
L0002355	476524.8	3746611.5	-0.52
L0002373	476474.8	3746761.5	-6.21
L0002374	476474.8	3746761.5	-1.86
L0002408	476274.8	3746961.5	-0.56
L0002409	476274.8	3746961.5	-5.77
L0002441	476674.8	3746161.5	-2.81
L0002442	476674.8	3746161.5	-2.02
L0002466	476674.8	3746361.5	-0.17
L0002467	476674.8	3746361.5	-2.90
L0002523	476724.8	3746061.5	0.68
L0002586	476974.8	3746411.5	-3.40
L0002587	476974.8	3746411.5	-3.93

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB2

*** 01/27/22
 *** 10:03:08
 *** PAGE 30

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: PERI_v9.SFC
 Profile file: PERI_v9.PFL
 Surface format: FREE
 Profile format: FREE
 Surface station no.: 3171
 Name: UNKNOWN
 Year: 2010

Upper air station no.: 3190
 Name: UNKNOWN
 Year: 2010

Met Version: 16216

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)

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance *** 01/27/22
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB2 *** 10:03:08
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0002296 , L0002297 , L0002298 , L0002299 , L0002300 ,
 L0002301 , L0002302 , L0002303 , L0002304 , L0002305 , L0002306 , L0002307 , L0002308 ,
 L0002309 , L0002310 , L0002311 , L0002312 , L0002313 , L0002314 , L0002315 , L0002316 ,
 L0002317 , L0002318 , L0002319 , L0002320 , L0002321 , L0002322 , L0002323 , . . .

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

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

Y-COORD (METERS)	475874.83	475924.83	475974.83	X-COORD (METERS)		476124.83	476174.83	476224.83	476274.83
				476024.83	476074.83				
3747061.50	0.00016	0.00018	0.00022	0.00026	0.00030	0.00034	0.00037	0.00039	0.00040
3747011.50	0.00017	0.00020	0.00025	0.00035	0.00045	0.00052	0.00056	0.00060	0.00063
3746961.50	0.00017	0.00020	0.00029	0.00076	0.00147	0.00165	0.00178	0.00192	0.00146
3746911.50	0.00018	0.00021	0.00028	0.00046	0.00069	0.00078	0.00082	0.00085	0.00087
3746861.50	0.00018	0.00021	0.00025	0.00032	0.00040	0.00046	0.00050	0.00054	0.00059
3746811.50	0.00018	0.00020	0.00023	0.00027	0.00031	0.00036	0.00040	0.00044	0.00050
3746761.50	0.00017	0.00020	0.00022	0.00025	0.00028	0.00033	0.00036	0.00040	0.00045
3746711.50	0.00017	0.00019	0.00022	0.00024	0.00026	0.00031	0.00034	0.00038	0.00043
3746661.50	0.00017	0.00019	0.00021	0.00023	0.00025	0.00029	0.00033	0.00037	0.00043
3746611.50	0.00017	0.00019	0.00020	0.00023	0.00025	0.00028	0.00033	0.00037	0.00042
3746561.50	0.00017	0.00018	0.00020	0.00022	0.00025	0.00028	0.00032	0.00037	0.00042
3746511.50	0.00016	0.00018	0.00020	0.00022	0.00025	0.00028	0.00032	0.00037	0.00043
3746461.50	0.00016	0.00018	0.00020	0.00022	0.00025	0.00028	0.00032	0.00037	0.00043
3746411.50	0.00016	0.00018	0.00020	0.00022	0.00025	0.00028	0.00032	0.00036	0.00042
3746361.50	0.00016	0.00018	0.00020	0.00022	0.00025	0.00028	0.00031	0.00036	0.00043
3746311.50	0.00016	0.00018	0.00019	0.00022	0.00024	0.00027	0.00031	0.00036	0.00043
3746261.50	0.00016	0.00017	0.00019	0.00021	0.00024	0.00027	0.00031	0.00036	0.00042
3746211.50	0.00015	0.00017	0.00019	0.00021	0.00024	0.00027	0.00030	0.00035	0.00041
3746161.50	0.00015	0.00017	0.00019	0.00021	0.00023	0.00026	0.00030	0.00034	0.00040
3746111.50	0.00015	0.00017	0.00019	0.00021	0.00023	0.00026	0.00029	0.00033	0.00039
3746061.50	0.00015	0.00017	0.00018	0.00020	0.00022	0.00025	0.00028	0.00032	0.00037
3746011.50	0.00015	0.00016	0.00018	0.00020	0.00021	0.00024	0.00027	0.00031	0.00035
3745961.50	0.00014	0.00016	0.00017	0.00019	0.00021	0.00023	0.00026	0.00029	0.00033
3745911.50	0.00014	0.00015	0.00017	0.00018	0.00020	0.00022	0.00024	0.00028	0.00032
3745861.50	0.00014	0.00015	0.00016	0.00018	0.00020	0.00021	0.00024	0.00027	0.00030
3745811.50	0.00013	0.00014	0.00016	0.00017	0.00018	0.00020	0.00023	0.00025	0.00028
3745761.50	0.00013	0.00014	0.00015	0.00016	0.00018	0.00019	0.00021	0.00023	0.00026

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*** AERMOD - VERSION 19191 ***   *** Duke Warehouse at Patterson and Nance   ***   01/27/22
*** AERMET - VERSION 16216 ***   *** Project Only DPM Concentration (2023) - AB2 ***   10:03:08
*** MODELOPTs:   RegDFault   CONC   ELEV   URBAN   ADJ_U*   ***   PAGE 32

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*** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL   ***
      INCLUDING SOURCE(S):   L0002296   ,   L0002297   ,   L0002298   ,   L0002299   ,   L0002300   ,
L0002301   ,   L0002302   ,   L0002303   ,   L0002304   ,   L0002305   ,   L0002306   ,   L0002307   ,   L0002308   ,
L0002309   ,   L0002310   ,   L0002311   ,   L0002312   ,   L0002313   ,   L0002314   ,   L0002315   ,   L0002316   ,
L0002317   ,   L0002318   ,   L0002319   ,   L0002320   ,   L0002321   ,   L0002322   ,   L0002323   ,   . . .   ,

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

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

Y-COORD (METERS)	476324.83	476374.83	476424.83	X-COORD (METERS)		476574.83	476624.83	476674.83	476724.83
				476474.83	476524.83				
3747061.50	0.00040	0.00038	0.00036	0.00034	0.00032	0.00031	0.00030	0.00029	0.00029
3747011.50	0.00059	0.00052	0.00046	0.00041	0.00037	0.00035	0.00034	0.00033	0.00032
3746961.50	0.00166	0.00092	0.00065	0.00051	0.00044	0.00040	0.00038	0.00037	0.00036
3746911.50	0.00105	0.00206	0.00139	0.00069	0.00053	0.00047	0.00043	0.00042	0.00040
3746861.50	0.00067	0.00087	0.00204	0.00105	0.00065	0.00054	0.00049	0.00047	0.00046
3746811.50	0.00057	0.00070	0.00110	0.00188	0.00080	0.00063	0.00057	0.00054	0.00052
3746761.50	0.00052	0.00064	0.00091	0.00180	0.00099	0.00073	0.00066	0.00062	0.00061
3746711.50	0.00050	0.00060	0.00081	0.00178	0.00128	0.00088	0.00077	0.00073	0.00071
3746661.50	0.00049	0.00059	0.00075	0.00121	0.00222	0.00110	0.00095	0.00089	0.00086
3746611.50	0.00049	0.00058	0.00071	0.00099	0.00210	0.00166	0.00129	0.00114	0.00107
3746561.50	0.00049	0.00057	0.00070	0.00090	0.00127	0.00220	0.00208	0.00159	0.00137
3746511.50	0.00049	0.00058	0.00070	0.00087	0.00112	0.00155	0.00323	0.00218	0.00188
3746461.50	0.00050	0.00059	0.00071	0.00089	0.00114	0.00159	0.00352	0.00340	0.00336
3746411.50	0.00051	0.00060	0.00073	0.00092	0.00120	0.00168	0.00303	0.00400	0.00437
3746361.50	0.00051	0.00061	0.00075	0.00095	0.00126	0.00180	0.00333	0.00501	0.01108
3746311.50	0.00051	0.00061	0.00076	0.00097	0.00130	0.00191	0.00371	0.00577	0.01671
3746261.50	0.00051	0.00061	0.00075	0.00097	0.00131	0.00194	0.00382	0.00601	0.01723
3746211.50	0.00049	0.00060	0.00074	0.00094	0.00127	0.00188	0.00369	0.00605	0.01704
3746161.50	0.00048	0.00058	0.00071	0.00090	0.00119	0.00169	0.00310	0.00532	0.01588
3746111.50	0.00046	0.00055	0.00067	0.00083	0.00107	0.00144	0.00211	0.00364	0.00686
3746061.50	0.00044	0.00051	0.00062	0.00075	0.00093	0.00119	0.00159	0.00237	0.00363
3746011.50	0.00041	0.00048	0.00056	0.00067	0.00081	0.00099	0.00122	0.00154	0.00188
3745961.50	0.00038	0.00044	0.00051	0.00060	0.00070	0.00082	0.00097	0.00114	0.00131
3745911.50	0.00035	0.00040	0.00046	0.00053	0.00060	0.00069	0.00079	0.00089	0.00100
3745861.50	0.00033	0.00036	0.00041	0.00047	0.00053	0.00059	0.00066	0.00073	0.00080
3745811.50	0.00030	0.00033	0.00037	0.00041	0.00046	0.00051	0.00056	0.00061	0.00066
3745761.50	0.00028	0.00031	0.00034	0.00037	0.00041	0.00044	0.00048	0.00052	0.00055

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB2

*** 01/27/22
 *** 10:03:08
 PAGE 36

*** MODELOPTs: RegDEFAULT 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	0.01723 AT (476724.83, 3746261.50, 455.80, 455.80, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.01704 AT (476724.83, 3746211.50, 455.90, 455.90, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.01684 AT (476974.83, 3746261.50, 453.60, 453.60, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.01683 AT (476974.83, 3746211.50, 453.80, 453.80, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.01671 AT (476724.83, 3746311.50, 455.70, 455.70, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.01633 AT (476974.83, 3746161.50, 454.00, 454.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.01632 AT (476974.83, 3746311.50, 453.40, 453.40, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.01588 AT (476724.83, 3746161.50, 456.00, 456.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.01437 AT (476974.83, 3746111.50, 454.20, 454.20, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.01393 AT (476974.83, 3746361.50, 453.10, 453.10, 0.00)	GC	UCART1

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

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
*** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB2

