# BLOOMINGTON TRUCK STORAGE PROJECT HEALTH RISK ASSESSMENT ANALYSIS

County of San Bernardino
June 14, 2021
(Revised October 19, 2021)

ganddini

Traffic Engineering ● Transportation Planning ● Parking ● Noise & Vibration
Air Quality ● Global Climate Change ● Health Risk Assessment

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# EXECUTIVE SUMMARY

The purpose of this health risk assessment analysis is to provide an assessment of the impacts resulting from the operation of the proposed Bloomington Truck Storage project and to identify measures that may be necessary to reduce potentially significant impacts.

*Cancer and Non-Cancer-Related Health Risk Impacts*

The analysis contained in this report shows that the existing sensitive receptors, within the vicinity of the proposed Bloomington Truck Storage project, would not be exposed to a cancer risk in excess of 10 in a million from operation of the project. Impacts are considered to be less than significant.

The operational health risk impacts for non-cancer related impacts are less than 1.0; therefore, they are also considered to be less significant. No mitigation is required.

# 1. INTRODUCTION AND SETTING

This section describes the purpose of this health risk assessment, project location, proposed development, and study area. Figure 1 shows the project location map and Figure 2 illustrates the project site plan.

### PURPOSE AND OBJECTIVES

This study was performed to address the possibility of cancer and non-cancer risk from project related diesel emissions. The objectives of the study include:

- discussion of the cancer risk thresholds of significance
- analysis of the operations related cancer risk from diesel emissions
- recommendations for mitigation measures

The County of San Bernardino is the lead agency for this health risk assessment, in accordance with the California Environmental Quality Act authorizing legislation. Although this is a technical report, every effort has been made to write the report clearly and concisely. To assist the reader with terms unique to air quality, a definition of terms has been provided in Appendix A.

### PROJECT LOCATION

The proposed project is located west of Cedar Avenue, between Slover Avenue and Santa Ana Avenue, in the County of San Bernardino. The site is currently vacant. A vicinity map showing the project location is provided on Figure 1.

### PROJECT DESCRIPTION

The project is proposed to consist of up to 8.94 acres of truck terminal use. The facility would provide storage for trailers during delivery off seasons and/or between deliveries. Storage typically ranges from a couple of days to months and these types of sites are typically at a maximum of 80 percent occupancy. The project requires the approval of a Conditional Use Permit (CUP) and Zone Change to change the existing zoning from General Commercial (CG) to Service Commercial (CS). Access to the project site will be provided to Cedar Avenue via a proposed full-access signalized driveway. Secure access to the facility would then be via rolling gates at the guard shack. Regional access to the project site will be provided by the Interstate 10 Freeway via Cedar Avenue. The facility would include 275 parking spaces in total: 260 truck trailer spaces each at 12 foot by 55 foot, 14 standard car spaces, and 1 handicap accessible space. The proposed project includes a 2,400 square-foot building for office use and storage, an approximate 250 square-foot guard shack, and a 4,800 square-foot maintenance shop with four repair bays. The proposed project is planned to operate 24 hours a day, seven days a week, and requires less than 10 office and maintenance employees and one full-time employee on-site at all times. Figure 2 illustrates the proposed site plan.

According to the SCAQMD's MATES-IV study, the project area has an estimated, ambient cancer risk between 727.4 and 771.83 in one million. In comparison, the average cancer risk for the South Coast Air Basin portion of San Bernardino County is 339 in one million. This increased cancer risk is largely due to the proximity to the Union Pacific Railroad rail line and Interstate 10 Freeway.

### PHASING AND TIMING

The proposed project is anticipated to be operational in 2021.

## Sensitive Receptors in Project Vicinity

Sensitive receptors include residential land uses, schools, day care centers, and other places where people reside, including prisons. The nearest sensitive receptors to the proposed project are the single-family residential dwelling units located adjacent to the north, approximately 55 feet southwest, 85 feet southeast (across Cedar Avenue), 235 feet to the northeast (across Cedar Avenue), and 385 feet to the west and the mobile home park located approximately 85 feet east (across Cedar Avenue) of the project site. The Cedar House Life Change Center is also located adjacent to the south of the project site.