*** 01/27/22
*** 10:03:08
PAGE 37

*** 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 1027 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1027 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: 1/27/2022
** File: C:\Users\eliza\OneDrive - Albert A. Webb Associates\Desktop\Duke Patterson-Nance\ProjAB3\ProjAB3.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE Duke Warehouse at Patterson and Nance
  TITLETWO Project Only DPM Concentration (2023) - AB3
  MODELOPT DFAULT CONC
  AVERTIME PERIOD
  URBANOPT 2189641 Riverside_County
  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 Patterson Avenue B/n South Driveway and North Driveway
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.373E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 476636.197, 3746161.919, 457.18, 3.49, 4.00
** 476637.971, 3746438.456, 456.40, 3.49, 4.00
** -----
  LOCATION L0002296      VOLUME 476636.224 3746166.214 457.11

```

LOCATION	L0002297	VOLUME	476636.279	3746174.804	457.08
LOCATION	L0002298	VOLUME	476636.334	3746183.393	457.04
LOCATION	L0002299	VOLUME	476636.390	3746191.983	457.02
LOCATION	L0002300	VOLUME	476636.445	3746200.573	456.99
LOCATION	L0002301	VOLUME	476636.500	3746209.163	456.97
LOCATION	L0002302	VOLUME	476636.555	3746217.753	456.95
LOCATION	L0002303	VOLUME	476636.610	3746226.343	456.93
LOCATION	L0002304	VOLUME	476636.665	3746234.932	456.92
LOCATION	L0002305	VOLUME	476636.720	3746243.522	456.91
LOCATION	L0002306	VOLUME	476636.775	3746252.112	456.90
LOCATION	L0002307	VOLUME	476636.831	3746260.702	456.90
LOCATION	L0002308	VOLUME	476636.886	3746269.292	456.89
LOCATION	L0002309	VOLUME	476636.941	3746277.881	456.88
LOCATION	L0002310	VOLUME	476636.996	3746286.471	456.86
LOCATION	L0002311	VOLUME	476637.051	3746295.061	456.83
LOCATION	L0002312	VOLUME	476637.106	3746303.651	456.80
LOCATION	L0002313	VOLUME	476637.161	3746312.241	456.76
LOCATION	L0002314	VOLUME	476637.216	3746320.831	456.73
LOCATION	L0002315	VOLUME	476637.272	3746329.420	456.70
LOCATION	L0002316	VOLUME	476637.327	3746338.010	456.67
LOCATION	L0002317	VOLUME	476637.382	3746346.600	456.63
LOCATION	L0002318	VOLUME	476637.437	3746355.190	456.60
LOCATION	L0002319	VOLUME	476637.492	3746363.780	456.57
LOCATION	L0002320	VOLUME	476637.547	3746372.370	456.55
LOCATION	L0002321	VOLUME	476637.602	3746380.959	456.52
LOCATION	L0002322	VOLUME	476637.657	3746389.549	456.49
LOCATION	L0002323	VOLUME	476637.713	3746398.139	456.46
LOCATION	L0002324	VOLUME	476637.768	3746406.729	456.43
LOCATION	L0002325	VOLUME	476637.823	3746415.319	456.41
LOCATION	L0002326	VOLUME	476637.878	3746423.908	456.38
LOCATION	L0002327	VOLUME	476637.933	3746432.498	456.35

** End of LINE VOLUME Source ID = SLINE1

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC Patterson Avenue B/n North Driveway and Harley Knox Boulevard

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.41E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 476636.551, 3746440.586, 456.41, 3.49, 4.00

** 476636.906, 3746552.772, 455.91, 3.49, 4.00

** -----

LOCATION	L0002328	VOLUME	476636.565	3746444.881	456.33
LOCATION	L0002329	VOLUME	476636.592	3746453.471	456.31
LOCATION	L0002330	VOLUME	476636.619	3746462.061	456.28
LOCATION	L0002331	VOLUME	476636.646	3746470.651	456.26
LOCATION	L0002332	VOLUME	476636.674	3746479.240	456.25

LOCATION	L0002333	VOLUME	476636.701	3746487.830	456.23
LOCATION	L0002334	VOLUME	476636.728	3746496.420	456.21
LOCATION	L0002335	VOLUME	476636.755	3746505.010	456.19
LOCATION	L0002336	VOLUME	476636.782	3746513.600	456.17
LOCATION	L0002337	VOLUME	476636.809	3746522.190	456.15
LOCATION	L0002338	VOLUME	476636.837	3746530.780	456.08
LOCATION	L0002339	VOLUME	476636.864	3746539.370	456.01
LOCATION	L0002340	VOLUME	476636.891	3746547.960	455.93

** End of LINE VOLUME Source ID = SLINE2

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC Harley Knox Boulevard B/n Patterson Avenue and I-215 Ramps

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 8.486E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 13

** 476636.551, 3746555.257, 455.91, 3.49, 4.00

** 476603.889, 3746564.133, 456.23, 3.49, 4.00

** 476569.452, 3746582.239, 456.51, 3.49, 4.00

** 476535.015, 3746609.931, 456.83, 3.49, 4.00

** 476521.524, 3746633.007, 457.09, 3.49, 4.00

** 476518.684, 3746650.048, 457.14, 3.49, 4.00

** 476495.253, 3746695.491, 457.42, 3.49, 4.00

** 476455.846, 3746832.174, 457.99, 3.49, 4.00

** 476410.758, 3746903.178, 457.92, 3.49, 4.00

** 476326.263, 3746948.976, 458.13, 3.49, 4.00

** 476270.525, 3746959.626, 458.77, 3.49, 4.00

** 476232.182, 3746952.171, 459.54, 3.49, 4.00

** 476027.690, 3746949.331, 467.50, 3.49, 4.00

** -----

LOCATION	L0002341	VOLUME	476632.407	3746556.384	455.91
LOCATION	L0002342	VOLUME	476624.117	3746558.636	456.02
LOCATION	L0002343	VOLUME	476615.828	3746560.889	456.12
LOCATION	L0002344	VOLUME	476607.538	3746563.141	456.21
LOCATION	L0002345	VOLUME	476599.633	3746566.371	456.30
LOCATION	L0002346	VOLUME	476592.030	3746570.368	456.37
LOCATION	L0002347	VOLUME	476584.427	3746574.366	456.42
LOCATION	L0002348	VOLUME	476576.824	3746578.363	456.45
LOCATION	L0002349	VOLUME	476569.248	3746582.403	456.49
LOCATION	L0002350	VOLUME	476562.554	3746587.786	456.54
LOCATION	L0002351	VOLUME	476555.860	3746593.169	456.61
LOCATION	L0002352	VOLUME	476549.166	3746598.552	456.70
LOCATION	L0002353	VOLUME	476542.472	3746603.935	456.77
LOCATION	L0002354	VOLUME	476535.777	3746609.318	456.80
LOCATION	L0002355	VOLUME	476531.173	3746616.502	456.78
LOCATION	L0002356	VOLUME	476526.838	3746623.918	456.85
LOCATION	L0002357	VOLUME	476522.503	3746631.334	456.95

LOCATION	L0002358	VOLUME	476520.431	3746639.568	456.99
LOCATION	L0002359	VOLUME	476519.019	3746648.041	457.01
LOCATION	L0002360	VOLUME	476515.680	3746655.875	457.06
LOCATION	L0002361	VOLUME	476511.743	3746663.509	457.10
LOCATION	L0002362	VOLUME	476507.807	3746671.144	457.14
LOCATION	L0002363	VOLUME	476503.870	3746678.779	457.19
LOCATION	L0002364	VOLUME	476499.933	3746686.414	457.25
LOCATION	L0002365	VOLUME	476495.996	3746694.049	457.31
LOCATION	L0002366	VOLUME	476493.323	3746702.186	457.37
LOCATION	L0002367	VOLUME	476490.943	3746710.439	457.42
LOCATION	L0002368	VOLUME	476488.563	3746718.693	457.46
LOCATION	L0002369	VOLUME	476486.184	3746726.947	457.52
LOCATION	L0002370	VOLUME	476483.804	3746735.201	457.59
LOCATION	L0002371	VOLUME	476481.424	3746743.455	457.64
LOCATION	L0002372	VOLUME	476479.045	3746751.708	457.68
LOCATION	L0002373	VOLUME	476476.665	3746759.962	457.71
LOCATION	L0002374	VOLUME	476474.285	3746768.216	457.72
LOCATION	L0002375	VOLUME	476471.906	3746776.470	457.68
LOCATION	L0002376	VOLUME	476469.526	3746784.724	457.65
LOCATION	L0002377	VOLUME	476467.146	3746792.977	457.65
LOCATION	L0002378	VOLUME	476464.767	3746801.231	457.69
LOCATION	L0002379	VOLUME	476462.387	3746809.485	457.69
LOCATION	L0002380	VOLUME	476460.007	3746817.739	457.73
LOCATION	L0002381	VOLUME	476457.628	3746825.993	457.78
LOCATION	L0002382	VOLUME	476454.689	3746833.995	457.84
LOCATION	L0002383	VOLUME	476450.085	3746841.246	457.81
LOCATION	L0002384	VOLUME	476445.480	3746848.498	457.74
LOCATION	L0002385	VOLUME	476440.875	3746855.749	457.77
LOCATION	L0002386	VOLUME	476436.270	3746863.001	457.88
LOCATION	L0002387	VOLUME	476431.666	3746870.252	457.89
LOCATION	L0002388	VOLUME	476427.061	3746877.504	457.86
LOCATION	L0002389	VOLUME	476422.456	3746884.755	457.77
LOCATION	L0002390	VOLUME	476417.851	3746892.007	457.78
LOCATION	L0002391	VOLUME	476413.247	3746899.259	457.81
LOCATION	L0002392	VOLUME	476407.288	3746905.059	457.87
LOCATION	L0002393	VOLUME	476399.736	3746909.152	457.97
LOCATION	L0002394	VOLUME	476392.184	3746913.246	457.98
LOCATION	L0002395	VOLUME	476384.632	3746917.339	458.07
LOCATION	L0002396	VOLUME	476377.080	3746921.432	458.24
LOCATION	L0002397	VOLUME	476369.528	3746925.525	458.36
LOCATION	L0002398	VOLUME	476361.976	3746929.619	458.39
LOCATION	L0002399	VOLUME	476354.424	3746933.712	458.41
LOCATION	L0002400	VOLUME	476346.872	3746937.805	458.40
LOCATION	L0002401	VOLUME	476339.320	3746941.899	458.37
LOCATION	L0002402	VOLUME	476331.768	3746945.992	458.37
LOCATION	L0002403	VOLUME	476323.976	3746949.413	458.41
LOCATION	L0002404	VOLUME	476315.538	3746951.025	458.45
LOCATION	L0002405	VOLUME	476307.101	3746952.637	458.50
LOCATION	L0002406	VOLUME	476298.664	3746954.250	458.56
LOCATION	L0002407	VOLUME	476290.226	3746955.862	458.62
LOCATION	L0002408	VOLUME	476281.789	3746957.474	458.66

LOCATION	VOLUME				
LOCATION L0002409	VOLUME	476273.352	3746959.086	458.69	
LOCATION L0002410	VOLUME	476264.918	3746958.536	458.86	
LOCATION L0002411	VOLUME	476256.486	3746956.897	459.07	
LOCATION L0002412	VOLUME	476248.054	3746955.257	459.28	
LOCATION L0002413	VOLUME	476239.622	3746953.618	459.46	
LOCATION L0002414	VOLUME	476231.171	3746952.157	459.63	
LOCATION L0002415	VOLUME	476222.582	3746952.038	459.80	
LOCATION L0002416	VOLUME	476213.993	3746951.918	459.94	
LOCATION L0002417	VOLUME	476205.403	3746951.799	460.08	
LOCATION L0002418	VOLUME	476196.814	3746951.680	460.22	
LOCATION L0002419	VOLUME	476188.225	3746951.560	460.49	
LOCATION L0002420	VOLUME	476179.636	3746951.441	460.79	
LOCATION L0002421	VOLUME	476171.047	3746951.322	461.09	
LOCATION L0002422	VOLUME	476162.458	3746951.203	461.44	
LOCATION L0002423	VOLUME	476153.868	3746951.083	461.79	
LOCATION L0002424	VOLUME	476145.279	3746950.964	462.15	
LOCATION L0002425	VOLUME	476136.690	3746950.845	462.54	
LOCATION L0002426	VOLUME	476128.101	3746950.725	462.94	
LOCATION L0002427	VOLUME	476119.512	3746950.606	463.34	
LOCATION L0002428	VOLUME	476110.923	3746950.487	463.75	
LOCATION L0002429	VOLUME	476102.333	3746950.368	464.17	
LOCATION L0002430	VOLUME	476093.744	3746950.248	464.59	
LOCATION L0002431	VOLUME	476085.155	3746950.129	465.01	
LOCATION L0002432	VOLUME	476076.566	3746950.010	465.42	
LOCATION L0002433	VOLUME	476067.977	3746949.890	465.84	
LOCATION L0002434	VOLUME	476059.388	3746949.771	466.44	
LOCATION L0002435	VOLUME	476050.798	3746949.652	467.08	
LOCATION L0002436	VOLUME	476042.209	3746949.532	467.72	
LOCATION L0002437	VOLUME	476033.620	3746949.413	467.79	

** End of LINE VOLUME Source ID = SLINE3

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC South Driveway

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 2.083E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 9

** 476639.331, 3746159.511, 457.15, 3.49, 4.00

** 476669.892, 3746159.511, 456.63, 3.49, 4.00

** 476673.047, 3746172.216, 456.68, 3.49, 4.00

** 476661.141, 3746192.630, 456.72, 3.49, 4.00

** 476653.947, 3746226.215, 456.63, 3.49, 4.00

** 476654.213, 3746354.838, 456.34, 3.49, 4.00

** 476656.339, 3746356.433, 456.32, 3.49, 4.00

** 476673.347, 3746356.167, 456.20, 3.49, 4.00

** 476696.999, 3746356.167, 456.01, 3.49, 4.00

** -----

LOCATION	L0002438	VOLUME	476643.626	3746159.511	457.02
LOCATION	L0002439	VOLUME	476652.216	3746159.511	456.88
LOCATION	L0002440	VOLUME	476660.806	3746159.511	456.74
LOCATION	L0002441	VOLUME	476669.396	3746159.511	456.60
LOCATION	L0002442	VOLUME	476671.843	3746167.366	456.55
LOCATION	L0002443	VOLUME	476671.236	3746175.320	456.54
LOCATION	L0002444	VOLUME	476666.909	3746182.740	456.59
LOCATION	L0002445	VOLUME	476662.581	3746190.160	456.63
LOCATION	L0002446	VOLUME	476659.940	3746198.234	456.64
LOCATION	L0002447	VOLUME	476658.141	3746206.633	456.64
LOCATION	L0002448	VOLUME	476656.342	3746215.033	456.64
LOCATION	L0002449	VOLUME	476654.543	3746223.432	456.65
LOCATION	L0002450	VOLUME	476653.959	3746231.959	456.64
LOCATION	L0002451	VOLUME	476653.977	3746240.549	456.62
LOCATION	L0002452	VOLUME	476653.995	3746249.139	456.60
LOCATION	L0002453	VOLUME	476654.012	3746257.729	456.59
LOCATION	L0002454	VOLUME	476654.030	3746266.319	456.58
LOCATION	L0002455	VOLUME	476654.048	3746274.909	456.57
LOCATION	L0002456	VOLUME	476654.066	3746283.499	456.55
LOCATION	L0002457	VOLUME	476654.083	3746292.089	456.53
LOCATION	L0002458	VOLUME	476654.101	3746300.679	456.51
LOCATION	L0002459	VOLUME	476654.119	3746309.269	456.48
LOCATION	L0002460	VOLUME	476654.137	3746317.859	456.47
LOCATION	L0002461	VOLUME	476654.154	3746326.449	456.45
LOCATION	L0002462	VOLUME	476654.172	3746335.039	456.43
LOCATION	L0002463	VOLUME	476654.190	3746343.629	456.40
LOCATION	L0002464	VOLUME	476654.208	3746352.219	456.37
LOCATION	L0002465	VOLUME	476659.652	3746356.381	456.29
LOCATION	L0002466	VOLUME	476668.241	3746356.247	456.19
LOCATION	L0002467	VOLUME	476676.830	3746356.167	456.10
LOCATION	L0002468	VOLUME	476685.420	3746356.167	456.02
LOCATION	L0002469	VOLUME	476694.010	3746356.167	455.96

** End of LINE VOLUME Source ID = SLINE4

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE5

** DESCRSRC North Driveway

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 6.828E-07

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 3

** 476639.140, 3746440.166, 456.39, 3.49, 4.00

** 476688.049, 3746440.518, 455.90, 3.49, 4.00

** 476698.033, 3746440.590, 455.82, 3.49, 4.00

** -----

LOCATION	L0002470	VOLUME	476643.435	3746440.197	456.28
LOCATION	L0002471	VOLUME	476652.025	3746440.259	456.19
LOCATION	L0002472	VOLUME	476660.614	3746440.320	456.11

LOCATION	L0002473	VOLUME	476669.204	3746440.382	456.03
LOCATION	L0002474	VOLUME	476677.794	3746440.444	455.95
LOCATION	L0002475	VOLUME	476686.384	3746440.506	455.88
LOCATION	L0002476	VOLUME	476694.974	3746440.568	455.81

** End of LINE VOLUME Source ID = SLINE5

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE6

** DESCRSRC Western Drive Aisle

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 4.777E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 3

** 476699.079, 3746441.387, 455.82, 3.49, 4.00

** 476698.794, 3746070.330, 456.56, 3.49, 4.00

** 476984.386, 3746071.802, 453.89, 3.49, 4.00

** -----

LOCATION	L0002477	VOLUME	476699.075	3746437.092	455.78
LOCATION	L0002478	VOLUME	476699.069	3746428.502	455.80
LOCATION	L0002479	VOLUME	476699.062	3746419.912	455.85
LOCATION	L0002480	VOLUME	476699.056	3746411.322	455.91
LOCATION	L0002481	VOLUME	476699.049	3746402.732	455.96
LOCATION	L0002482	VOLUME	476699.043	3746394.142	455.97
LOCATION	L0002483	VOLUME	476699.036	3746385.552	455.97
LOCATION	L0002484	VOLUME	476699.029	3746376.962	455.97
LOCATION	L0002485	VOLUME	476699.023	3746368.372	455.96
LOCATION	L0002486	VOLUME	476699.016	3746359.782	455.94
LOCATION	L0002487	VOLUME	476699.010	3746351.192	455.92
LOCATION	L0002488	VOLUME	476699.003	3746342.602	455.90
LOCATION	L0002489	VOLUME	476698.996	3746334.012	455.90
LOCATION	L0002490	VOLUME	476698.990	3746325.422	455.91
LOCATION	L0002491	VOLUME	476698.983	3746316.832	455.93
LOCATION	L0002492	VOLUME	476698.977	3746308.242	455.95
LOCATION	L0002493	VOLUME	476698.970	3746299.652	455.96
LOCATION	L0002494	VOLUME	476698.963	3746291.062	455.98
LOCATION	L0002495	VOLUME	476698.957	3746282.472	456.00
LOCATION	L0002496	VOLUME	476698.950	3746273.882	456.02
LOCATION	L0002497	VOLUME	476698.944	3746265.292	456.03
LOCATION	L0002498	VOLUME	476698.937	3746256.702	456.05
LOCATION	L0002499	VOLUME	476698.931	3746248.112	456.06
LOCATION	L0002500	VOLUME	476698.924	3746239.522	456.09
LOCATION	L0002501	VOLUME	476698.917	3746230.932	456.11
LOCATION	L0002502	VOLUME	476698.911	3746222.342	456.14
LOCATION	L0002503	VOLUME	476698.904	3746213.752	456.16
LOCATION	L0002504	VOLUME	476698.898	3746205.162	456.18
LOCATION	L0002505	VOLUME	476698.891	3746196.572	456.21
LOCATION	L0002506	VOLUME	476698.884	3746187.982	456.23
LOCATION	L0002507	VOLUME	476698.878	3746179.392	456.24

LOCATION	L0002508	VOLUME	476698.871	3746170.802	456.24
LOCATION	L0002509	VOLUME	476698.865	3746162.212	456.25
LOCATION	L0002510	VOLUME	476698.858	3746153.622	456.25
LOCATION	L0002511	VOLUME	476698.851	3746145.032	456.30
LOCATION	L0002512	VOLUME	476698.845	3746136.442	456.35
LOCATION	L0002513	VOLUME	476698.838	3746127.852	456.39
LOCATION	L0002514	VOLUME	476698.832	3746119.262	456.43
LOCATION	L0002515	VOLUME	476698.825	3746110.672	456.47
LOCATION	L0002516	VOLUME	476698.819	3746102.082	456.51
LOCATION	L0002517	VOLUME	476698.812	3746093.492	456.54
LOCATION	L0002518	VOLUME	476698.805	3746084.902	456.55
LOCATION	L0002519	VOLUME	476698.799	3746076.312	456.55
LOCATION	L0002520	VOLUME	476701.401	3746070.343	456.51
LOCATION	L0002521	VOLUME	476709.991	3746070.387	456.42
LOCATION	L0002522	VOLUME	476718.581	3746070.432	456.34
LOCATION	L0002523	VOLUME	476727.171	3746070.476	456.26
LOCATION	L0002524	VOLUME	476735.761	3746070.520	456.19
LOCATION	L0002525	VOLUME	476744.351	3746070.564	456.14
LOCATION	L0002526	VOLUME	476752.941	3746070.609	456.08
LOCATION	L0002527	VOLUME	476761.530	3746070.653	456.01
LOCATION	L0002528	VOLUME	476770.120	3746070.697	455.95
LOCATION	L0002529	VOLUME	476778.710	3746070.741	455.88
LOCATION	L0002530	VOLUME	476787.300	3746070.786	455.81
LOCATION	L0002531	VOLUME	476795.890	3746070.830	455.73
LOCATION	L0002532	VOLUME	476804.480	3746070.874	455.66
LOCATION	L0002533	VOLUME	476813.070	3746070.919	455.58
LOCATION	L0002534	VOLUME	476821.660	3746070.963	455.49
LOCATION	L0002535	VOLUME	476830.250	3746071.007	455.40
LOCATION	L0002536	VOLUME	476838.839	3746071.051	455.31
LOCATION	L0002537	VOLUME	476847.429	3746071.096	455.22
LOCATION	L0002538	VOLUME	476856.019	3746071.140	455.13
LOCATION	L0002539	VOLUME	476864.609	3746071.184	455.04
LOCATION	L0002540	VOLUME	476873.199	3746071.229	454.95
LOCATION	L0002541	VOLUME	476881.789	3746071.273	454.86
LOCATION	L0002542	VOLUME	476890.379	3746071.317	454.77
LOCATION	L0002543	VOLUME	476898.969	3746071.361	454.69
LOCATION	L0002544	VOLUME	476907.559	3746071.406	454.60
LOCATION	L0002545	VOLUME	476916.148	3746071.450	454.52
LOCATION	L0002546	VOLUME	476924.738	3746071.494	454.44
LOCATION	L0002547	VOLUME	476933.328	3746071.538	454.36
LOCATION	L0002548	VOLUME	476941.918	3746071.583	454.30
LOCATION	L0002549	VOLUME	476950.508	3746071.627	454.28
LOCATION	L0002550	VOLUME	476959.098	3746071.671	454.25
LOCATION	L0002551	VOLUME	476967.688	3746071.716	454.21
LOCATION	L0002552	VOLUME	476976.278	3746071.760	454.14

** End of LINE VOLUME Source ID = SLINE6

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE7

** DESCRSRC Eastern Drive Aisle

** PREFIX

```

** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 7.637E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 5
** 476699.411, 3746441.353, 455.81, 3.49, 4.00
** 476957.172, 3746441.353, 453.04, 3.49, 4.00
** 476986.944, 3746381.883, 452.95, 3.49, 4.00
** 476987.732, 3746074.609, 453.86, 3.49, 4.00
** 476987.753, 3746066.288, 453.93, 3.49, 4.00

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LOCATION L0002553    VOLUME  476703.706 3746441.353 455.73
LOCATION L0002554    VOLUME  476712.296 3746441.353 455.65
LOCATION L0002555    VOLUME  476720.886 3746441.353 455.56
LOCATION L0002556    VOLUME  476729.476 3746441.353 455.48
LOCATION L0002557    VOLUME  476738.066 3746441.353 455.37
LOCATION L0002558    VOLUME  476746.656 3746441.353 455.25
LOCATION L0002559    VOLUME  476755.246 3746441.353 455.13
LOCATION L0002560    VOLUME  476763.836 3746441.353 455.01
LOCATION L0002561    VOLUME  476772.426 3746441.353 454.91
LOCATION L0002562    VOLUME  476781.016 3746441.353 454.80
LOCATION L0002563    VOLUME  476789.606 3746441.353 454.70
LOCATION L0002564    VOLUME  476798.196 3746441.353 454.61
LOCATION L0002565    VOLUME  476806.786 3746441.353 454.53
LOCATION L0002566    VOLUME  476815.376 3746441.353 454.44
LOCATION L0002567    VOLUME  476823.966 3746441.353 454.36
LOCATION L0002568    VOLUME  476832.556 3746441.353 454.28
LOCATION L0002569    VOLUME  476841.146 3746441.353 454.20
LOCATION L0002570    VOLUME  476849.736 3746441.353 454.11
LOCATION L0002571    VOLUME  476858.326 3746441.353 454.02
LOCATION L0002572    VOLUME  476866.916 3746441.353 453.94
LOCATION L0002573    VOLUME  476875.506 3746441.353 453.87
LOCATION L0002574    VOLUME  476884.096 3746441.353 453.79
LOCATION L0002575    VOLUME  476892.686 3746441.353 453.71
LOCATION L0002576    VOLUME  476901.276 3746441.353 453.63
LOCATION L0002577    VOLUME  476909.866 3746441.353 453.55
LOCATION L0002578    VOLUME  476918.456 3746441.353 453.46
LOCATION L0002579    VOLUME  476927.046 3746441.353 453.36
LOCATION L0002580    VOLUME  476935.636 3746441.353 453.26
LOCATION L0002581    VOLUME  476944.226 3746441.353 453.18
LOCATION L0002582    VOLUME  476952.816 3746441.353 453.11
LOCATION L0002583    VOLUME  476959.067 3746437.566 453.06
LOCATION L0002584    VOLUME  476962.913 3746429.885 453.04
LOCATION L0002585    VOLUME  476966.758 3746422.204 453.01
LOCATION L0002586    VOLUME  476970.604 3746414.522 452.98
LOCATION L0002587    VOLUME  476974.449 3746406.841 452.96
LOCATION L0002588    VOLUME  476978.295 3746399.160 452.95
LOCATION L0002589    VOLUME  476982.140 3746391.479 452.96
LOCATION L0002590    VOLUME  476985.986 3746383.798 452.97
LOCATION L0002591    VOLUME  476986.961 3746375.434 452.99

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LOCATION	L0002592	VOLUME	476986.983	3746366.844	453.02
LOCATION	L0002593	VOLUME	476987.005	3746358.254	453.07
LOCATION	L0002594	VOLUME	476987.027	3746349.664	453.11
LOCATION	L0002595	VOLUME	476987.049	3746341.074	453.15
LOCATION	L0002596	VOLUME	476987.071	3746332.484	453.20
LOCATION	L0002597	VOLUME	476987.093	3746323.894	453.24
LOCATION	L0002598	VOLUME	476987.115	3746315.304	453.29
LOCATION	L0002599	VOLUME	476987.137	3746306.714	453.33
LOCATION	L0002600	VOLUME	476987.159	3746298.124	453.36
LOCATION	L0002601	VOLUME	476987.181	3746289.535	453.38
LOCATION	L0002602	VOLUME	476987.203	3746280.945	453.41
LOCATION	L0002603	VOLUME	476987.225	3746272.355	453.44
LOCATION	L0002604	VOLUME	476987.247	3746263.765	453.47
LOCATION	L0002605	VOLUME	476987.269	3746255.175	453.50
LOCATION	L0002606	VOLUME	476987.291	3746246.585	453.52
LOCATION	L0002607	VOLUME	476987.313	3746237.995	453.55
LOCATION	L0002608	VOLUME	476987.335	3746229.405	453.58
LOCATION	L0002609	VOLUME	476987.357	3746220.815	453.61
LOCATION	L0002610	VOLUME	476987.379	3746212.225	453.64
LOCATION	L0002611	VOLUME	476987.401	3746203.635	453.68
LOCATION	L0002612	VOLUME	476987.423	3746195.045	453.72
LOCATION	L0002613	VOLUME	476987.445	3746186.455	453.75
LOCATION	L0002614	VOLUME	476987.467	3746177.865	453.78
LOCATION	L0002615	VOLUME	476987.489	3746169.275	453.82
LOCATION	L0002616	VOLUME	476987.511	3746160.685	453.85
LOCATION	L0002617	VOLUME	476987.533	3746152.095	453.88
LOCATION	L0002618	VOLUME	476987.555	3746143.505	453.91
LOCATION	L0002619	VOLUME	476987.578	3746134.915	453.94
LOCATION	L0002620	VOLUME	476987.600	3746126.325	453.96
LOCATION	L0002621	VOLUME	476987.622	3746117.735	454.00
LOCATION	L0002622	VOLUME	476987.644	3746109.145	454.04
LOCATION	L0002623	VOLUME	476987.666	3746100.555	454.09
LOCATION	L0002624	VOLUME	476987.688	3746091.965	454.14
LOCATION	L0002625	VOLUME	476987.710	3746083.375	454.10
LOCATION	L0002626	VOLUME	476987.732	3746074.785	454.06

** End of LINE VOLUME Source ID = SLINE7

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE8

** DESCRSRC West Loading Area

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 0.00002641

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 476735.431, 3746363.536, 455.64, 3.49, 4.00

** 476736.010, 3746121.162, 456.19, 3.49, 4.00

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LOCATION	L0002627	VOLUME	476735.442	3746359.241	455.58
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LOCATION	VOLUME				
LOCATION L0002628	VOLUME	476735.462	3746350.651	455.54	
LOCATION L0002629	VOLUME	476735.483	3746342.061	455.50	
LOCATION L0002630	VOLUME	476735.503	3746333.471	455.49	
LOCATION L0002631	VOLUME	476735.524	3746324.881	455.51	
LOCATION L0002632	VOLUME	476735.544	3746316.291	455.52	
LOCATION L0002633	VOLUME	476735.565	3746307.701	455.54	
LOCATION L0002634	VOLUME	476735.585	3746299.111	455.56	
LOCATION L0002635	VOLUME	476735.606	3746290.521	455.59	
LOCATION L0002636	VOLUME	476735.626	3746281.931	455.61	
LOCATION L0002637	VOLUME	476735.647	3746273.341	455.64	
LOCATION L0002638	VOLUME	476735.667	3746264.751	455.67	
LOCATION L0002639	VOLUME	476735.688	3746256.161	455.70	
LOCATION L0002640	VOLUME	476735.708	3746247.571	455.73	
LOCATION L0002641	VOLUME	476735.729	3746238.981	455.76	
LOCATION L0002642	VOLUME	476735.749	3746230.391	455.79	
LOCATION L0002643	VOLUME	476735.770	3746221.801	455.82	
LOCATION L0002644	VOLUME	476735.790	3746213.211	455.84	
LOCATION L0002645	VOLUME	476735.811	3746204.621	455.86	
LOCATION L0002646	VOLUME	476735.831	3746196.031	455.88	
LOCATION L0002647	VOLUME	476735.852	3746187.441	455.90	
LOCATION L0002648	VOLUME	476735.872	3746178.851	455.92	
LOCATION L0002649	VOLUME	476735.893	3746170.261	455.93	
LOCATION L0002650	VOLUME	476735.913	3746161.671	455.95	
LOCATION L0002651	VOLUME	476735.934	3746153.081	455.97	
LOCATION L0002652	VOLUME	476735.954	3746144.492	456.03	
LOCATION L0002653	VOLUME	476735.975	3746135.902	456.08	
LOCATION L0002654	VOLUME	476735.995	3746127.312	456.13	

** End of LINE VOLUME Source ID = SLINE8

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE9

** DESCRSRC East Loading Area

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 0.00004333

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 476955.823, 3746385.517, 453.07, 3.49, 4.00

** 476955.245, 3746088.190, 454.36, 3.49, 4.00

** -----

LOCATION	VOLUME				
LOCATION L0002655	VOLUME	476955.815	3746381.222	453.13	
LOCATION L0002656	VOLUME	476955.798	3746372.632	453.16	
LOCATION L0002657	VOLUME	476955.782	3746364.042	453.21	
LOCATION L0002658	VOLUME	476955.765	3746355.452	453.28	
LOCATION L0002659	VOLUME	476955.748	3746346.862	453.34	
LOCATION L0002660	VOLUME	476955.732	3746338.272	453.40	
LOCATION L0002661	VOLUME	476955.715	3746329.682	453.45	
LOCATION L0002662	VOLUME	476955.698	3746321.092	453.49	
LOCATION L0002663	VOLUME	476955.681	3746312.502	453.54	

LOCATION	VOLUME	476955.665	3746303.912	453.58
LOCATION L0002664	VOLUME	476955.665	3746303.912	453.58
LOCATION L0002665	VOLUME	476955.648	3746295.322	453.61
LOCATION L0002666	VOLUME	476955.631	3746286.732	453.65
LOCATION L0002667	VOLUME	476955.615	3746278.142	453.68
LOCATION L0002668	VOLUME	476955.598	3746269.552	453.71
LOCATION L0002669	VOLUME	476955.581	3746260.962	453.74
LOCATION L0002670	VOLUME	476955.564	3746252.373	453.76
LOCATION L0002671	VOLUME	476955.548	3746243.783	453.79
LOCATION L0002672	VOLUME	476955.531	3746235.193	453.82
LOCATION L0002673	VOLUME	476955.514	3746226.603	453.86
LOCATION L0002674	VOLUME	476955.498	3746218.013	453.89
LOCATION L0002675	VOLUME	476955.481	3746209.423	453.92
LOCATION L0002676	VOLUME	476955.464	3746200.833	453.96
LOCATION L0002677	VOLUME	476955.447	3746192.243	453.99
LOCATION L0002678	VOLUME	476955.431	3746183.653	454.03
LOCATION L0002679	VOLUME	476955.414	3746175.063	454.06
LOCATION L0002680	VOLUME	476955.397	3746166.473	454.10
LOCATION L0002681	VOLUME	476955.381	3746157.883	454.13
LOCATION L0002682	VOLUME	476955.364	3746149.293	454.17
LOCATION L0002683	VOLUME	476955.347	3746140.703	454.21
LOCATION L0002684	VOLUME	476955.330	3746132.113	454.25
LOCATION L0002685	VOLUME	476955.314	3746123.523	454.29
LOCATION L0002686	VOLUME	476955.297	3746114.933	454.32
LOCATION L0002687	VOLUME	476955.280	3746106.343	454.35
LOCATION L0002688	VOLUME	476955.264	3746097.753	454.38
LOCATION L0002689	VOLUME	476955.247	3746089.163	454.38

** End of LINE VOLUME Source ID = SLINE9

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002296	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002297	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002298	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002299	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002300	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002301	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002302	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002303	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002304	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002305	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002306	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002307	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002308	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002309	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002310	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002311	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002312	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002313	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002314	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002315	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002316	VOLUME	0.0000004291	3.49	4.00	3.25
SRCPARAM L0002317	VOLUME	0.0000004291	3.49	4.00	3.25

SRCPARAM	L0002318	0.00000004291	3.49	4.00	3.25
SRCPARAM	L0002319	0.00000004291	3.49	4.00	3.25
SRCPARAM	L0002320	0.00000004291	3.49	4.00	3.25
SRCPARAM	L0002321	0.00000004291	3.49	4.00	3.25
SRCPARAM	L0002322	0.00000004291	3.49	4.00	3.25
SRCPARAM	L0002323	0.00000004291	3.49	4.00	3.25
SRCPARAM	L0002324	0.00000004291	3.49	4.00	3.25
SRCPARAM	L0002325	0.00000004291	3.49	4.00	3.25
SRCPARAM	L0002326	0.00000004291	3.49	4.00	3.25
SRCPARAM	L0002327	0.00000004291	3.49	4.00	3.25

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** LINE VOLUME Source ID = SLINE2

SRCPARAM	L0002328	0.0000001085	3.49	4.00	3.25
SRCPARAM	L0002329	0.0000001085	3.49	4.00	3.25
SRCPARAM	L0002330	0.0000001085	3.49	4.00	3.25
SRCPARAM	L0002331	0.0000001085	3.49	4.00	3.25
SRCPARAM	L0002332	0.0000001085	3.49	4.00	3.25
SRCPARAM	L0002333	0.0000001085	3.49	4.00	3.25
SRCPARAM	L0002334	0.0000001085	3.49	4.00	3.25
SRCPARAM	L0002335	0.0000001085	3.49	4.00	3.25
SRCPARAM	L0002336	0.0000001085	3.49	4.00	3.25
SRCPARAM	L0002337	0.0000001085	3.49	4.00	3.25
SRCPARAM	L0002338	0.0000001085	3.49	4.00	3.25
SRCPARAM	L0002339	0.0000001085	3.49	4.00	3.25
SRCPARAM	L0002340	0.0000001085	3.49	4.00	3.25