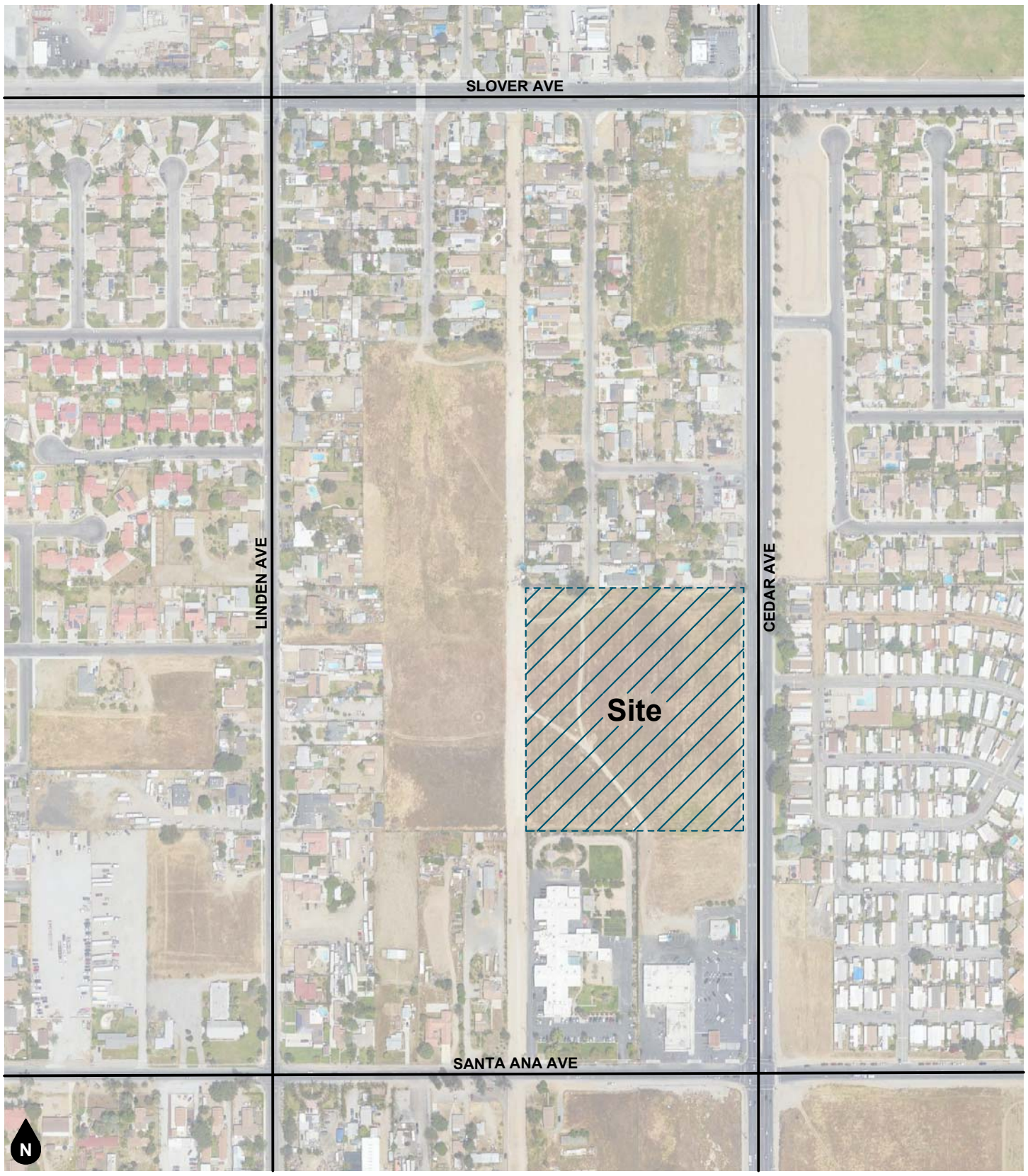



**Figure 1**
**Project Location Map**

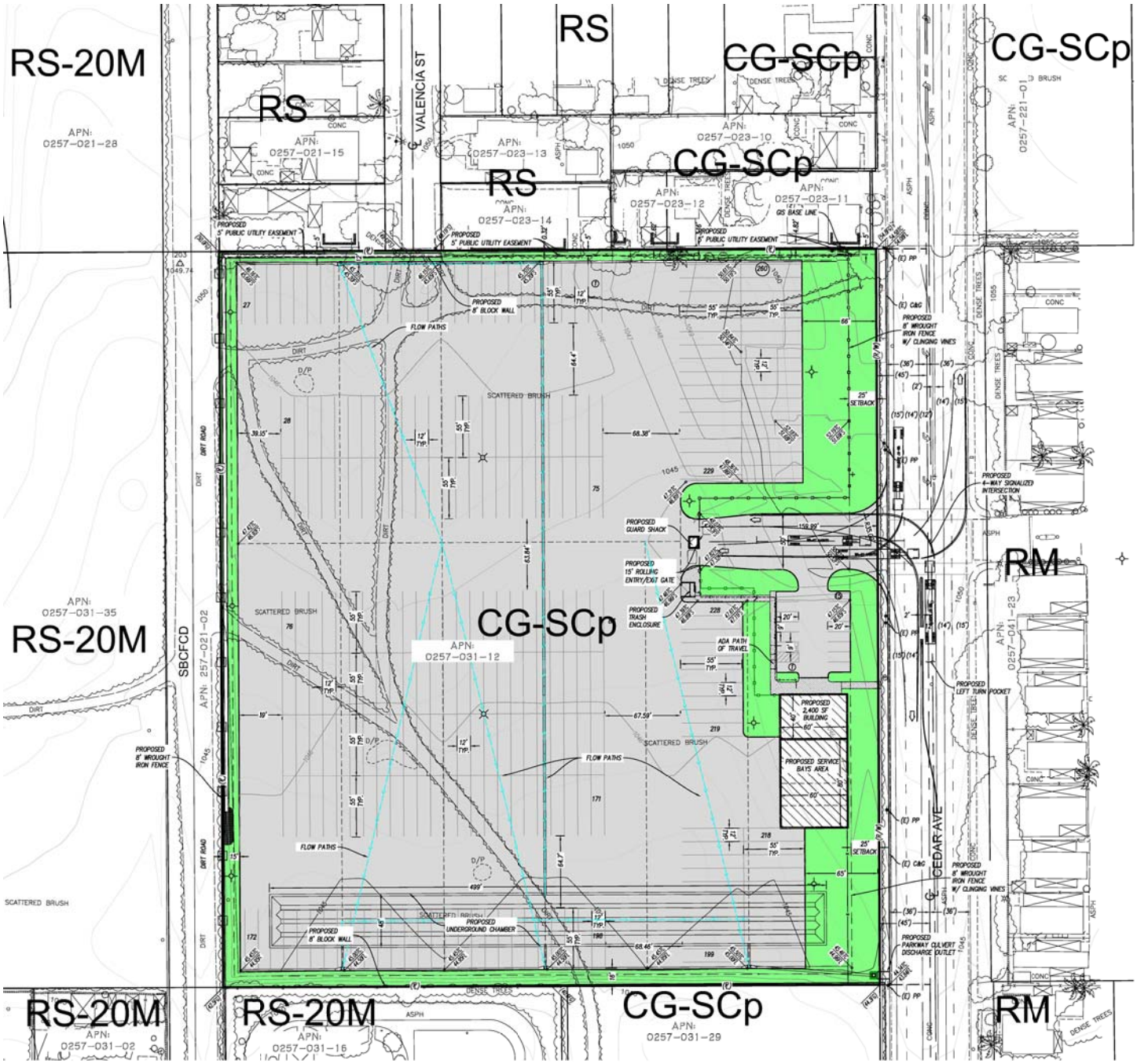



**Figure 2**
**Site plan**

# 2. POLLUTANTS AND REGULATORY SETTING

## POLLUTANTS

Pollutants are generally classified as either criteria pollutants or non-criteria pollutants. Federal ambient air quality standards have been established for criteria pollutants, whereas no ambient standards have been established for non-criteria pollutants. For some criteria pollutants, separate standards have been set for different periods. Most standards have been set to protect public health. For some pollutants, standards have been based on other values (such as protection of crops, protection of materials, or avoidance of nuisance conditions). A summary of federal and state ambient air quality standards is provided in the Regulatory Framework section.

### Toxic Air Contaminants

In addition to the above-listed criteria pollutants, toxic air contaminants (TACs) are another group of pollutants of concern. Sources of toxic air contaminants include industrial processes such as petroleum refining and chrome plating operations, commercial operations such as gasoline stations and dry cleaners, and motor vehicle exhaust. Cars and trucks release at least forty different toxic air contaminants. The most important of these toxic air contaminants, in terms of health risk, are diesel particulates, benzene, formaldehyde, 1,3-butadiene, and acetaldehyde. Public exposure to toxic air contaminants can result from emissions from normal operations as well as from accidental releases. Health effects of toxic air contaminants include cancer, birth defects, neurological damage, and death.

Toxic air contaminants are less pervasive in the urban atmosphere than criteria air pollutants, however they are linked to short-term (acute) or long-term (chronic or carcinogenic) adverse human health effects. There are hundreds of different types of toxic air contaminants with varying degrees of toxicity. Sources of toxic air contaminants include industrial processes, commercial operations (e.g., gasoline stations and dry cleaners), and motor vehicle exhaust.

According to the 2013 California Almanac of Emissions and Air Quality, the majority of the estimated health risk from toxic air contaminants can be attributed to relatively few compounds, the most important of which is diesel particulate matter (DPM). Diesel particulate matter is a subset of PM2.5 because the size of diesel particles are typically 2.5 microns and smaller. The identification of diesel particulate matter as a toxic air contaminant in 1998 led the California Air Resources Board (CARB) to adopt the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-fueled Engines and Vehicles in September 2000. The plan's goals are a 75-percent reduction in diesel particulate matter by 2010 and an 85-percent reduction by 2020 from the 2000 baseline. Diesel engines emit a complex mixture of air pollutants, composed of gaseous and solid material. The visible emissions in diesel exhaust are known as particulate matter or PM, which includes carbon particles or "soot". Diesel exhaust also contains a variety of harmful gases and over 40 other cancer-causing substances. California's identification of diesel particulate matter as a toxic air contaminant was based on its potential to cause cancer, premature deaths, and other health problems. Exposure to diesel particulate matter is a health hazard, particularly to children whose lungs are still developing and the elderly who may have other serious health problems. Overall, diesel engine emissions are responsible for the majority of California's potential airborne cancer risk from combustion sources.

The California Air Resources Board (CARB) have monitoring networks that measure ambient concentrations of certain TACs that are associated with important health-related effects and are present in appreciable concentrations in the area. The CARB publishes annual Statewide, air basin, and location-specific summaries of the concentration levels of several TACs and their resulting cancer risks.[1] The most recent summary is the CARB Air Quality Almanac for 2013 (CARB 2013). The Almanac presents the relevant concentration

[1] Cancer risk is expressed as a probability of an individual out of a population of one million contracting cancer via a continuous exposure to TACs over a 30-year lifetime.

and cancer risk data for the ten TACs that pose the most substantial health risk in California based on available data. These TACs are: acetaldehyde, benzene, 1,3-butadiene, carbon tetrachloride, hexavalent chromium, para-dichlorobenzene, formaldehyde, methylene chloride, and perchloroethylene. DPM is not directly measured but is indirectly estimated based on fine particulate matter measurements and special studies on the chemical speciation of ambient fine particulate data along with receptor modeling techniques. CARB showed that Diesel PM emissions decreased 37 percent from 2000 to 2010 primarily as a result of more stringent emissions standards and the introduction of cleaner burning diesel fuel. Emissions from diesel mobile sources are projected to continue to decrease after 2010. Overall, statewide emissions are forecasted to decline by 71 per cent between 2000 and 2035. CARB estimates that 78 percent of the known statewide cancer risks are from the top 10 outdoor air toxics in addition to DPM.

Estimates of total cancer risk Statewide have shown a steady decline from the early 1990s when the cancer risk from DPM was estimated to be 1,696 in one million. By the year 2000, the cancer risk was estimated to be 1,005 in one million or a reduction of 41 percent. Reductions in cancer risk are expected to continue into the future as new emission controls are implemented that further reduce DPM emissions, the major component of the total airborne cancer risk. Table 1 provides this summary of TACs and health risk information from the ARB Annual Toxic Summary for the most recent three-year period, 2017-2019 for the Riverside-Rubidoux air monitoring station, the closest air monitoring station to the project site with recent data, located approximately 4.05 miles southwest of the project site. The cancer risk attributable to the non-DPM chemicals (i.e., the 10 TACs measured by the ARB described above) have also shown reductions at the Riverside-Rubidoux location declining from an estimated cancer risk of 397 in one million in 2017, to 366 in one million in 2018.