** -----

** LINE VOLUME Source ID = SLINE3

SRCPARAM	L0002341	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002342	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002343	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002344	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002345	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002346	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002347	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002348	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002349	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002350	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002351	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002352	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002353	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002354	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002355	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002356	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002357	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002358	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002359	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002360	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002361	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002362	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002363	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002364	0.00000008748	3.49	4.00	3.25

SRCPARAM	L0002416	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002417	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002418	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002419	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002420	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002421	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002422	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002423	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002424	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002425	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002426	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002427	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002428	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002429	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002430	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002431	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002432	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002433	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002434	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002435	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002436	0.00000008748	3.49	4.00	3.25
SRCPARAM	L0002437	0.00000008748	3.49	4.00	3.25

**

 ** LINE VOLUME Source ID = SLINE4

SRCPARAM	L0002438	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002439	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002440	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002441	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002442	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002443	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002444	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002445	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002446	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002447	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002448	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002449	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002450	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002451	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002452	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002453	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002454	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002455	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002456	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002457	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002458	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002459	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002460	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002461	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002462	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002463	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002464	0.00000006509	3.49	4.00	3.25

SRCPARAM	L0002465	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002466	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002467	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002468	0.00000006509	3.49	4.00	3.25
SRCPARAM	L0002469	0.00000006509	3.49	4.00	3.25

** -----

** LINE VOLUME Source ID = SLINE5

SRCPARAM	L0002470	0.00000009754	3.49	4.00	3.25
SRCPARAM	L0002471	0.00000009754	3.49	4.00	3.25
SRCPARAM	L0002472	0.00000009754	3.49	4.00	3.25
SRCPARAM	L0002473	0.00000009754	3.49	4.00	3.25
SRCPARAM	L0002474	0.00000009754	3.49	4.00	3.25
SRCPARAM	L0002475	0.00000009754	3.49	4.00	3.25
SRCPARAM	L0002476	0.00000009754	3.49	4.00	3.25

** -----

** LINE VOLUME Source ID = SLINE6

SRCPARAM	L0002477	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002478	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002479	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002480	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002481	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002482	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002483	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002484	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002485	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002486	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002487	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002488	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002489	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002490	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002491	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002492	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002493	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002494	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002495	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002496	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002497	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002498	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002499	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002500	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002501	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002502	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002503	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002504	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002505	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002506	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002507	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002508	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002509	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002510	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002511	0.00000006286	3.49	4.00	3.25

SRCPARAM	L0002512	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002513	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002514	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002515	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002516	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002517	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002518	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002519	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002520	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002521	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002522	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002523	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002524	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002525	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002526	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002527	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002528	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002529	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002530	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002531	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002532	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002533	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002534	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002535	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002536	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002537	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002538	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002539	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002540	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002541	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002542	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002543	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002544	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002545	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002546	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002547	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002548	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002549	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002550	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002551	0.00000006286	3.49	4.00	3.25
SRCPARAM	L0002552	0.00000006286	3.49	4.00	3.25

**

** LINE VOLUME Source ID = SLINE7

SRCPARAM	L0002553	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002554	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002555	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002556	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002557	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002558	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002559	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002560	0.0000001032	3.49	4.00	3.25

SRCPARAM	L0002612	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002613	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002614	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002615	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002616	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002617	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002618	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002619	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002620	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002621	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002622	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002623	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002624	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002625	0.0000001032	3.49	4.00	3.25
SRCPARAM	L0002626	0.0000001032	3.49	4.00	3.25

**

** LINE VOLUME Source ID = SLINE8

SRCPARAM	L0002627	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002628	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002629	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002630	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002631	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002632	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002633	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002634	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002635	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002636	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002637	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002638	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002639	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002640	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002641	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002642	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002643	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002644	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002645	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002646	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002647	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002648	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002649	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002650	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002651	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002652	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002653	0.0000009432	3.49	4.00	3.25
SRCPARAM	L0002654	0.0000009432	3.49	4.00	3.25

**

** LINE VOLUME Source ID = SLINE9

SRCPARAM	L0002655	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002656	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002657	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002658	0.000001238	3.49	4.00	3.25

SRCPARAM	L0002659	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002660	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002661	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002662	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002663	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002664	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002665	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002666	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002667	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002668	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002669	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002670	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002671	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002672	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002673	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002674	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002675	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002676	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002677	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002678	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002679	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002680	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002681	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002682	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002683	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002684	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002685	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002686	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002687	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002688	0.000001238	3.49	4.00	3.25
SRCPARAM	L0002689	0.000001238	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 "..\..\PerrisADJU (1)\PERI_V9_ADJU\PERI_v9.SFC"
PROFILE "..\..\PerrisADJU (1)\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   1027      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used      0.50
ME W187   1027      MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
```

*** SETUP Finishes Successfully ***

```
**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 = 3.8 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
```


*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB3

*** 01/27/22
 *** 08:59:08
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*** MODELOPTs: RegDEFAULT 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
L0002336	0	0.10850E-06	476636.8	3746513.6	456.2	3.49	4.00	3.25	YES	
L0002337	0	0.10850E-06	476636.8	3746522.2	456.2	3.49	4.00	3.25	YES	
L0002338	0	0.10850E-06	476636.8	3746530.8	456.1	3.49	4.00	3.25	YES	
L0002339	0	0.10850E-06	476636.9	3746539.4	456.0	3.49	4.00	3.25	YES	
L0002340	0	0.10850E-06	476636.9	3746548.0	455.9	3.49	4.00	3.25	YES	
L0002341	0	0.87480E-07	476632.4	3746556.4	455.9	3.49	4.00	3.25	YES	
L0002342	0	0.87480E-07	476624.1	3746558.6	456.0	3.49	4.00	3.25	YES	
L0002343	0	0.87480E-07	476615.8	3746560.9	456.1	3.49	4.00	3.25	YES	
L0002344	0	0.87480E-07	476607.5	3746563.1	456.2	3.49	4.00	3.25	YES	
L0002345	0	0.87480E-07	476599.6	3746566.4	456.3	3.49	4.00	3.25	YES	
L0002346	0	0.87480E-07	476592.0	3746570.4	456.4	3.49	4.00	3.25	YES	
L0002347	0	0.87480E-07	476584.4	3746574.4	456.4	3.49	4.00	3.25	YES	
L0002348	0	0.87480E-07	476576.8	3746578.4	456.4	3.49	4.00	3.25	YES	
L0002349	0	0.87480E-07	476569.2	3746582.4	456.5	3.49	4.00	3.25	YES	
L0002350	0	0.87480E-07	476562.6	3746587.8	456.5	3.49	4.00	3.25	YES	
L0002351	0	0.87480E-07	476555.9	3746593.2	456.6	3.49	4.00	3.25	YES	
L0002352	0	0.87480E-07	476549.2	3746598.6	456.7	3.49	4.00	3.25	YES	
L0002353	0	0.87480E-07	476542.5	3746603.9	456.8	3.49	4.00	3.25	YES	
L0002354	0	0.87480E-07	476535.8	3746609.3	456.8	3.49	4.00	3.25	YES	
L0002355	0	0.87480E-07	476531.2	3746616.5	456.8	3.49	4.00	3.25	YES	
L0002356	0	0.87480E-07	476526.8	3746623.9	456.9	3.49	4.00	3.25	YES	
L0002357	0	0.87480E-07	476522.5	3746631.3	456.9	3.49	4.00	3.25	YES	
L0002358	0	0.87480E-07	476520.4	3746639.6	457.0	3.49	4.00	3.25	YES	
L0002359	0	0.87480E-07	476519.0	3746648.0	457.0	3.49	4.00	3.25	YES	
L0002360	0	0.87480E-07	476515.7	3746655.9	457.1	3.49	4.00	3.25	YES	
L0002361	0	0.87480E-07	476511.7	3746663.5	457.1	3.49	4.00	3.25	YES	
L0002362	0	0.87480E-07	476507.8	3746671.1	457.1	3.49	4.00	3.25	YES	
L0002363	0	0.87480E-07	476503.9	3746678.8	457.2	3.49	4.00	3.25	YES	
L0002364	0	0.87480E-07	476499.9	3746686.4	457.2	3.49	4.00	3.25	YES	
L0002365	0	0.87480E-07	476496.0	3746694.0	457.3	3.49	4.00	3.25	YES	
L0002366	0	0.87480E-07	476493.3	3746702.2	457.4	3.49	4.00	3.25	YES	
L0002367	0	0.87480E-07	476490.9	3746710.4	457.4	3.49	4.00	3.25	YES	
L0002368	0	0.87480E-07	476488.6	3746718.7	457.5	3.49	4.00	3.25	YES	
L0002369	0	0.87480E-07	476486.2	3746726.9	457.5	3.49	4.00	3.25	YES	
L0002370	0	0.87480E-07	476483.8	3746735.2	457.6	3.49	4.00	3.25	YES	
L0002371	0	0.87480E-07	476481.4	3746743.5	457.6	3.49	4.00	3.25	YES	
L0002372	0	0.87480E-07	476479.0	3746751.7	457.7	3.49	4.00	3.25	YES	
L0002373	0	0.87480E-07	476476.7	3746760.0	457.7	3.49	4.00	3.25	YES	
L0002374	0	0.87480E-07	476474.3	3746768.2	457.7	3.49	4.00	3.25	YES	
L0002375	0	0.87480E-07	476471.9	3746776.5	457.7	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB3

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*** MODELOPTs: RegDEFAULT 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
L0002376	0	0.87480E-07	476469.5	3746784.7	457.7	3.49	4.00	3.25	YES	
L0002377	0	0.87480E-07	476467.1	3746793.0	457.7	3.49	4.00	3.25	YES	
L0002378	0	0.87480E-07	476464.8	3746801.2	457.7	3.49	4.00	3.25	YES	
L0002379	0	0.87480E-07	476462.4	3746809.5	457.7	3.49	4.00	3.25	YES	
L0002380	0	0.87480E-07	476460.0	3746817.7	457.7	3.49	4.00	3.25	YES	
L0002381	0	0.87480E-07	476457.6	3746826.0	457.8	3.49	4.00	3.25	YES	
L0002382	0	0.87480E-07	476454.7	3746834.0	457.8	3.49	4.00	3.25	YES	
L0002383	0	0.87480E-07	476450.1	3746841.2	457.8	3.49	4.00	3.25	YES	
L0002384	0	0.87480E-07	476445.5	3746848.5	457.7	3.49	4.00	3.25	YES	
L0002385	0	0.87480E-07	476440.9	3746855.7	457.8	3.49	4.00	3.25	YES	
L0002386	0	0.87480E-07	476436.3	3746863.0	457.9	3.49	4.00	3.25	YES	
L0002387	0	0.87480E-07	476431.7	3746870.3	457.9	3.49	4.00	3.25	YES	
L0002388	0	0.87480E-07	476427.1	3746877.5	457.9	3.49	4.00	3.25	YES	
L0002389	0	0.87480E-07	476422.5	3746884.8	457.8	3.49	4.00	3.25	YES	
L0002390	0	0.87480E-07	476417.9	3746892.0	457.8	3.49	4.00	3.25	YES	
L0002391	0	0.87480E-07	476413.2	3746899.3	457.8	3.49	4.00	3.25	YES	
L0002392	0	0.87480E-07	476407.3	3746905.1	457.9	3.49	4.00	3.25	YES	
L0002393	0	0.87480E-07	476399.7	3746909.2	458.0	3.49	4.00	3.25	YES	
L0002394	0	0.87480E-07	476392.2	3746913.2	458.0	3.49	4.00	3.25	YES	
L0002395	0	0.87480E-07	476384.6	3746917.3	458.1	3.49	4.00	3.25	YES	
L0002396	0	0.87480E-07	476377.1	3746921.4	458.2	3.49	4.00	3.25	YES	
L0002397	0	0.87480E-07	476369.5	3746925.5	458.4	3.49	4.00	3.25	YES	
L0002398	0	0.87480E-07	476362.0	3746929.6	458.4	3.49	4.00	3.25	YES	
L0002399	0	0.87480E-07	476354.4	3746933.7	458.4	3.49	4.00	3.25	YES	
L0002400	0	0.87480E-07	476346.9	3746937.8	458.4	3.49	4.00	3.25	YES	
L0002401	0	0.87480E-07	476339.3	3746941.9	458.4	3.49	4.00	3.25	YES	
L0002402	0	0.87480E-07	476331.8	3746946.0	458.4	3.49	4.00	3.25	YES	
L0002403	0	0.87480E-07	476324.0	3746949.4	458.4	3.49	4.00	3.25	YES	
L0002404	0	0.87480E-07	476315.5	3746951.0	458.4	3.49	4.00	3.25	YES	
L0002405	0	0.87480E-07	476307.1	3746952.6	458.5	3.49	4.00	3.25	YES	
L0002406	0	0.87480E-07	476298.7	3746954.2	458.6	3.49	4.00	3.25	YES	
L0002407	0	0.87480E-07	476290.2	3746955.9	458.6	3.49	4.00	3.25	YES	
L0002408	0	0.87480E-07	476281.8	3746957.5	458.7	3.49	4.00	3.25	YES	
L0002409	0	0.87480E-07	476273.4	3746959.1	458.7	3.49	4.00	3.25	YES	
L0002410	0	0.87480E-07	476264.9	3746958.5	458.9	3.49	4.00	3.25	YES	
L0002411	0	0.87480E-07	476256.5	3746956.9	459.1	3.49	4.00	3.25	YES	
L0002412	0	0.87480E-07	476248.1	3746955.3	459.3	3.49	4.00	3.25	YES	
L0002413	0	0.87480E-07	476239.6	3746953.6	459.5	3.49	4.00	3.25	YES	
L0002414	0	0.87480E-07	476231.2	3746952.2	459.6	3.49	4.00	3.25	YES	
L0002415	0	0.87480E-07	476222.6	3746952.0	459.8	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDEFAULT 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
L0002416	0	0.87480E-07	476214.0	3746951.9	459.9	3.49	4.00	3.25	YES	
L0002417	0	0.87480E-07	476205.4	3746951.8	460.1	3.49	4.00	3.25	YES	
L0002418	0	0.87480E-07	476196.8	3746951.7	460.2	3.49	4.00	3.25	YES	
L0002419	0	0.87480E-07	476188.2	3746951.6	460.5	3.49	4.00	3.25	YES	
L0002420	0	0.87480E-07	476179.6	3746951.4	460.8	3.49	4.00	3.25	YES	
L0002421	0	0.87480E-07	476171.0	3746951.3	461.1	3.49	4.00	3.25	YES	
L0002422	0	0.87480E-07	476162.5	3746951.2	461.4	3.49	4.00	3.25	YES	
L0002423	0	0.87480E-07	476153.9	3746951.1	461.8	3.49	4.00	3.25	YES	
L0002424	0	0.87480E-07	476145.3	3746951.0	462.2	3.49	4.00	3.25	YES	
L0002425	0	0.87480E-07	476136.7	3746950.8	462.5	3.49	4.00	3.25	YES	
L0002426	0	0.87480E-07	476128.1	3746950.7	462.9	3.49	4.00	3.25	YES	
L0002427	0	0.87480E-07	476119.5	3746950.6	463.3	3.49	4.00	3.25	YES	
L0002428	0	0.87480E-07	476110.9	3746950.5	463.8	3.49	4.00	3.25	YES	
L0002429	0	0.87480E-07	476102.3	3746950.4	464.2	3.49	4.00	3.25	YES	
L0002430	0	0.87480E-07	476093.7	3746950.2	464.6	3.49	4.00	3.25	YES	
L0002431	0	0.87480E-07	476085.2	3746950.1	465.0	3.49	4.00	3.25	YES	
L0002432	0	0.87480E-07	476076.6	3746950.0	465.4	3.49	4.00	3.25	YES	
L0002433	0	0.87480E-07	476068.0	3746949.9	465.8	3.49	4.00	3.25	YES	
L0002434	0	0.87480E-07	476059.4	3746949.8	466.4	3.49	4.00	3.25	YES	
L0002435	0	0.87480E-07	476050.8	3746949.7	467.1	3.49	4.00	3.25	YES	
L0002436	0	0.87480E-07	476042.2	3746949.5	467.7	3.49	4.00	3.25	YES	
L0002437	0	0.87480E-07	476033.6	3746949.4	467.8	3.49	4.00	3.25	YES	
L0002438	0	0.65090E-07	476643.6	3746159.5	457.0	3.49	4.00	3.25	YES	
L0002439	0	0.65090E-07	476652.2	3746159.5	456.9	3.49	4.00	3.25	YES	
L0002440	0	0.65090E-07	476660.8	3746159.5	456.7	3.49	4.00	3.25	YES	
L0002441	0	0.65090E-07	476669.4	3746159.5	456.6	3.49	4.00	3.25	YES	
L0002442	0	0.65090E-07	476671.8	3746167.4	456.6	3.49	4.00	3.25	YES	
L0002443	0	0.65090E-07	476671.2	3746175.3	456.5	3.49	4.00	3.25	YES	
L0002444	0	0.65090E-07	476666.9	3746182.7	456.6	3.49	4.00	3.25	YES	
L0002445	0	0.65090E-07	476662.6	3746190.2	456.6	3.49	4.00	3.25	YES	
L0002446	0	0.65090E-07	476659.9	3746198.2	456.6	3.49	4.00	3.25	YES	
L0002447	0	0.65090E-07	476658.1	3746206.6	456.6	3.49	4.00	3.25	YES	
L0002448	0	0.65090E-07	476656.3	3746215.0	456.6	3.49	4.00	3.25	YES	
L0002449	0	0.65090E-07	476654.5	3746223.4	456.7	3.49	4.00	3.25	YES	
L0002450	0	0.65090E-07	476654.0	3746232.0	456.6	3.49	4.00	3.25	YES	
L0002451	0	0.65090E-07	476654.0	3746240.5	456.6	3.49	4.00	3.25	YES	
L0002452	0	0.65090E-07	476654.0	3746249.1	456.6	3.49	4.00	3.25	YES	
L0002453	0	0.65090E-07	476654.0	3746257.7	456.6	3.49	4.00	3.25	YES	
L0002454	0	0.65090E-07	476654.0	3746266.3	456.6	3.49	4.00	3.25	YES	
L0002455	0	0.65090E-07	476654.0	3746274.9	456.6	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
*** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB3

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*** MODELOPTs: RegDEFAULT 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
L0002456	0	0.65090E-07	476654.1	3746283.5	456.6	3.49	4.00	3.25	YES	
L0002457	0	0.65090E-07	476654.1	3746292.1	456.5	3.49	4.00	3.25	YES	
L0002458	0	0.65090E-07	476654.1	3746300.7	456.5	3.49	4.00	3.25	YES	
L0002459	0	0.65090E-07	476654.1	3746309.3	456.5	3.49	4.00	3.25	YES	
L0002460	0	0.65090E-07	476654.1	3746317.9	456.5	3.49	4.00	3.25	YES	
L0002461	0	0.65090E-07	476654.2	3746326.4	456.4	3.49	4.00	3.25	YES	
L0002462	0	0.65090E-07	476654.2	3746335.0	456.4	3.49	4.00	3.25	YES	
L0002463	0	0.65090E-07	476654.2	3746343.6	456.4	3.49	4.00	3.25	YES	
L0002464	0	0.65090E-07	476654.2	3746352.2	456.4	3.49	4.00	3.25	YES	
L0002465	0	0.65090E-07	476659.7	3746356.4	456.3	3.49	4.00	3.25	YES	
L0002466	0	0.65090E-07	476668.2	3746356.2	456.2	3.49	4.00	3.25	YES	
L0002467	0	0.65090E-07	476676.8	3746356.2	456.1	3.49	4.00	3.25	YES	
L0002468	0	0.65090E-07	476685.4	3746356.2	456.0	3.49	4.00	3.25	YES	
L0002469	0	0.65090E-07	476694.0	3746356.2	456.0	3.49	4.00	3.25	YES	
L0002470	0	0.97540E-07	476643.4	3746440.2	456.3	3.49	4.00	3.25	YES	
L0002471	0	0.97540E-07	476652.0	3746440.3	456.2	3.49	4.00	3.25	YES	
L0002472	0	0.97540E-07	476660.6	3746440.3	456.1	3.49	4.00	3.25	YES	
L0002473	0	0.97540E-07	476669.2	3746440.4	456.0	3.49	4.00	3.25	YES	
L0002474	0	0.97540E-07	476677.8	3746440.4	455.9	3.49	4.00	3.25	YES	
L0002475	0	0.97540E-07	476686.4	3746440.5	455.9	3.49	4.00	3.25	YES	
L0002476	0	0.97540E-07	476695.0	3746440.6	455.8	3.49	4.00	3.25	YES	
L0002477	0	0.62860E-07	476699.1	3746437.1	455.8	3.49	4.00	3.25	YES	
L0002478	0	0.62860E-07	476699.1	3746428.5	455.8	3.49	4.00	3.25	YES	
L0002479	0	0.62860E-07	476699.1	3746419.9	455.9	3.49	4.00	3.25	YES	
L0002480	0	0.62860E-07	476699.1	3746411.3	455.9	3.49	4.00	3.25	YES	
L0002481	0	0.62860E-07	476699.0	3746402.7	456.0	3.49	4.00	3.25	YES	
L0002482	0	0.62860E-07	476699.0	3746394.1	456.0	3.49	4.00	3.25	YES	
L0002483	0	0.62860E-07	476699.0	3746385.6	456.0	3.49	4.00	3.25	YES	
L0002484	0	0.62860E-07	476699.0	3746377.0	456.0	3.49	4.00	3.25	YES	
L0002485	0	0.62860E-07	476699.0	3746368.4	456.0	3.49	4.00	3.25	YES	
L0002486	0	0.62860E-07	476699.0	3746359.8	455.9	3.49	4.00	3.25	YES	
L0002487	0	0.62860E-07	476699.0	3746351.2	455.9	3.49	4.00	3.25	YES	
L0002488	0	0.62860E-07	476699.0	3746342.6	455.9	3.49	4.00	3.25	YES	
L0002489	0	0.62860E-07	476699.0	3746334.0	455.9	3.49	4.00	3.25	YES	
L0002490	0	0.62860E-07	476699.0	3746325.4	455.9	3.49	4.00	3.25	YES	
L0002491	0	0.62860E-07	476699.0	3746316.8	455.9	3.49	4.00	3.25	YES	
L0002492	0	0.62860E-07	476699.0	3746308.2	455.9	3.49	4.00	3.25	YES	
L0002493	0	0.62860E-07	476699.0	3746299.7	456.0	3.49	4.00	3.25	YES	
L0002494	0	0.62860E-07	476699.0	3746291.1	456.0	3.49	4.00	3.25	YES	
L0002495	0	0.62860E-07	476699.0	3746282.5	456.0	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB3

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*** MODELOPTs: RegDEFAULT 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
L0002496	0	0.62860E-07	476699.0	3746273.9	456.0	3.49	4.00	3.25	YES	
L0002497	0	0.62860E-07	476698.9	3746265.3	456.0	3.49	4.00	3.25	YES	
L0002498	0	0.62860E-07	476698.9	3746256.7	456.1	3.49	4.00	3.25	YES	
L0002499	0	0.62860E-07	476698.9	3746248.1	456.1	3.49	4.00	3.25	YES	
L0002500	0	0.62860E-07	476698.9	3746239.5	456.1	3.49	4.00	3.25	YES	
L0002501	0	0.62860E-07	476698.9	3746230.9	456.1	3.49	4.00	3.25	YES	
L0002502	0	0.62860E-07	476698.9	3746222.3	456.1	3.49	4.00	3.25	YES	
L0002503	0	0.62860E-07	476698.9	3746213.8	456.2	3.49	4.00	3.25	YES	
L0002504	0	0.62860E-07	476698.9	3746205.2	456.2	3.49	4.00	3.25	YES	
L0002505	0	0.62860E-07	476698.9	3746196.6	456.2	3.49	4.00	3.25	YES	
L0002506	0	0.62860E-07	476698.9	3746188.0	456.2	3.49	4.00	3.25	YES	
L0002507	0	0.62860E-07	476698.9	3746179.4	456.2	3.49	4.00	3.25	YES	
L0002508	0	0.62860E-07	476698.9	3746170.8	456.2	3.49	4.00	3.25	YES	
L0002509	0	0.62860E-07	476698.9	3746162.2	456.2	3.49	4.00	3.25	YES	
L0002510	0	0.62860E-07	476698.9	3746153.6	456.2	3.49	4.00	3.25	YES	
L0002511	0	0.62860E-07	476698.9	3746145.0	456.3	3.49	4.00	3.25	YES	
L0002512	0	0.62860E-07	476698.8	3746136.4	456.4	3.49	4.00	3.25	YES	
L0002513	0	0.62860E-07	476698.8	3746127.9	456.4	3.49	4.00	3.25	YES	
L0002514	0	0.62860E-07	476698.8	3746119.3	456.4	3.49	4.00	3.25	YES	
L0002515	0	0.62860E-07	476698.8	3746110.7	456.5	3.49	4.00	3.25	YES	
L0002516	0	0.62860E-07	476698.8	3746102.1	456.5	3.49	4.00	3.25	YES	
L0002517	0	0.62860E-07	476698.8	3746093.5	456.5	3.49	4.00	3.25	YES	