**Asbestos**

Asbestos is listed as a TAC by the CARB and as a Hazardous Air Pollutant by the United States Environmental Protection Agency (EPA). Asbestos occurs naturally in mineral formations and crushing or breaking these rocks, through construction or other means, can release asbestiform fibers into the air. Asbestos emissions can result from the sale or use of asbestos-containing materials, road surfacing with such materials, grading activities, and surface mining. The risk of disease is dependent upon the intensity and duration of exposure. When inhaled, asbestos fibers may remain in the lungs and with time may be linked to such diseases as asbestosis, lung cancer, and mesothelioma. Naturally occurring asbestos is not present in San Bernardino County. The nearest likely locations of naturally occurring asbestos, as identified in the General Location Guide for Ultramafic Rocks in California prepared by the California Division of Mines and Geology, is located at Asbestos Mountain, in the San Jacinto Mountains, approximately 61 miles southeast of the project site. Due to the distance to the nearest natural occurrences of asbestos, the project site is not likely to contain asbestos.

## REGULATORY SETTING

The proposed project is addressed through the efforts of various international, federal, state, regional, and local government agencies. These agencies work jointly, as well as individually, to improve air quality through legislation, regulations, planning, policy making, education, and a variety of programs. The agencies responsible for improving the air quality are discussed below.

**Federal – United States Environmental Protection Agency (EPA)**

The EPA is responsible for setting and enforcing the National Ambient Air Quality Standards (NAAQS) for atmospheric pollutants. It regulates emission sources that are under the exclusive authority of the federal government, such as aircraft, ships, and certain locomotives. The National Ambient Air Quality Standards (NAAQS) pollutants were identified using medical evidence.

As part of its enforcement responsibilities, the EPA requires each state with federal nonattainment areas to prepare and submit a State Implementation Plan (SIP) that demonstrates the means to attain the national standards. The State Implementation Plan (SIP) must integrate federal, state, and local components and regulations to identify specific measures to reduce pollution, using a combination of performance standards and market-based programs within the timeframe identified in the State Implementation Plan (SIP).

**State – California Air Resources Board**

The CARB, which is a part of the California Environmental Protection Agency, is responsible for the coordination and administration of both federal and state air pollution control programs within California. In this capacity, the CARB conducts research, sets the California Ambient Air Quality Standards (CAAQS), compiles emission inventories, develops suggested control measures, provides oversight of local programs, and prepares the State Implementation Plan (SIP). In addition, the CARB establishes emission standards for motor vehicles sold in California, consumer products (e.g., hairspray, aerosol paints, and barbeque lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions.

CARB Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling adopts new section 2485 within Chapter 10, Article 1, Division 3, Title 13 in the California Code of Regulations. The measure limits the idling of diesel vehicles (i.e., commercial trucks over 10,000 pounds) to reduce emissions of toxics and criteria pollutants. The driver of any vehicle subject to this section: (1) shall not idle the vehicle's primary diesel engine for greater than five minutes at any location; and (2) shall not idle a diesel-fueled auxiliary power system for more than five minutes to power a heater, air conditioner, or any ancillary equipment on the vehicle if it has a sleeper berth and the truck is located within 100 feet of a restricted area (homes and schools).

CARB Requirements to Reduce Idling Emissions from New and In-Use Trucks. Amendments were made to Title 13 in California Code of Regulations in Sections 1956.8, 2404, 2424, 2425, and 2485. The amendment states: "all new 2008 and subsequent model-year heavy-duty diesel engines shall be equipped with an engine shutdown system that automatically shuts down the engine after 300 seconds of continuous idling operation once the vehicle is stopped, the transmission is set to 'neutral' or 'park,' and the parking brake is engaged. If the parking brake is not engaged, then the engine shutdown system shall shut down the engine after 900 seconds of continuous idling operation once the vehicle is stopped and the transmission is set to 'neutral' or 'park.'" There are a few conditions where the engine shutdown system can be overridden to prevent engine damage. Any project trucks manufactured after 2008 would be consistent with this rule, which would ultimately reduce air emissions.

Statewide Truck and Bus Regulation (Regulation to Reduce Emissions of DPM, Oxides of Nitrogen and Other Criteria Pollutants, from In-Use Heavy-Duty Diesel-Fueled Vehicles, Title 13, California Code of Regulations, Section 2025). On December 12, 2008, the ARB approved this regulation to reduce emissions from existing on-road diesel trucks and buses operating in California. This regulation applies to all on-road heavy-duty diesel-fueled vehicles with a gross vehicle weight rating greater than 14,000 pounds, agricultural yard trucks with off-road certified engines, and certain diesel fueled shuttle vehicles of any gross vehicle weight rating. Out-of-state trucks and buses that operate in California are also subject. Under the regulation, older, heavier trucks (i.e., those with pre-2000-year engines and a gross vehicle weight rating greater than 26,000 pounds), are required to have installed a particulate matter filter and must be replaced with a 2010 engine between 2015 and 2020, depending on the model year. By 2015, all heavier pre-1994 trucks must be upgraded to 2010 engines and newer trucks are thereafter required to be replaced over the next eight years. Older, more polluting trucks are required to be replaced first, while trucks that already have relatively clean 2007-2009 engines are not required to be replaced until 2023. Lighter trucks (14,001-26,000 pounds) must adhere to a similar schedule. Furthermore, nearly all trucks that are not required under the Truck and Bus Regulation to be replaced by 2015 were required to be upgraded with a particulate matter filter by that date.

The CARB is also responsible for regulations pertaining to toxic air contaminants. The Air Toxics "Hot Spots" Information and Assessment Act (AB 2588, 1987, Connelly) was enacted in 1987 as a means to establish a formal air toxics emission inventory risk quantification program. AB 2588, as amended, establishes a process that requires stationary sources to report the type and quantities of certain substances their facilities routinely release into the air basin. The data is ranked by high, intermediate, and low categories, which are determined by: the potency, toxicity, quantity, volume, and proximity of the facility to nearby receptors.

*AB 617 Nonvehicular air pollution: criteria air pollutants and toxic air contaminants*

This bill requires the state board to develop a uniform statewide system of annual reporting of emissions of criteria air pollutants and toxic air contaminants for use by certain categories of stationary sources. The bill requires those stationary sources to report their annual emissions of criteria air pollutants and toxic air contaminants, as specified. This bill required the state board, by October 1, 2018, to prepare a monitoring plan regarding technologies for monitoring criteria air pollutants and toxic air contaminants and the need for and benefits of additional community air monitoring systems, as defined. The bill requires the state board to select, based on the monitoring plan, the highest priority locations in the state for the deployment of community air monitoring systems. The bill requires an air district containing a selected location, by July 1, 2019, to deploy a system in the selected location. The bill would authorize the air district to require a stationary source that emits air pollutants in, or that materially affect, the selected location to deploy a fence-line monitoring system, as defined, or other specified real-time, on-site monitoring. The bill authorizes the state board, by January 1, 2020, and annually thereafter, to select additional locations for the deployment of the systems. The bill would require air districts that have deployed a system to provide to the state board air quality data produced by the system. By increasing the duties of air districts, this bill would impose a state-mandated local program. The bill requires the state board to publish the data on its Internet Web site.

**Regional**

The project site is located in Bloomington, in San Bernardino County, which is part of the South Coast Air Basin (SCAB) that includes all of Orange County as well as the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The South Coast Air Basin is located on a coastal plain with connecting broad valleys and low hills to the east. Regionally, the South Coast Air Basin is bounded by the Pacific Ocean to the southwest and high mountains to the east forming the inland perimeter.

*SCAQMD*

The SCAQMD is the agency principally responsible for comprehensive air pollution control in the South Coast Air Basin. To that end, as a regional agency, the SCAQMD works directly with the Southern California Association of Governments (SCAG), county transportation commissions, and local governments and cooperates actively with all federal and state agencies.

In addition to attaining and maintaining air quality standards set by State and Federal Governments, the District is also responsible for ensuring that toxic air pollutants do not pose a nuisance or significant health threat to the surrounding community. Every year, the State's Air Toxics Hot Spots program (AB 2588) requires the District to quantify and assess health risks from subject facilities to nearby residents, notify affected residents of significant risks, and to reduce those significant health risks to acceptable levels.

*Health Risk Significant Thresholds*

According to the SCAQMD CEQA Handbook, any project that has the potential to expose the public to toxic air contaminants in excess of the following thresholds would be considered to have a significant air quality impact:

- If the Maximum Incremental Cancer Risk is 10 in one million or greater; or
- Toxic air contaminants from the proposed project would result in a Hazard Index increase of 1 or greater.

In order to determine if the proposed project may have a significant impact related to hazardous air pollutants (HAP), the Health Risk Assessment Guidance for analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis, (Diesel Analysis), prepared by SCAQMD, August 2003, recommends that if the proposed project is anticipated to create hazardous air pollutants through stationary sources or regular operations of diesel trucks on the project site, then the proximity of the nearest receptors to the source of the hazardous air pollutants and the toxicity of the hazardous air pollutants should be analyzed through a comprehensive facility-wide health risk assessment (HRA).

As determined in the *California Building Industry Association v. Bay Area Air Quality Management District* (2015) 62 Cal. 4th 369 (CBIA) case the California Supreme Court determined that CEQA does not generally require an impact analysis of the existing environmental conditions on the future residents of a proposed project and generally only requires an analysis of the proposed project's impact on the environment. However, the CBIA case also stated that when a proposed project brings development and people into an area already subject to specific hazards and the new development/people exacerbate the existing hazards, then CEQA requires an analysis of the hazards and the proposed project's effect in terms of increasing the risks related to those hazards. Regarding air quality hazards, TACs are defined as substances that may cause or contribute to an increase in deaths or in serious illness, or that may pose a present or potential hazard to human health. As such, if a proposed project would not exacerbate pre-existing hazards (e.g., TAC health risks) then an analysis of those hazards and the proposed project's effect on increasing those hazards is not required.

However, the project is an industrial truck storage project and will be a source of toxic air contaminants; therefore, an HRA was conducted.

**Table 1**
**TAC Concentration Levels and Associated Risks - Riverside-Rubidoux**

| TAC | Concentration[1] / Risk[2] | Year | | |
|---|---|---|---|---|
| | | 2017 | 2018 | 2019 |
| Acetaldehyde | Annual Average | 1.080 | 1.230 | ND |
| | Health Risk | 16 | 18 | ND |
| Benzene | Annual Average | 0.271 | 0.239 | ID |
| | Health Risk | 70 | 62 | ID |
| 1,3-Butadiene | Annual Average | 0.044 | 0.043 | ID |
| | Health Risk | 48 | 46 | ID |
| Carbon Tetrachloride | Annual Average | 0.090 | 0.073 | ID |
| | Health Risk | 69 | 56 | ID |
| Chromium, Hex | Annual Average | 6.7 | ID | ND |
| | Health Risk | ND | ND | ND |
| Para-Dichlorobenzene | Annual Average | ID | ID | ID |
| | Health Risk | ID | ID | ID |
| Formaldehyde | Annual Average | 3.350 | 4.210 | ND |
| | Health Risk | 70 | 88 | ND |
| Methylene Chloride | Annual Average | 12.300 | 9.590 | ID |
| | Health Risk | 122 | 95 | ID |
| Perchloroethylene | Annual Average | 0.013 | 0.011 | ID |
| | Health Risk | 2 | 1 | ID |
| Diesel PM | Annual Average | No monitoring data available | | |
| | Health Risk | | | |
| **Total Health Risk (without DPM)** | | **397** | **366** | **-** |

Notes:

ND = no data reported; ID = insufficient data

Source: http://www.arb.ca.gov/adam/toxics/toxics.html (for Riverside-Rubidoux-5888 Mission Boulevard Air Monitoring Station)

1. Concentrations for Hexavalent Chromium are expressed as ng/m3, and concentrations for Diesel PM are expressed as µg/m3. Concentrations for all other TACs are expressed as ppb.

2. Health Risk represents the number of excess cancer cases per million people based on a lifetime (30-year) exposure to the annual average concentration. Total Health Risk represents only those compounds listed in this table and only those with data for the year. There may be other significant compounds for which monitoring and/or health risk information is not available.

# 3. DIESEL EMISSIONS HEALTH RISK ASSESSMENT

The on-going operation of the proposed project would generate toxic air contaminant emissions from diesel truck emissions created by the on-going operations of the proposed project. According to SCAQMD methodology, health effects from carcinogenic air toxics are usually described in terms of individual cancer risk. "Individual Cancer Risk" is the likelihood that a person exposed to concentrations of toxic air contaminants over a 30-year lifetime will contract cancer, based on the use of revised Office of Environmental Health Hazard Assessment (OEHHA) risk-assessment methodology.[2]

A health risk assessment requires the completion and interaction of four general steps:

(1) Quantify project-generated TAC emissions.
(2) Identify nearby ground-level receptor locations that may be affected by the emissions (including any special sensitive receptor locations such as residences, schools, hospitals, convalescent homes, and daycare centers).
(3) Perform air dispersion modeling analyses to estimate ambient pollutant concentrations at each receptor location using project TAC emissions and representative meteorological data to define the transport and dispersion of those emissions in the atmosphere.
(4) Characterize and compare the calculated health risks with the applicable health risk significance thresholds.

### EMISSIONS INVENTORY DEVELOPMENT

Important issues that affect the dispersion modeling include the following: (1) Model Selection, (2) Source Treatment, (3) Meteorological Data, and (4) Receptor Grid. Each of these issues is addressed below.

*Emission Source Estimates – DPM for Motor Vehicles*

DPM emissions from the various sources were calculated using information derived from the project description, and mobile source emission factors from the CARB EMFAC2017 emissions factor model. Truck mix information was obtained from the *Cedar Avenue Trucking Storage (PROJ-2020-00035) Traffic Analysis* prepared by Urban Crossroads (October 28, 2020).

Four pieces of information are required to generate the mobile source emissions from the proposed project:

- Number of vehicle trips for each component of the proposed project;
- Types of vehicles that access the proposed project (passenger car vs. heavy-duty truck and gasoline vs. diesel);
- The allocation of the vehicle trips to each building that comprises the proposed project; and
- Estimate of the vehicle emission factors for estimating exhaust and idling emissions.

*Estimate of Vehicle Trips and Vehicle Types*

Per project proponents, other than employees, the project site is anticipated to attract mainly 4+-axle trucks. The Traffic Analysis showed the project is expected to generate approximately 716 (non-passenger car equivalents) vehicle trips per day. Of those vehicle trips, for the truck storage use 144 are automobile round

[2] In February 2015, the Office of Environmental Health Hazard Assessment updated their "Air Toxics Hot Spots Program, Risk Assessments Guidelines, Guidance Manual for Preparation of Health Risk Assessments; however, the updated OEHHA guidance states in the page footers "do not cite or quote." SCAQMD staff have incorporated the updates into their methodology for SCAQMD's Rules 1401, 1401.1, 1402, and 212, and have updated their HRA Guidance for permitting; however they are still in the process of updating the guidance for CEQA analyses (via working group sessions); however, to be conservative, the new OEHHA guidance was used to assess HRA impacts in this analysis. Per SCAQMD staff (personal communication with Dr. Jillian Wong 6-19-2015 and 12-22-15), updated SCAQMD HRA guidance will be forthcoming.

trips and 572 are 4+-axle truck round trips per day (non-passenger car equivalents). As stated in the Traffic Analysis, truck terminal rates based on acreage are not readily available in the Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Edition, 2017); therefore, the vehicle mix followed the *Wheeler Trucking Project Focused Traffic Memorandum* prepared by LSA (2017) with a mix of 20 percent cars and 80 percent 4-axle trucks for the truck storage use.

However, to be conservative, respond to comments from SCAQMD,[3] and ensure that TAC emissions from 2-axle and 3-axle trucks were considered in the analysis, the truck mix for project site was analyzed as: 486 4+-axle trucks (85 percent of the total 572 trucks), 69 3-axle trucks (12 percent of the total 572 trucks), and 17 2-axle trucks (3 percent of the total 572 trucks).

*Estimate of Emission Factors*

The DPM emission factors for the various vehicle types were derived from the CARB EMFAC2017 mobile source emission model. The emissions factors were derived for San Bernardino County. Third trimester exposure used opening year (2021) emissions factors, 2-year factors (for infant exposure) reflect years 2022 and 2023, 14-year average factors (for child exposure during years 2-16) reflect emissions during the first 14 years of operation (2024 to 2037), the second 14 years of exposure (years 2038-2051) were used for assessment of exposure during years 16 to 30.

Emissions factors were estimated to establish the emissions generated while the vehicles travel off-site, along travel links from the entrance to the parking areas, and while idling at the entrance to the facility, at the guard shack and in the aisles next to parking areas and the service area. All vehicles were assumed to travel on-site at a speed of 10 miles per hour. Off-site, the speeds along the roads were anticipated to average 35 miles per hour. Heavy-duty vehicles were assumed to idle for a maximum of 15 minutes per vehicle per day (5 minutes per location: at the entrance to the facility, at the guard shack, at the truck service area and throughout the parking areas), in keeping with the CARB Air Toxic Control Measure (ATCM), which regulates truck idling time (CARB 2005). The four different sets of emissions factors used in this assessment are detailed in Table 2. It should be noted that the DPM emissions on both the gram per mile and gram per idle hour bases decline beyond 2021 for all vehicle classes and in particular the heavy-heavy-duty truck class (the 4+ axle "big rig" trucks). This is due to the CARB emissions' requirements on heavy-duty trucks that call for either the replacement of older trucks with cleaner trucks or the installation of diesel particulate matter filters on the truck fleet.