L0002518	0	0.62860E-07	476698.8	3746084.9	456.6	3.49	4.00	3.25	YES	
L0002519	0	0.62860E-07	476698.8	3746076.3	456.6	3.49	4.00	3.25	YES	
L0002520	0	0.62860E-07	476701.4	3746070.3	456.5	3.49	4.00	3.25	YES	
L0002521	0	0.62860E-07	476710.0	3746070.4	456.4	3.49	4.00	3.25	YES	
L0002522	0	0.62860E-07	476718.6	3746070.4	456.3	3.49	4.00	3.25	YES	
L0002523	0	0.62860E-07	476727.2	3746070.5	456.3	3.49	4.00	3.25	YES	
L0002524	0	0.62860E-07	476735.8	3746070.5	456.2	3.49	4.00	3.25	YES	
L0002525	0	0.62860E-07	476744.4	3746070.6	456.1	3.49	4.00	3.25	YES	
L0002526	0	0.62860E-07	476752.9	3746070.6	456.1	3.49	4.00	3.25	YES	
L0002527	0	0.62860E-07	476761.5	3746070.7	456.0	3.49	4.00	3.25	YES	
L0002528	0	0.62860E-07	476770.1	3746070.7	455.9	3.49	4.00	3.25	YES	
L0002529	0	0.62860E-07	476778.7	3746070.7	455.9	3.49	4.00	3.25	YES	
L0002530	0	0.62860E-07	476787.3	3746070.8	455.8	3.49	4.00	3.25	YES	
L0002531	0	0.62860E-07	476795.9	3746070.8	455.7	3.49	4.00	3.25	YES	
L0002532	0	0.62860E-07	476804.5	3746070.9	455.7	3.49	4.00	3.25	YES	
L0002533	0	0.62860E-07	476813.1	3746070.9	455.6	3.49	4.00	3.25	YES	
L0002534	0	0.62860E-07	476821.7	3746071.0	455.5	3.49	4.00	3.25	YES	
L0002535	0	0.62860E-07	476830.2	3746071.0	455.4	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB3

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*** MODELOPTs: RegDEFAULT 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
L0002576	0	0.10320E-06	476901.3	3746441.4	453.6	3.49	4.00	3.25	YES	
L0002577	0	0.10320E-06	476909.9	3746441.4	453.6	3.49	4.00	3.25	YES	
L0002578	0	0.10320E-06	476918.5	3746441.4	453.5	3.49	4.00	3.25	YES	
L0002579	0	0.10320E-06	476927.0	3746441.4	453.4	3.49	4.00	3.25	YES	
L0002580	0	0.10320E-06	476935.6	3746441.4	453.3	3.49	4.00	3.25	YES	
L0002581	0	0.10320E-06	476944.2	3746441.4	453.2	3.49	4.00	3.25	YES	
L0002582	0	0.10320E-06	476952.8	3746441.4	453.1	3.49	4.00	3.25	YES	
L0002583	0	0.10320E-06	476959.1	3746437.6	453.1	3.49	4.00	3.25	YES	
L0002584	0	0.10320E-06	476962.9	3746429.9	453.0	3.49	4.00	3.25	YES	
L0002585	0	0.10320E-06	476966.8	3746422.2	453.0	3.49	4.00	3.25	YES	
L0002586	0	0.10320E-06	476970.6	3746414.5	453.0	3.49	4.00	3.25	YES	
L0002587	0	0.10320E-06	476974.4	3746406.8	453.0	3.49	4.00	3.25	YES	
L0002588	0	0.10320E-06	476978.3	3746399.2	452.9	3.49	4.00	3.25	YES	
L0002589	0	0.10320E-06	476982.1	3746391.5	453.0	3.49	4.00	3.25	YES	
L0002590	0	0.10320E-06	476986.0	3746383.8	453.0	3.49	4.00	3.25	YES	
L0002591	0	0.10320E-06	476987.0	3746375.4	453.0	3.49	4.00	3.25	YES	
L0002592	0	0.10320E-06	476987.0	3746366.8	453.0	3.49	4.00	3.25	YES	
L0002593	0	0.10320E-06	476987.0	3746358.3	453.1	3.49	4.00	3.25	YES	
L0002594	0	0.10320E-06	476987.0	3746349.7	453.1	3.49	4.00	3.25	YES	
L0002595	0	0.10320E-06	476987.0	3746341.1	453.2	3.49	4.00	3.25	YES	
L0002596	0	0.10320E-06	476987.1	3746332.5	453.2	3.49	4.00	3.25	YES	
L0002597	0	0.10320E-06	476987.1	3746323.9	453.2	3.49	4.00	3.25	YES	
L0002598	0	0.10320E-06	476987.1	3746315.3	453.3	3.49	4.00	3.25	YES	
L0002599	0	0.10320E-06	476987.1	3746306.7	453.3	3.49	4.00	3.25	YES	
L0002600	0	0.10320E-06	476987.2	3746298.1	453.4	3.49	4.00	3.25	YES	
L0002601	0	0.10320E-06	476987.2	3746289.5	453.4	3.49	4.00	3.25	YES	
L0002602	0	0.10320E-06	476987.2	3746280.9	453.4	3.49	4.00	3.25	YES	
L0002603	0	0.10320E-06	476987.2	3746272.4	453.4	3.49	4.00	3.25	YES	
L0002604	0	0.10320E-06	476987.2	3746263.8	453.5	3.49	4.00	3.25	YES	
L0002605	0	0.10320E-06	476987.3	3746255.2	453.5	3.49	4.00	3.25	YES	
L0002606	0	0.10320E-06	476987.3	3746246.6	453.5	3.49	4.00	3.25	YES	
L0002607	0	0.10320E-06	476987.3	3746238.0	453.6	3.49	4.00	3.25	YES	
L0002608	0	0.10320E-06	476987.3	3746229.4	453.6	3.49	4.00	3.25	YES	
L0002609	0	0.10320E-06	476987.4	3746220.8	453.6	3.49	4.00	3.25	YES	
L0002610	0	0.10320E-06	476987.4	3746212.2	453.6	3.49	4.00	3.25	YES	
L0002611	0	0.10320E-06	476987.4	3746203.6	453.7	3.49	4.00	3.25	YES	
L0002612	0	0.10320E-06	476987.4	3746195.0	453.7	3.49	4.00	3.25	YES	
L0002613	0	0.10320E-06	476987.4	3746186.5	453.8	3.49	4.00	3.25	YES	
L0002614	0	0.10320E-06	476987.5	3746177.9	453.8	3.49	4.00	3.25	YES	
L0002615	0	0.10320E-06	476987.5	3746169.3	453.8	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB3

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*** 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
L0002616	0	0.10320E-06	476987.5	3746160.7	453.9	3.49	4.00	3.25	YES	
L0002617	0	0.10320E-06	476987.5	3746152.1	453.9	3.49	4.00	3.25	YES	
L0002618	0	0.10320E-06	476987.6	3746143.5	453.9	3.49	4.00	3.25	YES	
L0002619	0	0.10320E-06	476987.6	3746134.9	453.9	3.49	4.00	3.25	YES	
L0002620	0	0.10320E-06	476987.6	3746126.3	454.0	3.49	4.00	3.25	YES	
L0002621	0	0.10320E-06	476987.6	3746117.7	454.0	3.49	4.00	3.25	YES	
L0002622	0	0.10320E-06	476987.6	3746109.1	454.0	3.49	4.00	3.25	YES	
L0002623	0	0.10320E-06	476987.7	3746100.6	454.1	3.49	4.00	3.25	YES	
L0002624	0	0.10320E-06	476987.7	3746092.0	454.1	3.49	4.00	3.25	YES	
L0002625	0	0.10320E-06	476987.7	3746083.4	454.1	3.49	4.00	3.25	YES	
L0002626	0	0.10320E-06	476987.7	3746074.8	454.1	3.49	4.00	3.25	YES	
L0002627	0	0.94320E-06	476735.4	3746359.2	455.6	3.49	4.00	3.25	YES	
L0002628	0	0.94320E-06	476735.5	3746350.7	455.5	3.49	4.00	3.25	YES	
L0002629	0	0.94320E-06	476735.5	3746342.1	455.5	3.49	4.00	3.25	YES	
L0002630	0	0.94320E-06	476735.5	3746333.5	455.5	3.49	4.00	3.25	YES	
L0002631	0	0.94320E-06	476735.5	3746324.9	455.5	3.49	4.00	3.25	YES	
L0002632	0	0.94320E-06	476735.5	3746316.3	455.5	3.49	4.00	3.25	YES	
L0002633	0	0.94320E-06	476735.6	3746307.7	455.5	3.49	4.00	3.25	YES	
L0002634	0	0.94320E-06	476735.6	3746299.1	455.6	3.49	4.00	3.25	YES	
L0002635	0	0.94320E-06	476735.6	3746290.5	455.6	3.49	4.00	3.25	YES	
L0002636	0	0.94320E-06	476735.6	3746281.9	455.6	3.49	4.00	3.25	YES	
L0002637	0	0.94320E-06	476735.6	3746273.3	455.6	3.49	4.00	3.25	YES	
L0002638	0	0.94320E-06	476735.7	3746264.8	455.7	3.49	4.00	3.25	YES	
L0002639	0	0.94320E-06	476735.7	3746256.2	455.7	3.49	4.00	3.25	YES	
L0002640	0	0.94320E-06	476735.7	3746247.6	455.7	3.49	4.00	3.25	YES	
L0002641	0	0.94320E-06	476735.7	3746239.0	455.8	3.49	4.00	3.25	YES	
L0002642	0	0.94320E-06	476735.7	3746230.4	455.8	3.49	4.00	3.25	YES	
L0002643	0	0.94320E-06	476735.8	3746221.8	455.8	3.49	4.00	3.25	YES	
L0002644	0	0.94320E-06	476735.8	3746213.2	455.8	3.49	4.00	3.25	YES	
L0002645	0	0.94320E-06	476735.8	3746204.6	455.9	3.49	4.00	3.25	YES	
L0002646	0	0.94320E-06	476735.8	3746196.0	455.9	3.49	4.00	3.25	YES	
L0002647	0	0.94320E-06	476735.9	3746187.4	455.9	3.49	4.00	3.25	YES	
L0002648	0	0.94320E-06	476735.9	3746178.9	455.9	3.49	4.00	3.25	YES	
L0002649	0	0.94320E-06	476735.9	3746170.3	455.9	3.49	4.00	3.25	YES	
L0002650	0	0.94320E-06	476735.9	3746161.7	455.9	3.49	4.00	3.25	YES	
L0002651	0	0.94320E-06	476735.9	3746153.1	456.0	3.49	4.00	3.25	YES	
L0002652	0	0.94320E-06	476736.0	3746144.5	456.0	3.49	4.00	3.25	YES	
L0002653	0	0.94320E-06	476736.0	3746135.9	456.1	3.49	4.00	3.25	YES	
L0002654	0	0.94320E-06	476736.0	3746127.3	456.1	3.49	4.00	3.25	YES	
L0002655	0	0.12380E-05	476955.8	3746381.2	453.1	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB3

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*** MODELOPTs: RegDEFAULT 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
L0002656	0	0.12380E-05	476955.8	3746372.6	453.2	3.49	4.00	3.25	YES	
L0002657	0	0.12380E-05	476955.8	3746364.0	453.2	3.49	4.00	3.25	YES	
L0002658	0	0.12380E-05	476955.8	3746355.5	453.3	3.49	4.00	3.25	YES	
L0002659	0	0.12380E-05	476955.7	3746346.9	453.3	3.49	4.00	3.25	YES	
L0002660	0	0.12380E-05	476955.7	3746338.3	453.4	3.49	4.00	3.25	YES	
L0002661	0	0.12380E-05	476955.7	3746329.7	453.4	3.49	4.00	3.25	YES	
L0002662	0	0.12380E-05	476955.7	3746321.1	453.5	3.49	4.00	3.25	YES	
L0002663	0	0.12380E-05	476955.7	3746312.5	453.5	3.49	4.00	3.25	YES	
L0002664	0	0.12380E-05	476955.7	3746303.9	453.6	3.49	4.00	3.25	YES	
L0002665	0	0.12380E-05	476955.6	3746295.3	453.6	3.49	4.00	3.25	YES	
L0002666	0	0.12380E-05	476955.6	3746286.7	453.7	3.49	4.00	3.25	YES	
L0002667	0	0.12380E-05	476955.6	3746278.1	453.7	3.49	4.00	3.25	YES	
L0002668	0	0.12380E-05	476955.6	3746269.6	453.7	3.49	4.00	3.25	YES	
L0002669	0	0.12380E-05	476955.6	3746261.0	453.7	3.49	4.00	3.25	YES	
L0002670	0	0.12380E-05	476955.6	3746252.4	453.8	3.49	4.00	3.25	YES	
L0002671	0	0.12380E-05	476955.5	3746243.8	453.8	3.49	4.00	3.25	YES	
L0002672	0	0.12380E-05	476955.5	3746235.2	453.8	3.49	4.00	3.25	YES	
L0002673	0	0.12380E-05	476955.5	3746226.6	453.9	3.49	4.00	3.25	YES	
L0002674	0	0.12380E-05	476955.5	3746218.0	453.9	3.49	4.00	3.25	YES	
L0002675	0	0.12380E-05	476955.5	3746209.4	453.9	3.49	4.00	3.25	YES	
L0002676	0	0.12380E-05	476955.5	3746200.8	454.0	3.49	4.00	3.25	YES	
L0002677	0	0.12380E-05	476955.4	3746192.2	454.0	3.49	4.00	3.25	YES	
L0002678	0	0.12380E-05	476955.4	3746183.7	454.0	3.49	4.00	3.25	YES	
L0002679	0	0.12380E-05	476955.4	3746175.1	454.1	3.49	4.00	3.25	YES	
L0002680	0	0.12380E-05	476955.4	3746166.5	454.1	3.49	4.00	3.25	YES	
L0002681	0	0.12380E-05	476955.4	3746157.9	454.1	3.49	4.00	3.25	YES	
L0002682	0	0.12380E-05	476955.4	3746149.3	454.2	3.49	4.00	3.25	YES	
L0002683	0	0.12380E-05	476955.3	3746140.7	454.2	3.49	4.00	3.25	YES	
L0002684	0	0.12380E-05	476955.3	3746132.1	454.2	3.49	4.00	3.25	YES	
L0002685	0	0.12380E-05	476955.3	3746123.5	454.3	3.49	4.00	3.25	YES	
L0002686	0	0.12380E-05	476955.3	3746114.9	454.3	3.49	4.00	3.25	YES	
L0002687	0	0.12380E-05	476955.3	3746106.3	454.4	3.49	4.00	3.25	YES	
L0002688	0	0.12380E-05	476955.3	3746097.8	454.4	3.49	4.00	3.25	YES	
L0002689	0	0.12380E-05	476955.2	3746089.2	454.4	3.49	4.00	3.25	YES	

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
*** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB3

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs															
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ALL	L0002296	,	L0002297	,	L0002298	,	L0002299	,	L0002300	,	L0002301	,	L0002302	,	L0002303	,
	L0002304	,	L0002305	,	L0002306	,	L0002307	,	L0002308	,	L0002309	,	L0002310	,	L0002311	,
	L0002312	,	L0002313	,	L0002314	,	L0002315	,	L0002316	,	L0002317	,	L0002318	,	L0002319	,
	L0002320	,	L0002321	,	L0002322	,	L0002323	,	L0002324	,	L0002325	,	L0002326	,	L0002327	,
	L0002328	,	L0002329	,	L0002330	,	L0002331	,	L0002332	,	L0002333	,	L0002334	,	L0002335	,
	L0002336	,	L0002337	,	L0002338	,	L0002339	,	L0002340	,	L0002341	,	L0002342	,	L0002343	,
	L0002344	,	L0002345	,	L0002346	,	L0002347	,	L0002348	,	L0002349	,	L0002350	,	L0002351	,
	L0002352	,	L0002353	,	L0002354	,	L0002355	,	L0002356	,	L0002357	,	L0002358	,	L0002359	,
	L0002360	,	L0002361	,	L0002362	,	L0002363	,	L0002364	,	L0002365	,	L0002366	,	L0002367	,
	L0002368	,	L0002369	,	L0002370	,	L0002371	,	L0002372	,	L0002373	,	L0002374	,	L0002375	,
	L0002376	,	L0002377	,	L0002378	,	L0002379	,	L0002380	,	L0002381	,	L0002382	,	L0002383	,
	L0002384	,	L0002385	,	L0002386	,	L0002387	,	L0002388	,	L0002389	,	L0002390	,	L0002391	,
	L0002392	,	L0002393	,	L0002394	,	L0002395	,	L0002396	,	L0002397	,	L0002398	,	L0002399	,
	L0002400	,	L0002401	,	L0002402	,	L0002403	,	L0002404	,	L0002405	,	L0002406	,	L0002407	,
	L0002408	,	L0002409	,	L0002410	,	L0002411	,	L0002412	,	L0002413	,	L0002414	,	L0002415	,
	L0002416	,	L0002417	,	L0002418	,	L0002419	,	L0002420	,	L0002421	,	L0002422	,	L0002423	,
	L0002424	,	L0002425	,	L0002426	,	L0002427	,	L0002428	,	L0002429	,	L0002430	,	L0002431	,
	L0002432	,	L0002433	,	L0002434	,	L0002435	,	L0002436	,	L0002437	,	L0002438	,	L0002439	,
	L0002440	,	L0002441	,	L0002442	,	L0002443	,	L0002444	,	L0002445	,	L0002446	,	L0002447	,
	L0002448	,	L0002449	,	L0002450	,	L0002451	,	L0002452	,	L0002453	,	L0002454	,	L0002455	,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs														
-----	-----														
L0002456	,	L0002457	,	L0002458	,	L0002459	,	L0002460	,	L0002461	,	L0002462	,	L0002463	,
L0002464	,	L0002465	,	L0002466	,	L0002467	,	L0002468	,	L0002469	,	L0002470	,	L0002471	,
L0002472	,	L0002473	,	L0002474	,	L0002475	,	L0002476	,	L0002477	,	L0002478	,	L0002479	,
L0002480	,	L0002481	,	L0002482	,	L0002483	,	L0002484	,	L0002485	,	L0002486	,	L0002487	,
L0002488	,	L0002489	,	L0002490	,	L0002491	,	L0002492	,	L0002493	,	L0002494	,	L0002495	,
L0002496	,	L0002497	,	L0002498	,	L0002499	,	L0002500	,	L0002501	,	L0002502	,	L0002503	,
L0002504	,	L0002505	,	L0002506	,	L0002507	,	L0002508	,	L0002509	,	L0002510	,	L0002511	,
L0002512	,	L0002513	,	L0002514	,	L0002515	,	L0002516	,	L0002517	,	L0002518	,	L0002519	,
L0002520	,	L0002521	,	L0002522	,	L0002523	,	L0002524	,	L0002525	,	L0002526	,	L0002527	,
L0002528	,	L0002529	,	L0002530	,	L0002531	,	L0002532	,	L0002533	,	L0002534	,	L0002535	,
L0002536	,	L0002537	,	L0002538	,	L0002539	,	L0002540	,	L0002541	,	L0002542	,	L0002543	,
L0002544	,	L0002545	,	L0002546	,	L0002547	,	L0002548	,	L0002549	,	L0002550	,	L0002551	,
L0002552	,	L0002553	,	L0002554	,	L0002555	,	L0002556	,	L0002557	,	L0002558	,	L0002559	,
L0002560	,	L0002561	,	L0002562	,	L0002563	,	L0002564	,	L0002565	,	L0002566	,	L0002567	,
L0002568	,	L0002569	,	L0002570	,	L0002571	,	L0002572	,	L0002573	,	L0002574	,	L0002575	,
L0002576	,	L0002577	,	L0002578	,	L0002579	,	L0002580	,	L0002581	,	L0002582	,	L0002583	,
L0002584	,	L0002585	,	L0002586	,	L0002587	,	L0002588	,	L0002589	,	L0002590	,	L0002591	,
L0002592	,	L0002593	,	L0002594	,	L0002595	,	L0002596	,	L0002597	,	L0002598	,	L0002599	,
L0002600	,	L0002601	,	L0002602	,	L0002603	,	L0002604	,	L0002605	,	L0002606	,	L0002607	,
L0002608	,	L0002609	,	L0002610	,	L0002611	,	L0002612	,	L0002613	,	L0002614	,	L0002615	,