*Emission Source Characterization*

Each of the emission source types described above also requires geometrical and emission release specifications for use in the air dispersion model. Table 3 provides a summary of the assumptions used to configure the various emission sources. The following definitions are used to characterize the emission source geometrical configurations referred to in Table 3:

- Point source: A single, identifiable, local source of emissions; it is approximated in the AERMOD air dispersion model as a mathematical point in the modeling region with a location and emission characteristics such as height of release, temperature, etc., for example, a truck idle location where emissions are sourced from the truck's exhaust stack while the vehicle is stationary.[4]

[3] SCAQMD Comment letter dated August 5, 2021

[4] Stack release height for idling of 11.21 feet based on the weighted average for the truck types and the exhaust height of 12.6 feet for HHDT trucks and 0.6 feet for MHDT and LHDT trucks (Exhaust stack height source: Guidance for Air Dispersion Modeling, San Joaquin Valley Air Pollution Control District (08/06 Rev 1.2), Page 76.

- Line source: A series of volume sources along a path, for example, vehicular traffic volumes along a roadway.[5]

Figure 3 provides the location of the project buildings, emission source locations, and the locations of the nearest sensitive receptors (single-family detached residential dwelling units located adjacent to the project's northern property line, 55 feet southwest of the project site's southern property line, 85 feet southeast of the project's southern property line, 235 feet northeast of the project site's northern property line, 385 feet west of the project site's western property line, and along Cedar Avenue, the mobile home park located 85 feet east of the project site's eastern property line, and the rehabilitation treatment facility located adjacent to the project site's southern property line). Receptors are shown as orange triangles. Receptors are shown as orange triangles and are labeled 1 through 3, 5 through 8, and 10 and 11 for residential receptors, 4 for the school receptor, and 9 for the medical facility receptor. The direction of on-site and off-site truck travel were obtained from the site plan and Traffic Analysis.

## Receptor Network

The assessment requires that a network of receptors be specified where the impacts can be computed at the various locations surrounding the project. Receptors were located at existing sensitive receptors surrounding the proposed project (as detailed above). In addition, the identified sensitive receptor locations were supplemented by the specification of a modeling grid that extended around the proposed project to identify other potential locations of impact. The locations of the receptors are shown as orange triangles on Figure 3.

## Dispersion Modeling

The next step in the assessment process utilizes the emissions inventory along with a mathematical air dispersion model and representative meteorological data to calculate impacts at the various receptor locations. The dispersion model used in this assessment is described below.

### Model Selection

The assessment of air quality and health risk impacts from pollutant emissions from this project applied the USEPA AERMOD Model, which is the air dispersion model accepted by the SCAQMD for performing air quality impact analyses. AERMOD predicts pollutant concentrations from point, area, volume, line, and flare sources with variable emissions in terrain from flat to complex with the inclusion of building downwash effects from buildings on pollutant dispersion. It captures the essential atmospheric physical processes and provides reasonable estimates over a wide range of meteorological conditions and modeling scenarios.

### General Model Assumptions

A summary of Emission Configurations is shown in Table 3. The basic options used in the dispersion modeling are summarized in Table 4.

As indicated in Table 4 the analysis takes into account the effects of building downwash on the dispersion of emissions from the various sources located on the project's property. Building downwash occurs when the aerodynamic turbulence, induced by nearby buildings, causes pollutants emitted from an elevated source to be mixed rapidly toward the ground (downwash), resulting in potentially higher ground-level concentrations than if the buildings were not present. The AERMOD dispersion model contains algorithms to account for building downwash effects. The required information includes the location of the emission source; the location of adjacent buildings; and the building geometry in terms of length, width, and height. For purposes of this analysis, the emission source and building locations were taken from the project site plan. The

[5] The release height of 3.5 meters (11.47 feet) was based on the haul road calculator function within AERMOD using the average truck vehicle height of 13.5 feet and average truck width of 8.5 feet.

proposed building geometries were estimated from the project plans, assuming a building height of 23 feet for the proposed office and service bay building and 12 feet for the guard shack.

Meteorological Data

Meteorological data (processed with the ADJ_U option) from the Air District's Fontana monitoring site was selected for this modeling application. Five full years of sequential meteorological data was collected at the site from January 1, 2011 to December 31, 2013 and January 1, 2015 to December 31, 2016 by the SCAQMD. The SCAQMD processed the data for input to the model. The data was obtained at SCAQMD's https://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod (see Figure 4).

## ESTIMATION OF HEALTH RISKS

Health risks from diesel particulate matter are twofold. First, diesel particulate matter is a carcinogen according to the State of California. Second, long-term chronic exposure to diesel particulate matter can cause health effects to the respiratory system. Each of these health risks is discussed below.

Cancer Risks

According to the *Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments*, released by the Office of Environmental Health Hazard Assessment (OEHHA) in February 2015 and formally adopted in March 2015, the residential inhalation dose for cancer risk assessment should be calculated using the following formula:

[Dose-air (mg/(Kg-day)]*Cancer Potency*[$1x10^{-6}$] = Potential Cancer Risk

Where:
Cancer Potency Factor = 1.1
Dose-inh = (C¬air * DBR * A * EF * ED *ASF*FAH* 10-6) / AT

Where:
Cair [Concentration in air (µg/m3)] = (Calculated by AERMOD Model)
DBR [Daily breathing rate (L/kg body weight – day)] = 261 for adults, 572 for children, and 1,090 for infants, and 361 for 3rd trimester per SCAQMD Permit Application Package "N" Table 4.1 D guidance.

A [Inhalation absorption factor] = 1
EF [Exposure frequency (days/year)] = 350
ED [Exposure duration (years)] = 30 for adults (for an individual who is an adult at opening year), 14 for children (from 2-16 years), 14 for adults (from 16-30 years), 2 for infants, and 1 for 3rd Trimester
ASF [Age sensitivity factor) = 10 for 3rd trimester to 2 years of age, 3 for 2 to 16 years of age, and 1 for 16 to 30 years of age
FAH [Fraction of time spent at home] = 1 for 3rd trimester to 2 years of age, 1 for 2 to 16 years of age, and 0.73 for 16 to 30 years of age
$10^6$ [Micrograms to milligrams conversion]
AT [Average time period over which exposure is averaged in days] = 25,550

The model run results are shown in Appendix B. Figure 5 illustrates the cancer risk to the most affected age-group, infants (0-2 years).

Table 5 show the cancer risk for the unborn child during the 3rd trimester, Table 6 shows the cancer risk to infants (0-2 years), Table 7 shows the cancer risk to children ages 2 to 16 years and Table 8 shows the cancer risk as that child becomes an adult (years 16-30).

The highest cancer risk corresponds to infant cancer risk 0-2 years (see Table 6), and is at receptor 7, with a maximum risk of 3.86 in one million. The highest cancer risk to the 3rd trimester 0.25 years (see Table 5) is also at receptor 7; with a maximum risk of 0.4 in one million. The highest child cancer risk 2-16 years (see Table 7) is at receptors 1 and 7; with a maximum risk of 2.51 in one million. The highest adult cancer risk 16-30 years (see Table 8) is also at receptors 1 and 7; with a maximum risk of 0.26 in one million. Therefore, no unborn babies, infants, children or adults are exposed to cancer risks in excess of 10 in a million.

The assessment of cancer-related health risk to sensitive receptors within the project vicinity is based on the following most-conservative scenario:

An unborn child in its 3rd trimester is potentially exposed to DPM emissions (via exposure of the mother) during the opening year. That child is born opening year and then remains at home for the entire first two years of life. From age 2 to 16, the child remains at home 100 percent of the time. From age 16 to 30, the child continues to live at home, growing into an adult that spends 73 percent of its time at home and lives there until age 30.

Based on the above, ultra-conservative assumptions, the 30.25-year, cumulative carcinogenic health risk (3rd trimester [-0.25 to 0 years] + infant [0-2 years] + child [2-16 years] + adult [16-30 years]) to an individual born during the opening year of the project and located in the project vicinity for the entire 30-year duration, is a maximum of 7.03 in a million at receptor location 7, as shown in Table 9. Therefore, as the residential cancer risk does not exceed 10 in a million, the on-going operations of the proposed project would result in a less than significant impact due to the cancer risk from diesel emissions created by the proposed project.

Non-Cancer Risks

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

HIDPM = CDPM/RELDPM

Where,

| | | |
|---|---|---|
| HIDPM | = | Hazard Index; an expression of the potential for non-cancer health effects. |
| CDPM | = | Annual average diesel particulate matter concentration in µg/m3. |
| RELDPM | = | Reference Exposure Level (REL) for diesel particulate matter; the diesel particulate matter concentration at which no adverse health effects are anticipated. |

The non-carcinogenic hazards to adult, child and infant receptors are also detailed in Tables 5 through 8 column (j). The RELDPM is 5 µg/m3. The Office of Environmental Health Hazard Assessment as protective for the respiratory system has established this concentration. Using the maximum DPM concentration from years 2021-2051, the resulting Hazard Index is:

HIDPM = 0.02952/5 = 0.0059

The criterion for significance is a Hazard Index increase of 1.0 or greater. Therefore, the on-going operations of the proposed project would result in a less than significant impact due to the non-cancer risk from diesel emissions created by the proposed project.

**Table 2**
**DPM Emissions Factors for the Proposed Project**

| Vehicle Class | 1-Year Average (Opening Year-2021) | | |
|---|---|---|---|
| | Idling (g/hr) | On-Site Travel (g/mi) | Off-Site Travel (g/mi) |
| Light Heavy Duty Truck 2 | 0.78639 | 0.05383 | 0.02026 |
| Medium Heavy Duty Truck | 0.24358 | 0.17489 | 0.06839 |
| Heavy Heavy Duty Truck | 0.02224 | 0.07840 | 0.03670 |

| Vehicle Class | 2-Year Average (2022-2023) | | |
|---|---|---|---|
| | Idling (g/hr) | On-Site Travel (g/mi) | Off-Site Travel (g/mi) |
| Light Heavy Duty Truck 2 | 0.78735 | 0.05065 | 0.01953 |
| Medium Heavy Duty Truck | 0.09549 | 0.03406 | 0.01910 |
| Heavy Heavy Duty Truck | 0.01380 | 0.02424 | 0.01325 |

| Vehicle Class | 14-Year Average (First 14 years of Operation - 2024-2037) | | |
|---|---|---|---|
| | Idling (g/hr) | On-Site Travel (g/mi) | Off-Site Travel (g/mi) |
| Light Heavy Duty Truck 2 | 0.79348 | 0.03822 | 0.01657 |
| Medium Heavy Duty Truck | 0.01881 | 0.00501 | 0.00387 |
| Heavy Heavy Duty Truck | 0.01113 | 0.01049 | 0.00853 |

| Vehicle Class | 14-Year Average (Second 14 years of Operation - 2038-2051) | | |
|---|---|---|---|
| | Idling (g/hr) | On-Site Travel (g/mi) | Off-Site Travel (g/mi) |
| Light Heavy Duty Truck 2 | 0.79386 | 0.02939 | 0.01440 |
| Medium Heavy Duty Truck | 0.00786 | 0.00437 | 0.00368 |
| Heavy Heavy Duty Truck | 0.01017 | 0.00959 | 0.00810 |

Source: EMFAC2017.

**Table 3**
**Summary of Emission Configurations**

| Emission Source Type | Geometric Configuration | Relevant Assumptions |
|---|---|---|
| Off-Site Diesel Truck Traffic | Line Sources | Stack release height: 11.47 feet |
| | | Vehicle speed: 35 mph |
| | | Length of the line source (along Cedar Avenue from Project Driveway toward Interstate 10 Freeway) |
| | | Vehicle types: Light heavy duty, medium heavy duty, and heavy-heavy-duty diesel trucks |
| | | Emission factor: CARB EMFAC2017 |
| On-Site Diesel Truck Traffic | Line Sources | Stack release height: 11.47 feet |
| | | Vehicle speed: 10 mph |
| | | Length of the line source (distance from the project driveway to truck parking spaces) |
| | | Vehicle types: Light heavy duty, medium heavy duty, and heavy-heavy-duty diesel trucks |
| | | Emission factor: CARB EMFAC2017 |
| On-Site Diesel Truck Idling | Point Sources located at various locations on-site. | Stack release height: 11.21 feet |
| | | Stack release characteristics |
| | | > Stack diameter: 0.1 meter (0.3 feet) |
| | | > Stack velocity: 51.9 mps (170 feet/sec) |
| | | > Stack temperature: 366 °k (200° F) |
| | | Idle time: 15 minutes per truck per day |
| | | Vehicle types: Light heavy duty, medium heavy duty, and heavy-heavy-duty diesel trucks |
| | | Emission factor: CARB EMFAC2017 |

**Table 4**
**General Modeling Assumptions - AERMOD Model**

| Feature | Option Selected |
|---|---|
| Terrain processing | AERMAP - NED GEOTIFF 30 m |
| Emission source configuration | See Table 3 |
| Regulatory dispersion options | Default |
| Land use | Urban |
| Coordinate system | UTM, Zone 11 north |
| Building downwash | Included in calculations |
| Receptor height | 0 meters above ground (per OEHHA methodology) |
| Meteorological data | SCAQMD Fontana Meteorological Data |

**Table 5**
**Carcinogenic Risks and Non-Carcinogenic 3rd Trimester Exposure Scenario (0.25-Year)**

| Receptor ID (a) | Maximum Concentration (ug/m3) (b) | Maximum Concentration (mg/m3) (c) | Weight Fraction (d) | Contaminant (e) | Carcinogenic Hazards CPF (mg/kg/day) (f) | Carcinogenic Hazards RISK (per million) (g) | Noncarcinogenic Hazards REL (ug/m3) (h) | Noncarcinogenic Hazards RfD (mg/kg/day) (i) | Noncarcinogenic Hazards Index (j) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.02775 | 2.8E-05 | 1.00E+00 | DPM | 1.1E+00 | 0.38 | 5.0E+00 | 1.4E-03 | 0.0056 |
| 2 | 0.02862 | 2.9E-05 | 1.00E+00 | DPM | 1.1E+00 | 0.39 | 5.0E+00 | 1.4E-03 | 0.0057 |
| 3 | 0.02296 | 2.3E-05 | 1.00E+00 | DPM | 1.1E+00 | 0.31 | 5.0E+00 | 1.4E-03 | 0.0046 |
| 4_Sch | 0.01613 | 1.6E-05 | 1.00E+00 | DPM | 1.1E+00 | 0.22 | 5.0E+00 | 1.4E-03 | 0.0032 |
| 5 | 0.00667 | 6.7E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.09 | 5.0E+00 | 1.4E-03 | 0.0013 |
| 6 | 0.01466 | 1.5E-05 | 1.00E+00 | DPM | 1.1E+00 | 0.20 | 5.0E+00 | 1.4E-03 | 0.0029 |
| 7 | 0.02952 | 3.0E-05 | 1.00E+00 | DPM | 1.1E+00 | 0.40 | 5.0E+00 | 1.4E-03 | 0.0059 |
| 8 | 0.01329 | 1.3E-05 | 1.00E+00 | DPM | 1.1E+00 | 0.18 | 5.0E+00 | 1.4E-03 | 0.0027 |
| 9_Med | 0.01426 | 1.4E-05 | 1.00E+00 | DPM | 1.1E+00 | 0.19 | 5.0E+00 | 1.4E-03 | 0.0029 |
| 10 | 0.00588 | 5.9E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.08 | 5.0E+00 | 1.4E-03 | 0.0012 |
| 11 | 0.00711 | 7.1E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.10 | 5.0E+00 | 1.4E-03 | 0.0014 |

Notes:

OEHHA 95th percentile Exposure factors used to calculate TAC intake:

| | |
|---|---|
| Exposure Frequency (days/year) | 350 |
| Exposure Duration (years) | 0.25 |
| Daily Breathing Rate | 361 |
| Age Sensitivity Factor | 10 |
| Fraction of Time At Home (FAH) | 1 |
| Averaging Time $_{(cancer)}$ (days) | 25550 |
| Averaging Time $_{(non\text{-}cancer)}$ (days) | 91.25 |