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs														
-----	-----														
L0002616	,	L0002617	,	L0002618	,	L0002619	,	L0002620	,	L0002621	,	L0002622	,	L0002623	,
L0002624	,	L0002625	,	L0002626	,	L0002627	,	L0002628	,	L0002629	,	L0002630	,	L0002631	,
L0002632	,	L0002633	,	L0002634	,	L0002635	,	L0002636	,	L0002637	,	L0002638	,	L0002639	,
L0002640	,	L0002641	,	L0002642	,	L0002643	,	L0002644	,	L0002645	,	L0002646	,	L0002647	,
L0002648	,	L0002649	,	L0002650	,	L0002651	,	L0002652	,	L0002653	,	L0002654	,	L0002655	,
L0002656	,	L0002657	,	L0002658	,	L0002659	,	L0002660	,	L0002661	,	L0002662	,	L0002663	,
L0002664	,	L0002665	,	L0002666	,	L0002667	,	L0002668	,	L0002669	,	L0002670	,	L0002671	,
L0002672	,	L0002673	,	L0002674	,	L0002675	,	L0002676	,	L0002677	,	L0002678	,	L0002679	,
L0002680	,	L0002681	,	L0002682	,	L0002683	,	L0002684	,	L0002685	,	L0002686	,	L0002687	,
L0002688	,	L0002689	,												

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs								
-----	-----	-----								
L0002303	2189641.	L0002296	, L0002297	, L0002298	, L0002299	, L0002300	, L0002301	, L0002302	,	
	,	L0002304	, L0002305	, L0002306	, L0002307	, L0002308	, L0002309	, L0002310	, L0002311	,
	L0002312	, L0002313	, L0002314	, L0002315	, L0002316	, L0002317	, L0002318	, L0002319	,	
	L0002320	, L0002321	, L0002322	, L0002323	, L0002324	, L0002325	, L0002326	, L0002327	,	
	L0002328	, L0002329	, L0002330	, L0002331	, L0002332	, L0002333	, L0002334	, L0002335	,	
	L0002336	, L0002337	, L0002338	, L0002339	, L0002340	, L0002341	, L0002342	, L0002343	,	
	L0002344	, L0002345	, L0002346	, L0002347	, L0002348	, L0002349	, L0002350	, L0002351	,	
	L0002352	, L0002353	, L0002354	, L0002355	, L0002356	, L0002357	, L0002358	, L0002359	,	
	L0002360	, L0002361	, L0002362	, L0002363	, L0002364	, L0002365	, L0002366	, L0002367	,	
	L0002368	, L0002369	, L0002370	, L0002371	, L0002372	, L0002373	, L0002374	, L0002375	,	
	L0002376	, L0002377	, L0002378	, L0002379	, L0002380	, L0002381	, L0002382	, L0002383	,	
	L0002384	, L0002385	, L0002386	, L0002387	, L0002388	, L0002389	, L0002390	, L0002391	,	
	L0002392	, L0002393	, L0002394	, L0002395	, L0002396	, L0002397	, L0002398	, L0002399	,	
	L0002400	, L0002401	, L0002402	, L0002403	, L0002404	, L0002405	, L0002406	, L0002407	,	
	L0002408	, L0002409	, L0002410	, L0002411	, L0002412	, L0002413	, L0002414	, L0002415	,	
	L0002416	, L0002417	, L0002418	, L0002419	, L0002420	, L0002421	, L0002422	, L0002423	,	
	L0002424	, L0002425	, L0002426	, L0002427	, L0002428	, L0002429	, L0002430	, L0002431	,	
	L0002432	, L0002433	, L0002434	, L0002435	, L0002436	, L0002437	, L0002438	, L0002439	,	
	L0002440	, L0002441	, L0002442	, L0002443	, L0002444	, L0002445	, L0002446	, L0002447	,	
	L0002448	, L0002449	, L0002450	, L0002451	, L0002452	, L0002453	, L0002454	, L0002455	,	

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs							
-----	-----	-----							
L0002456		, L0002457	, L0002458	, L0002459	, L0002460	, L0002461	, L0002462	, L0002463	,
L0002464		, L0002465	, L0002466	, L0002467	, L0002468	, L0002469	, L0002470	, L0002471	,
L0002472		, L0002473	, L0002474	, L0002475	, L0002476	, L0002477	, L0002478	, L0002479	,
L0002480		, L0002481	, L0002482	, L0002483	, L0002484	, L0002485	, L0002486	, L0002487	,
L0002488		, L0002489	, L0002490	, L0002491	, L0002492	, L0002493	, L0002494	, L0002495	,
L0002496		, L0002497	, L0002498	, L0002499	, L0002500	, L0002501	, L0002502	, L0002503	,
L0002504		, L0002505	, L0002506	, L0002507	, L0002508	, L0002509	, L0002510	, L0002511	,
L0002512		, L0002513	, L0002514	, L0002515	, L0002516	, L0002517	, L0002518	, L0002519	,
L0002520		, L0002521	, L0002522	, L0002523	, L0002524	, L0002525	, L0002526	, L0002527	,
L0002528		, L0002529	, L0002530	, L0002531	, L0002532	, L0002533	, L0002534	, L0002535	,
L0002536		, L0002537	, L0002538	, L0002539	, L0002540	, L0002541	, L0002542	, L0002543	,
L0002544		, L0002545	, L0002546	, L0002547	, L0002548	, L0002549	, L0002550	, L0002551	,
L0002552		, L0002553	, L0002554	, L0002555	, L0002556	, L0002557	, L0002558	, L0002559	,
L0002560		, L0002561	, L0002562	, L0002563	, L0002564	, L0002565	, L0002566	, L0002567	,
L0002568		, L0002569	, L0002570	, L0002571	, L0002572	, L0002573	, L0002574	, L0002575	,
L0002576		, L0002577	, L0002578	, L0002579	, L0002580	, L0002581	, L0002582	, L0002583	,
L0002584		, L0002585	, L0002586	, L0002587	, L0002588	, L0002589	, L0002590	, L0002591	,
L0002592		, L0002593	, L0002594	, L0002595	, L0002596	, L0002597	, L0002598	, L0002599	,
L0002600		, L0002601	, L0002602	, L0002603	, L0002604	, L0002605	, L0002606	, L0002607	,
L0002608		, L0002609	, L0002610	, L0002611	, L0002612	, L0002613	, L0002614	, L0002615	,

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs														
-----	-----	-----														
	L0002616	,	L0002617	,	L0002618	,	L0002619	,	L0002620	,	L0002621	,	L0002622	,	L0002623	,
	L0002624	,	L0002625	,	L0002626	,	L0002627	,	L0002628	,	L0002629	,	L0002630	,	L0002631	,
	L0002632	,	L0002633	,	L0002634	,	L0002635	,	L0002636	,	L0002637	,	L0002638	,	L0002639	,
	L0002640	,	L0002641	,	L0002642	,	L0002643	,	L0002644	,	L0002645	,	L0002646	,	L0002647	,
	L0002648	,	L0002649	,	L0002650	,	L0002651	,	L0002652	,	L0002653	,	L0002654	,	L0002655	,
	L0002656	,	L0002657	,	L0002658	,	L0002659	,	L0002660	,	L0002661	,	L0002662	,	L0002663	,
	L0002664	,	L0002665	,	L0002666	,	L0002667	,	L0002668	,	L0002669	,	L0002670	,	L0002671	,
	L0002672	,	L0002673	,	L0002674	,	L0002675	,	L0002676	,	L0002677	,	L0002678	,	L0002679	,
	L0002680	,	L0002681	,	L0002682	,	L0002683	,	L0002684	,	L0002685	,	L0002686	,	L0002687	,
	L0002688	,	L0002689	,												

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

475874.8, 475924.8, 475974.8, 476024.8, 476074.8, 476124.8, 476174.8, 476224.8, 476274.8, 476324.8,
476374.8, 476424.8, 476474.8, 476524.8, 476574.8, 476624.8, 476674.8, 476724.8, 476774.8, 476824.8,
476874.8, 476924.8, 476974.8, 477024.8, 477074.8, 477124.8, 477174.8, 477224.8, 477274.8, 477324.8,
477374.8, 477424.8, 477474.8,

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

3745761.5, 3745811.5, 3745861.5, 3745911.5, 3745961.5, 3746011.5, 3746061.5, 3746111.5, 3746161.5, 3746211.5,
3746261.5, 3746311.5, 3746361.5, 3746411.5, 3746461.5, 3746511.5, 3746561.5, 3746611.5, 3746661.5, 3746711.5,
3746761.5, 3746811.5, 3746861.5, 3746911.5, 3746961.5, 3747011.5, 3747061.5,

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	475874.83	475924.83	475974.83	476024.83	476074.83	476124.83	476174.83	476224.83	476274.83
3747061.50	463.70	462.50	462.70	460.80	459.50	458.90	458.70	458.30	458.00
3747011.50	463.90	464.60	463.40	462.80	459.90	459.40	458.90	458.70	458.10
3746961.50	465.10	468.70	463.60	467.40	464.50	462.40	460.60	459.60	458.60
3746911.50	464.30	467.90	464.30	466.30	464.10	461.70	460.40	459.50	458.50
3746861.50	463.50	463.20	464.90	464.50	462.70	460.10	459.70	459.30	458.30
3746811.50	463.60	462.30	463.40	464.40	463.30	460.20	459.70	459.20	458.40
3746761.50	463.10	462.30	462.00	464.10	463.80	460.40	459.80	459.30	458.60
3746711.50	463.50	462.70	462.10	463.00	464.20	460.80	459.90	459.40	458.80
3746661.50	464.70	463.90	463.10	462.80	464.00	461.60	460.10	459.60	459.00
3746611.50	465.20	464.10	463.80	463.20	463.30	462.40	460.30	459.80	459.40
3746561.50	465.30	464.70	464.10	463.70	463.00	462.70	460.90	460.50	460.10
3746511.50	465.30	465.00	464.70	464.10	463.10	462.70	461.80	460.90	460.30
3746461.50	466.00	465.30	464.80	464.00	463.20	462.60	462.20	461.20	460.70
3746411.50	466.20	465.40	464.60	463.80	463.20	462.70	462.60	461.60	461.00
3746361.50	466.20	465.30	464.60	464.00	463.50	463.00	462.70	462.00	461.00
3746311.50	466.30	465.60	465.00	464.50	463.90	463.30	462.60	462.20	460.90
3746261.50	466.40	465.70	465.10	464.50	463.90	463.30	462.60	462.20	461.10
3746211.50	466.60	465.90	465.20	464.50	463.80	463.20	462.60	462.00	461.40
3746161.50	466.20	465.20	464.60	464.20	463.60	463.10	462.60	461.90	461.40
3746111.50	464.70	463.90	463.60	463.50	463.30	463.10	462.50	461.80	461.30
3746061.50	464.80	464.50	464.00	463.80	463.90	463.80	462.90	461.50	461.10
3746011.50	465.10	464.70	464.00	463.80	463.90	463.80	463.00	461.40	461.20
3745961.50	465.30	464.60	464.00	463.80	463.80	463.80	463.00	461.50	461.10
3745911.50	465.20	464.20	463.80	463.70	463.70	463.60	462.90	461.30	460.10
3745861.50	465.00	463.80	463.30	463.20	462.70	462.10	461.60	461.00	459.40
3745811.50	465.20	464.00	463.50	463.60	464.50	463.00	461.50	461.00	459.20
3745761.50	465.40	464.40	463.50	463.70	463.50	462.60	462.10	461.70	460.80

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	476324.83	476374.83	476424.83	476474.83	476524.83	476574.83	476624.83	476674.83	476724.83
3747061.50	457.90	457.50	457.00	456.20	455.80	455.30	455.20	454.80	454.50
3747011.50	458.10	457.80	457.10	456.50	456.00	455.20	455.40	455.00	454.50
3746961.50	458.30	457.70	457.20	456.60	456.20	455.90	455.70	455.10	454.70
3746911.50	457.70	458.30	457.30	456.60	456.30	455.90	455.70	455.20	454.70
3746861.50	457.00	456.40	458.30	456.60	456.10	455.90	455.70	455.30	454.60
3746811.50	457.50	456.80	457.80	457.20	456.40	456.20	455.90	455.40	454.90
3746761.50	458.10	458.10	457.70	457.70	456.80	456.40	456.10	455.70	455.20
3746711.50	458.30	458.50	458.10	457.60	457.10	456.60	456.20	456.00	455.40
3746661.50	458.50	458.50	458.30	457.60	457.00	456.70	456.20	455.80	455.30
3746611.50	459.00	459.00	458.90	457.90	456.90	456.60	456.30	455.60	455.30
3746561.50	459.60	459.30	459.00	458.10	457.30	456.60	456.00	455.60	455.20
3746511.50	459.80	459.30	458.70	458.10	457.50	456.90	456.30	455.80	455.40
3746461.50	460.10	459.50	458.90	458.20	457.60	456.90	456.40	456.00	455.50
3746411.50	460.30	459.60	459.00	458.40	457.80	457.20	456.60	456.00	455.70
3746361.50	460.40	459.80	459.20	458.60	457.90	457.30	456.80	456.10	455.70
3746311.50	460.30	459.80	459.20	458.60	458.00	457.50	456.90	456.20	455.70
3746261.50	460.40	459.90	459.20	458.60	458.00	457.60	457.10	456.30	455.80
3746211.50	460.60	460.20	459.30	458.70	458.20	457.70	457.10	456.40	455.90
3746161.50	460.40	459.80	459.20	458.60	458.00	457.50	457.20	456.50	456.00
3746111.50	460.40	459.60	459.00	458.50	458.10	457.70	457.40	456.70	456.30
3746061.50	460.50	459.50	459.00	458.60	458.20	457.80	457.60	456.90	456.30
3746011.50	460.80	459.50	459.10	458.60	458.30	457.90	457.60	456.60	455.30
3745961.50	460.90	459.60	459.20	458.60	458.20	457.70	457.60	456.40	455.50
3745911.50	460.90	460.30	459.50	458.90	458.30	457.60	457.60	456.40	455.60
3745861.50	460.90	460.80	459.50	459.00	458.40	457.60	457.30	456.40	455.30
3745811.50	460.70	460.90	459.60	459.00	458.40	457.70	457.30	456.10	455.10
3745761.50	461.00	460.70	460.00	459.10	458.40	457.80	457.30	456.20	455.70

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB3

*** 01/27/22
 *** 08:59:08
 PAGE 21

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	476774.83	476824.83	476874.83	476924.83	476974.83	477024.83	477074.83	477124.83	477174.83
3747061.50	454.20	453.90	453.30	452.40	451.40	452.50	453.50	453.70	453.30
3747011.50	454.20	453.80	453.50	452.90	451.60	451.40	452.80	453.50	453.40
3746961.50	454.30	454.00	453.60	453.10	452.30	451.00	451.80	453.00	453.40
3746911.50	454.50	454.30	453.80	453.20	452.60	451.50	450.90	452.20	452.70
3746861.50	454.30	454.00	453.60	453.00	452.70	452.10	450.90	451.30	451.60
3746811.50	454.50	454.00	453.50	453.10	452.70	452.40	451.70	450.80	451.30
3746761.50	454.70	454.20	453.70	453.20	452.80	452.40	451.80	451.40	451.00
3746711.50	455.30	454.60	453.70	453.30	452.80	452.40	451.90	451.40	450.70
3746661.50	455.10	454.40	453.60	453.20	452.70	452.30	451.80	451.30	450.90
3746611.50	454.90	454.30	453.70	453.20	452.70	452.20	451.80	451.40	451.00
3746561.50	454.70	454.30	453.80	453.30	452.90	452.40	452.00	451.50	451.10
3746511.50	454.80	454.30	453.90	453.40	452.90	452.50	452.00	451.60	451.10
3746461.50	454.90	454.40	453.90	453.40	452.90	452.50	452.00	451.60	451.30
3746411.50	454.90	454.30	453.80	453.30	453.00	452.60	452.20	451.90	451.50
3746361.50	455.00	454.40	453.90	453.40	453.10	452.90	452.50	452.20	451.80
3746311.50	455.10	454.60	454.20	453.80	453.40	453.10	452.80	452.30	451.90
3746261.50	455.30	454.90	454.40	454.00	453.60	453.20	452.90	452.40	452.00
3746211.50	455.50	455.10	454.60	454.20	453.80	453.40	453.00	452.60	452.10
3746161.50	455.70	455.30	454.80	454.40	454.00	453.50	453.00	452.60	452.10
3746111.50	455.90	455.50	455.00	454.50	454.20	453.50	453.00	452.60	452.20
3746061.50	455.90	455.40	454.90	454.40	454.10	453.50	453.10	452.70	452.30
3746011.50	454.80	454.40	453.90	453.30	453.00	453.20	453.10	452.80	452.40
3745961.50	454.90	454.40	454.10	453.90	453.60	453.30	453.00	452.60	452.30
3745911.50	454.90	454.40	454.10	453.90	453.60	453.30	453.00	452.50	452.20
3745861.50	454.80	454.40	454.10	453.90	453.60	453.30	452.90	452.50	452.20
3745811.50	454.70	454.50	454.20	453.70	453.20	453.00	452.70	452.90	452.70
3745761.50	455.40	455.00	454.70	454.30	453.80	453.50	453.10	452.90	452.70

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB3

*** 01/27/22
 *** 08:59:08
 *** PAGE 22

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	477224.83	477274.83	477324.83	477374.83	477424.83	477474.83
3747061.50	452.00	451.00	450.60	450.80	450.70	450.50
3747011.50	452.60	451.40	450.60	450.60	450.70	450.30
3746961.50	452.80	451.60	451.10	450.90	450.70	450.30
3746911.50	452.10	451.40	451.20	451.00	450.70	450.30