E= $10^{X}$, i.e. E-02 = $10^{-2}$

**Table 6**
**Carcinogenic Risks and Non-Carcinogenic Infant Exposure Scenario (2-Year)**

| Receptor ID (a) | Maximum Concentration (ug/m3) (b) | Maximum Concentration (mg/m3) (c) | Weight Fraction (d) | Contaminant (e) | Carcinogenic Hazards CPF (mg/kg/day) (f) | Carcinogenic Hazards RISK (per million) (g) | Noncarcinogenic Hazards REL (ug/m3) (h) | Noncarcinogenic Hazards RfD (mg/kg/day) (i) | Noncarcinogenic Hazards Index (j) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.01157 | 1.2E-05 | 1.00E+00 | DPM | 1.1E+00 | 3.80 | 5.0E+00 | 1.4E-03 | 0.0023 |
| 2 | 0.01097 | 1.1E-05 | 1.00E+00 | DPM | 1.1E+00 | 3.60 | 5.0E+00 | 1.4E-03 | 0.0022 |
| 3 | 0.00864 | 8.6E-06 | 1.00E+00 | DPM | 1.1E+00 | 2.84 | 5.0E+00 | 1.4E-03 | 0.0017 |
| 4_Sch | 0.00574 | 5.7E-06 | 1.00E+00 | DPM | 1.1E+00 | 1.89 | 5.0E+00 | 1.4E-03 | 0.0011 |
| 5 | 0.00248 | 2.5E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.81 | 5.0E+00 | 1.4E-03 | 0.0005 |
| 6 | 0.00583 | 5.8E-06 | 1.00E+00 | DPM | 1.1E+00 | 1.92 | 5.0E+00 | 1.4E-03 | 0.0012 |
| 7 | 0.01176 | 1.2E-05 | 1.00E+00 | DPM | 1.1E+00 | 3.86 | 5.0E+00 | 1.4E-03 | 0.0024 |
| 8 | 0.00558 | 5.6E-06 | 1.00E+00 | DPM | 1.1E+00 | 1.83 | 5.0E+00 | 1.4E-03 | 0.0011 |
| 9_Med | 0.00581 | 9.0E-05 | 1.00E+00 | DPM | 1.1E+00 | 1.91 | 5.0E+00 | 1.4E-03 | 0.0012 |
| 10 | 0.00241 | 9.0E-05 | 1.00E+00 | DPM | 1.1E+00 | 0.79 | 5.0E+00 | 1.4E-03 | 0.0005 |
| 11 | 0.00279 | 1.9E-04 | 1.00E+00 | DPM | 1.1E+00 | 0.92 | 5.0E+00 | 1.4E-03 | 0.0006 |

Notes:

OEHHA 95th percentile Exposure factors used to calculate TAC intake

| | |
|---|---|
| Exposure Frequency (days/year) | 350 |
| Exposure Duration (years) | 2 |
| Daily Breathing Rate | 1090 |
| Age Sensitivity Factor | 10 |
| Fraction of Time At Home (FAH) | 1 |
| Averaging Time $_{(cancer)}$ (days) | 25550 |
| Averaging Time $_{(non\text{-}cancer)}$ (days) | 730 |

E= $10^{X}$, i.e. E-02 = $10^{-2}$

**Table 7**
**Carcinogenic Risks and Non-Carcinogenic Child Exposure Scenario (2-16 Years)**

| Receptor ID (a) | Maximum Concentration (ug/m3) (b) | Maximum Concentration (mg/m3) (c) | Weight Fraction (d) | Contaminant (e) | Carcinogenic Hazards CPF (mg/kg/day) (f) | Carcinogenic Hazards RISK (per million) (g) | Noncarcinogenic Hazards REL (ug/m3) (h) | Noncarcinogenic Hazards RfD (mg/kg/day) (i) | Noncarcinogenic Hazards Index (j) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00694 | 6.9E-06 | 1.00E+00 | DPM | 1.1E+00 | 2.51 | 5.0E+00 | 1.4E-03 | 0.0014 |
| 2 | 0.00635 | 6.4E-06 | 1.00E+00 | DPM | 1.1E+00 | 2.30 | 5.0E+00 | 1.4E-03 | 0.0013 |
| 3 | 0.005 | 5.0E-06 | 1.00E+00 | DPM | 1.1E+00 | 1.81 | 5.0E+00 | 1.4E-03 | 0.0010 |
| 4_Sch | 0.00332 | 3.3E-06 | 1.00E+00 | DPM | 1.1E+00 | 1.20 | 5.0E+00 | 1.4E-03 | 0.0007 |
| 5 | 0.00144 | 1.4E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.52 | 5.0E+00 | 1.4E-03 | 0.0003 |
| 6 | 0.00345 | 3.5E-06 | 1.00E+00 | DPM | 1.1E+00 | 1.25 | 5.0E+00 | 1.4E-03 | 0.0007 |
| 7 | 0.00692 | 6.9E-06 | 1.00E+00 | DPM | 1.1E+00 | 2.51 | 5.0E+00 | 1.4E-03 | 0.0014 |
| 8 | 0.00337 | 3.4E-06 | 1.00E+00 | DPM | 1.1E+00 | 1.22 | 5.0E+00 | 1.4E-03 | 0.0007 |
| 9_Med | 0.00341 | 3.4E-06 | 1.00E+00 | DPM | 1.1E+00 | 1.23 | 5.0E+00 | 1.4E-03 | 0.0007 |
| 10 | 0.00143 | 1.4E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.52 | 5.0E+00 | 1.4E-03 | 0.0003 |
| 11 | 0.0016 | 1.6E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.58 | 5.0E+00 | 1.4E-03 | 0.0003 |

Notes:

OEHHA 95th percentile Exposure factors used to calculate TAC intake

| | |
|---|---|
| Exposure Frequency (days/year) | 350 |
| Exposure Duration (years) | 14 |
| Daily Breathing Rate | 572 |
| Age Sensitivity Factor | 3 |
| Fraction of Time At Home (FAH) | 1 |
| Averaging Time $_{(cancer)}$ (days) | 25550 |
| Averaging Time $_{(non\text{-}cancer)}$ (days) | 5110 |

E= $10^{X}$, i.e. E-02 = $10^{-2}$

**Table 8**
**Carcinogenic Risks and Non-Carcinogenic Hazards Adult Exposure Scenario (16-30 Years)**

| Receptor ID (a) | Maximum Concentration (ug/m3) (b) | Maximum Concentration (mg/m3) (c) | Weight Fraction (d) | Contaminant (e) | Carcinogenic Hazards CPF (mg/kg/day) (f) | Carcinogenic Hazards RISK (per million) (g) | Noncarcinogenic Hazards REL (ug/m3) (h) | Noncarcinogenic Hazards RfD (mg/kg/day) (i) | Noncarcinogenic Hazards Index (j) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00643 | 6.4E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.26 | 5.0E+00 | 1.4E-03 | 0.0013 |
| 2 | 0.00591 | 5.9E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.24 | 5.0E+00 | 1.4E-03 | 0.0012 |
| 3 | 0.00467 | 4.7E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.19 | 5.0E+00 | 1.4E-03 | 0.0009 |
| 4_Sch | 0.00314 | 3.1E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.13 | 5.0E+00 | 1.4E-03 | 0.0006 |
| 5 | 0.00135 | 1.4E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.05 | 5.0E+00 | 1.4E-03 | 0.0003 |
| 6 | 0.00322 | 3.2E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.13 | 5.0E+00 | 1.4E-03 | 0.0006 |
| 7 | 0.00644 | 6.4E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.26 | 5.0E+00 | 1.4E-03 | 0.0013 |
| 8 | 0.00313 | 3.1E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.13 | 5.0E+00 | 1.4E-03 | 0.0006 |
| 9_Med | 0.00316 | 3.2E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.13 | 5.0E+00 | 1.4E-03 | 0.0006 |
| 10 | 0.00132 | 1.3E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.05 | 5.0E+00 | 1.4E-03 | 0.0003 |
| 11 | 0.00148 | 1.5E-06 | 1.00E+00 | DPM | 1.1E+00 | 0.06 | 5.0E+00 | 1.4E-03 | 0.0003 |

Notes:

OEHHA 95th percentile Exposure factors used to calculate TAC intake

| | |
|---|---|
| Exposure Frequency (days/year) | 350 |
| Exposure Duration (years) | 14 |
| Daily Breathing Rate | 261 |
| Age Sensitivity Factor | 1 |
| Fraction of Time At Home (FAH) | 0.73 |
| Averaging Time $_{(cancer)}$ (days) | 25550 |
| Averaging Time $_{(non\text{-}cancer)}$ (days) | 5110 |

E= $10^{X}$, i.e. E-02 = $10^{-2}$

**Table 9**
**Cumulative Carcinogenic Risk 30.25-Year Exposure Scenario**

| Receptor ID | Cumulative RISK (per million) |
|---|---|
| 1 | 6.95 |
| 2 | 6.53 |
| 3 | 5.15 |
| 4_Sch | 3.43 |
| 5 | 1.48 |
| 6 | 3.49 |
| 7 | 7.03 |
| 8 | 3.36 |
| 9_Med | 3.46 |
| 10 | 1.44 |
| 11 | 1.65 |