3746861.50	451.60	451.30	451.10	450.80	450.50	450.30
3746811.50	451.30	451.10	450.90	450.70	450.40	450.20
3746761.50	451.00	450.90	450.80	450.50	450.20	450.00
3746711.50	450.80	450.70	450.50	450.30	450.00	449.80
3746661.50	450.40	450.40	450.30	450.20	449.80	449.60
3746611.50	450.50	450.20	450.10	449.90	449.60	449.40
3746561.50	450.70	450.30	449.80	449.50	449.30	448.30
3746511.50	450.80	450.50	450.20	450.00	449.60	449.50
3746461.50	450.80	450.40	450.30	450.00	449.80	449.50
3746411.50	451.20	450.70	450.10	449.90	449.90	449.40
3746361.50	451.40	451.00	450.50	449.90	449.80	449.40
3746311.50	451.40	451.00	450.50	450.10	449.70	449.50
3746261.50	451.50	451.10	450.70	450.20	449.80	449.70
3746211.50	451.70	451.20	450.80	450.40	449.90	449.60
3746161.50	451.70	451.40	451.00	450.60	450.20	449.70
3746111.50	451.80	451.50	451.10	450.70	450.30	449.80
3746061.50	451.80	451.40	451.10	450.70	450.30	449.80
3746011.50	451.90	451.50	451.10	450.70	450.20	449.80
3745961.50	451.90	451.40	451.00	450.70	450.30	449.90
3745911.50	450.90	451.10	451.10	450.70	450.40	450.10
3745861.50	450.80	451.00	451.30	450.80	450.50	450.20
3745811.50	450.90	451.10	451.30	450.90	450.70	450.50
3745761.50	451.90	451.70	451.50	451.20	450.90	450.60

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB3

*** 01/27/22
 *** 08:59:08
 *** PAGE 23

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	475874.83	475924.83	475974.83	476024.83	476074.83	476124.83	476174.83	476224.83	476274.83
3747061.50	463.70	462.50	462.70	460.80	459.50	458.90	458.70	458.30	458.00
3747011.50	463.90	470.40	463.40	466.70	468.10	459.40	458.90	458.70	458.10
3746961.50	470.40	470.40	470.40	467.40	465.80	463.40	460.60	459.60	458.60
3746911.50	470.40	470.00	470.00	468.70	468.70	463.40	460.40	459.50	458.50
3746861.50	463.50	470.00	464.90	464.50	463.80	460.10	459.70	459.30	458.30
3746811.50	463.60	462.30	463.40	464.40	463.30	460.20	459.70	459.20	458.40
3746761.50	463.10	462.30	462.00	464.10	463.80	460.40	459.80	459.30	458.60
3746711.50	463.50	462.70	462.10	463.00	464.20	460.80	459.90	459.40	458.80
3746661.50	464.70	463.90	463.10	462.80	464.00	461.60	460.10	459.60	459.00
3746611.50	465.20	464.10	463.80	463.20	463.30	462.40	460.30	459.80	459.40
3746561.50	465.30	464.70	464.10	463.70	463.00	462.70	460.90	460.50	460.10
3746511.50	465.30	465.00	464.70	464.10	463.10	462.70	461.80	460.90	460.30
3746461.50	466.00	465.30	464.80	464.00	463.20	462.60	462.20	461.20	460.70
3746411.50	466.20	465.40	464.60	463.80	463.20	462.70	462.60	461.60	461.00
3746361.50	466.20	465.30	464.60	464.00	463.50	463.00	462.70	462.00	461.00
3746311.50	466.30	465.60	465.00	464.50	463.90	463.30	462.60	462.20	460.90
3746261.50	466.40	465.70	465.10	464.50	463.90	463.30	462.60	462.20	461.10
3746211.50	466.60	465.90	465.20	464.50	463.80	463.20	462.60	462.00	461.40
3746161.50	466.20	465.20	464.60	464.20	463.60	463.10	462.60	461.90	461.40
3746111.50	464.70	463.90	463.60	463.50	463.30	463.10	462.50	461.80	461.30
3746061.50	464.80	464.50	464.00	463.80	463.90	463.80	462.90	461.50	461.10
3746011.50	465.10	464.70	464.00	463.80	463.90	463.80	463.00	461.40	461.20
3745961.50	465.30	464.60	464.00	463.80	463.80	463.80	463.00	461.50	461.10
3745911.50	465.20	464.20	463.80	463.70	463.70	463.60	462.90	461.30	460.10
3745861.50	465.00	463.80	463.30	463.20	462.70	462.10	461.60	461.00	459.40
3745811.50	465.20	464.00	463.50	463.60	464.50	463.00	461.50	461.00	459.20
3745761.50	465.40	464.40	463.50	463.70	463.50	462.60	462.10	461.70	460.80

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB3

*** 01/27/22
 *** 08:59:08
 *** PAGE 25

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	476774.83	476824.83	476874.83	476924.83	476974.83	477024.83	477074.83	477124.83	477174.83
3747061.50	454.20	453.90	453.30	452.40	451.40	452.50	453.50	453.70	453.30
3747011.50	454.20	453.80	453.50	452.90	451.60	451.40	452.80	453.50	453.40
3746961.50	454.30	454.00	453.60	453.10	452.30	451.00	451.80	453.00	453.40
3746911.50	454.50	454.30	453.80	453.20	452.60	451.50	450.90	452.20	452.70
3746861.50	454.30	454.00	453.60	453.00	452.70	452.10	450.90	451.30	451.60
3746811.50	454.50	454.00	453.50	453.10	452.70	452.40	451.70	450.80	451.30
3746761.50	454.70	454.20	453.70	453.20	452.80	452.40	451.80	451.40	451.00
3746711.50	455.30	454.60	453.70	453.30	452.80	452.40	451.90	451.40	450.70
3746661.50	455.10	454.40	453.60	453.20	452.70	452.30	451.80	451.30	450.90
3746611.50	454.90	454.30	453.70	453.20	452.70	452.20	451.80	451.40	451.00
3746561.50	454.70	454.30	453.80	453.30	452.90	452.40	452.00	451.50	451.10
3746511.50	454.80	454.30	453.90	453.40	452.90	452.50	452.00	451.60	451.10
3746461.50	454.90	454.40	453.90	453.40	452.90	452.50	452.00	451.60	451.30
3746411.50	454.90	454.30	453.80	453.30	453.00	452.60	452.20	451.90	451.50
3746361.50	455.00	454.40	453.90	453.40	453.10	452.90	452.50	452.20	451.80
3746311.50	455.10	454.60	454.20	453.80	453.40	453.10	452.80	452.30	451.90
3746261.50	455.30	454.90	454.40	454.00	453.60	453.20	452.90	452.40	452.00
3746211.50	455.50	455.10	454.60	454.20	453.80	453.40	453.00	452.60	452.10
3746161.50	455.70	455.30	454.80	454.40	454.00	453.50	453.00	452.60	452.10
3746111.50	455.90	455.50	455.00	454.50	454.20	453.50	453.00	452.60	452.20
3746061.50	455.90	455.40	454.90	454.40	454.10	453.50	453.10	452.70	452.30
3746011.50	454.80	454.40	453.90	453.30	453.00	453.20	453.10	452.80	452.40
3745961.50	454.90	454.40	454.10	453.90	453.60	453.30	453.00	452.60	452.30
3745911.50	454.90	454.40	454.10	453.90	453.60	453.30	453.00	452.50	452.20
3745861.50	454.80	454.40	454.10	453.90	453.60	453.30	452.90	452.50	452.20
3745811.50	454.70	454.50	454.20	453.70	453.20	453.00	452.70	452.90	452.70
3745761.50	455.40	455.00	454.70	454.30	453.80	453.50	453.10	452.90	452.70

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
*** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB3

*** 01/27/22
*** 08:59:08
PAGE 27

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

(476626.2, 3746355.7,	456.8,	456.8,	0.0);	(477039.0, 3746208.7,	453.4,	453.4,	0.0);
(477072.9, 3746156.0,	453.0,	453.0,	0.0);	(476626.4, 3746197.4,	457.1,	457.1,	0.0);
(476701.9, 3746456.7,	455.7,	455.7,	0.0);	(476916.7, 3746454.7,	453.5,	453.5,	0.0);
(476963.6, 3746058.0,	454.0,	454.0,	0.0);	(476619.8, 3746545.9,	456.1,	456.1,	0.0);

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB3

*** 01/27/22
 *** 08:59:08
 *** PAGE 28

*** 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 --		DISTANCE (METERS)
	XR (METERS)	YR (METERS)	
L0002341	476624.8	3746561.5	0.54
L0002342	476624.8	3746561.5	-5.65
L0002343	476624.8	3746561.5	0.42
L0002355	476524.8	3746611.5	-0.52
L0002373	476474.8	3746761.5	-6.21
L0002374	476474.8	3746761.5	-1.86
L0002408	476274.8	3746961.5	-0.56
L0002409	476274.8	3746961.5	-5.77
L0002441	476674.8	3746161.5	-2.81
L0002442	476674.8	3746161.5	-2.02
L0002466	476674.8	3746361.5	-0.17
L0002467	476674.8	3746361.5	-2.90
L0002523	476724.8	3746061.5	0.68
L0002586	476974.8	3746411.5	-3.40
L0002587	476974.8	3746411.5	-3.93


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*** AERMOD - VERSION 19191 ***   *** Duke Warehouse at Patterson and Nance   ***   01/27/22
*** AERMET - VERSION 16216 ***   *** Project Only DPM Concentration (2023) - AB3   ***   08:59:08
*** MODELOPTs:   RegDFault   CONC   ELEV   URBAN   ADJ_U*   ***   PAGE 32

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*** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL   ***
      INCLUDING SOURCE(S):   L0002296   ,   L0002297   ,   L0002298   ,   L0002299   ,   L0002300   ,
L0002301   ,   L0002302   ,   L0002303   ,   L0002304   ,   L0002305   ,   L0002306   ,   L0002307   ,   L0002308   ,
L0002309   ,   L0002310   ,   L0002311   ,   L0002312   ,   L0002313   ,   L0002314   ,   L0002315   ,   L0002316   ,
L0002317   ,   L0002318   ,   L0002319   ,   L0002320   ,   L0002321   ,   L0002322   ,   L0002323   ,   . . .   ,

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

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

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Y-COORD (METERS)	476324.83	476374.83	476424.83	X-COORD (METERS)		476574.83	476624.83	476674.83	476724.83
3747061.50	0.00035	0.00034	0.00032	0.00030	0.00029	0.00028	0.00027	0.00027	0.00026
3747011.50	0.00052	0.00046	0.00041	0.00036	0.00034	0.00032	0.00030	0.00030	0.00029
3746961.50	0.00146	0.00082	0.00058	0.00046	0.00040	0.00036	0.00034	0.00033	0.00032
3746911.50	0.00093	0.00182	0.00123	0.00062	0.00047	0.00042	0.00039	0.00037	0.00036
3746861.50	0.00060	0.00077	0.00180	0.00093	0.00058	0.00048	0.00044	0.00042	0.00041
3746811.50	0.00051	0.00062	0.00098	0.00166	0.00071	0.00056	0.00051	0.00048	0.00047
3746761.50	0.00047	0.00057	0.00081	0.00159	0.00088	0.00065	0.00059	0.00056	0.00054
3746711.50	0.00045	0.00054	0.00072	0.00157	0.00113	0.00078	0.00069	0.00066	0.00064
3746661.50	0.00044	0.00052	0.00067	0.00107	0.00196	0.00097	0.00084	0.00079	0.00077
3746611.50	0.00044	0.00051	0.00063	0.00088	0.00186	0.00146	0.00114	0.00101	0.00095
3746561.50	0.00044	0.00051	0.00062	0.00080	0.00112	0.00193	0.00179	0.00138	0.00121
3746511.50	0.00044	0.00052	0.00063	0.00078	0.00099	0.00135	0.00270	0.00187	0.00164
3746461.50	0.00045	0.00053	0.00064	0.00079	0.00101	0.00139	0.00294	0.00284	0.00283
3746411.50	0.00045	0.00054	0.00065	0.00082	0.00106	0.00147	0.00258	0.00339	0.00378
3746361.50	0.00046	0.00055	0.00067	0.00085	0.00112	0.00159	0.00286	0.00434	0.01036
3746311.50	0.00046	0.00055	0.00068	0.00087	0.00116	0.00169	0.00321	0.00509	0.01583
3746261.50	0.00046	0.00055	0.00068	0.00087	0.00118	0.00173	0.00332	0.00534	0.01635
3746211.50	0.00045	0.00054	0.00066	0.00085	0.00114	0.00168	0.00321	0.00536	0.01617
3746161.50	0.00044	0.00052	0.00064	0.00081	0.00107	0.00152	0.00272	0.00471	0.01506
3746111.50	0.00042	0.00050	0.00060	0.00075	0.00096	0.00130	0.00190	0.00324	0.00634
3746061.50	0.00040	0.00047	0.00056	0.00068	0.00085	0.00108	0.00144	0.00211	0.00317
3746011.50	0.00037	0.00043	0.00051	0.00061	0.00073	0.00090	0.00111	0.00139	0.00169
3745961.50	0.00034	0.00040	0.00046	0.00054	0.00063	0.00075	0.00088	0.00103	0.00119
3745911.50	0.00032	0.00037	0.00042	0.00048	0.00055	0.00063	0.00072	0.00081	0.00091
3745861.50	0.00030	0.00033	0.00038	0.00042	0.00048	0.00054	0.00060	0.00067	0.00073
3745811.50	0.00028	0.00030	0.00034	0.00038	0.00042	0.00046	0.00051	0.00056	0.00060
3745761.50	0.00025	0.00028	0.00031	0.00034	0.00037	0.00041	0.00044	0.00047	0.00051


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*** AERMOD - VERSION 19191 ***   *** Duke Warehouse at Patterson and Nance   ***   01/27/22
*** AERMET - VERSION 16216 ***   *** Project Only DPM Concentration (2023) - AB3   ***   08:59:08
*** MODELOPTs:   RegDFault  CONC  ELEV  URBAN  ADJ_U*   ***   PAGE 35

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*** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION  VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0002296   ,   L0002297   ,   L0002298   ,   L0002299   ,   L0002300   ,
L0002301   ,   L0002302   ,   L0002303   ,   L0002304   ,   L0002305   ,   L0002306   ,   L0002307   ,   L0002308   ,
L0002309   ,   L0002310   ,   L0002311   ,   L0002312   ,   L0002313   ,   L0002314   ,   L0002315   ,   L0002316   ,
L0002317   ,   L0002318   ,   L0002319   ,   L0002320   ,   L0002321   ,   L0002322   ,   L0002323   ,   . . .

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*** 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	X-COORD (M)	Y-COORD (M)	CONC
476626.18	3746355.71	0.00300	477038.97	3746208.74	0.00418			
477072.88	3746155.99	0.00260	476626.41	3746197.44	0.00324			
476701.86	3746456.71	0.00317	476916.72	3746454.73	0.00345			
476963.62	3746058.03	0.00563	476619.81	3746545.95	0.00256			

*** AERMOD - VERSION 19191 *** Duke Warehouse at Patterson and Nance
 *** AERMET - VERSION 16216 *** Project Only DPM Concentration (2023) - AB3

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*** MODELOPTs: RegDEFAULT 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	0.01635 AT (476724.83, 3746261.50, 455.80, 455.80, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.01617 AT (476724.83, 3746211.50, 455.90, 455.90, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.01583 AT (476724.83, 3746311.50, 455.70, 455.70, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.01579 AT (476974.83, 3746261.50, 453.60, 453.60, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.01579 AT (476974.83, 3746211.50, 453.80, 453.80, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.01531 AT (476974.83, 3746161.50, 454.00, 454.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.01528 AT (476974.83, 3746311.50, 453.40, 453.40, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.01506 AT (476724.83, 3746161.50, 456.00, 456.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.01342 AT (476974.83, 3746111.50, 454.20, 454.20, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.01295 AT (476974.83, 3746361.50, 453.10, 453.10, 0.00)	GC	UCART1

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

*** AERMOD - VERSION 19191 *** *** Duke Warehouse at Patterson and Nance
*** AERMET - VERSION 16216 *** *** Project Only DPM Concentration (2023) - AB3

*** 01/27/22
*** 08:59:08
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*** 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 1027 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1027 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 ***