N

Legend

Project Site Boundary
On/Off Site Truck Travel
Truck Idling Locations
Discrete Receptors
Cartesian Receptors

**Figure 3**
**AERMOD Model Source and Receptor Placement**

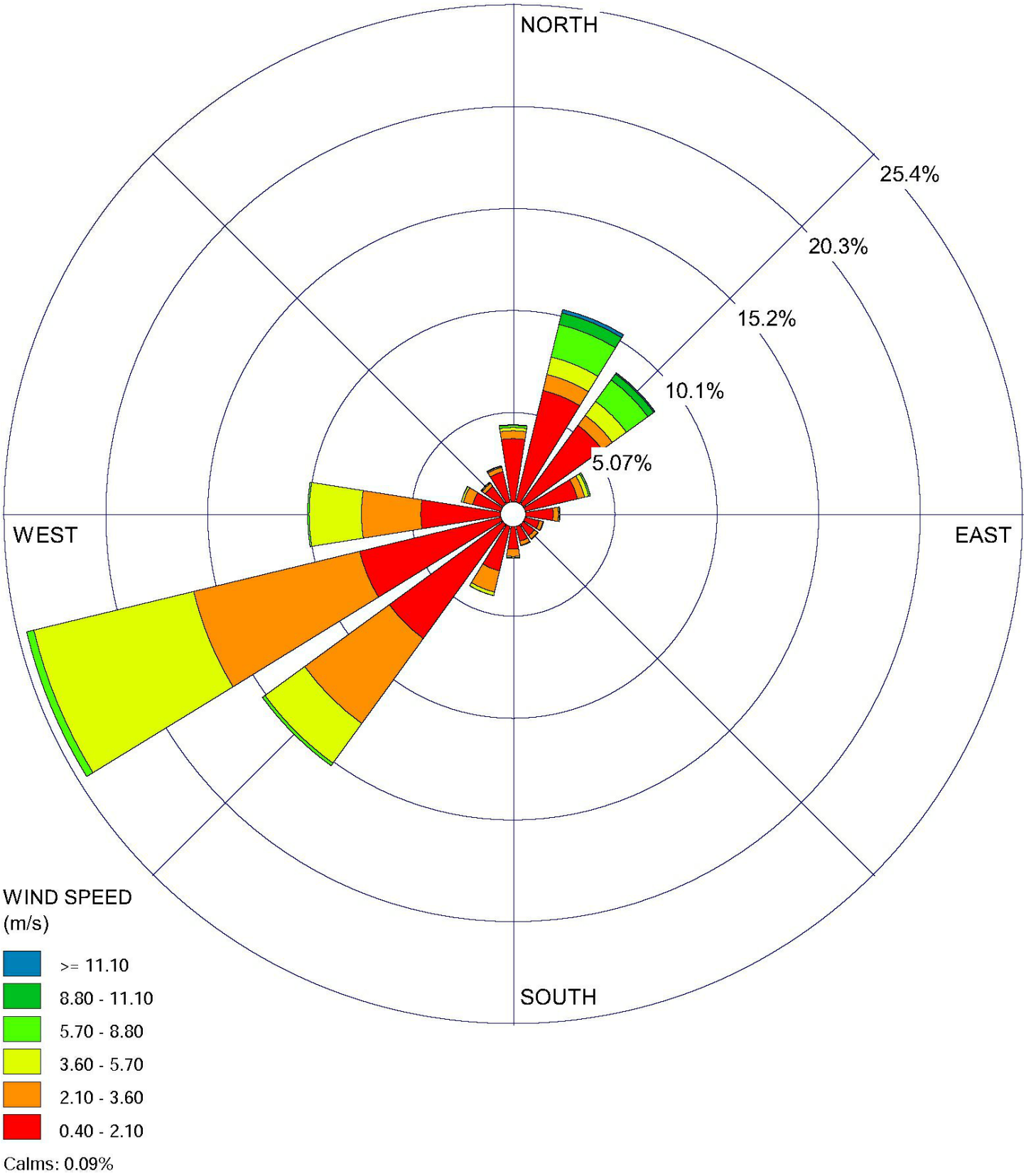
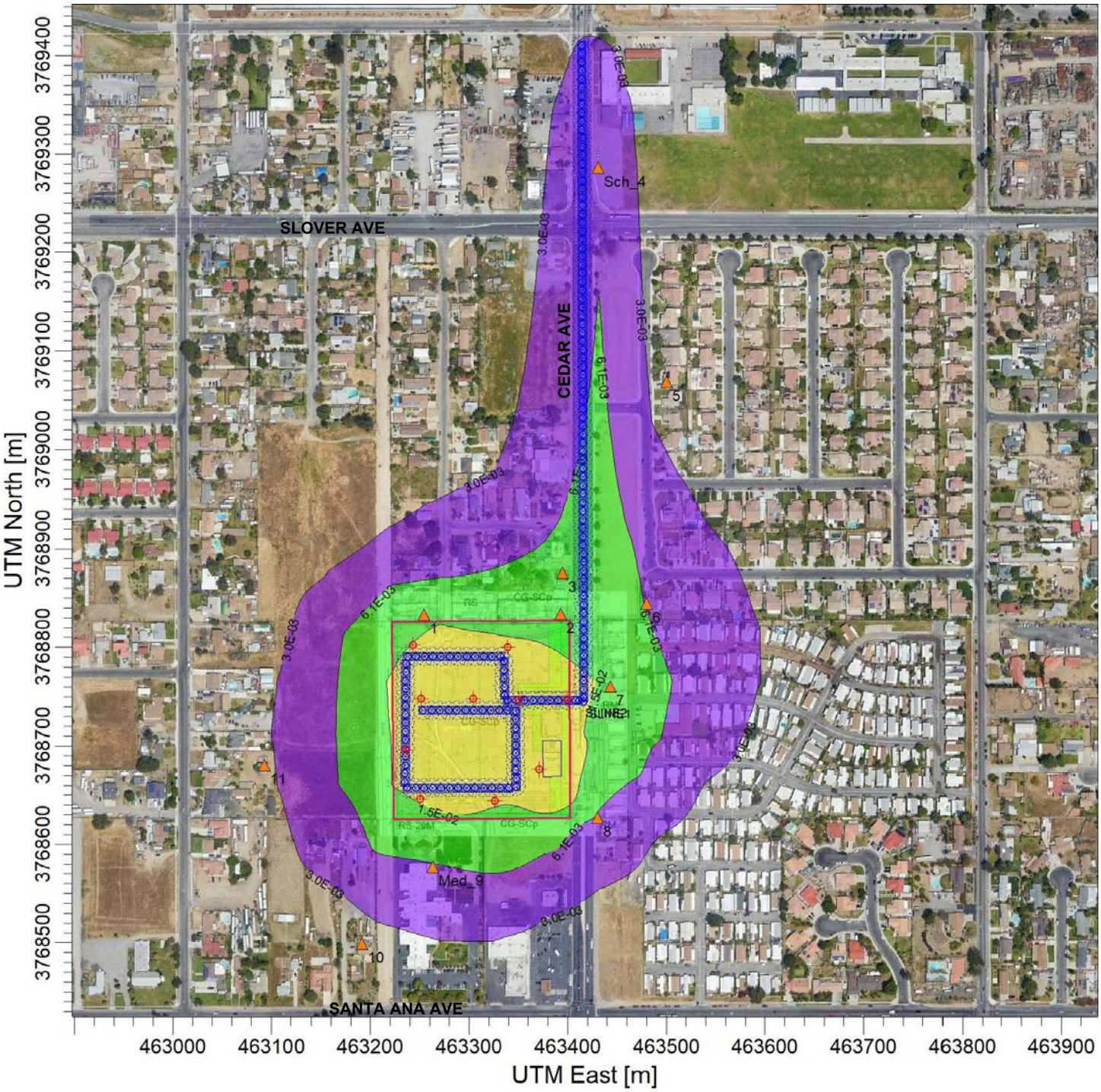



**Figure 4**
**Wind Rose, Fontana**




N

Legend

Cancer Risk to Infants 0-2 Years

- 10 in a million
- 5 in a million
- 2 in a million
- 1 in a million

**Figure 5**
**Modeled Study Area Highest Cancer Risk from Annual DPM Emissions**

# 4. MITIGATION MEASURES

### OPERATIONAL MEASURES

Health risk impacts are less than significant. No operational mitigation is required.

# 5. REFERENCES


**California Air Pollution Control Officers Association**

2009 Health Risk Assessments for Proposed Land Use Projects

**California Air Resources Board**

2008 Resolution 08-43

2008 Airborne Toxic Control Measure for in-use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, Section 2477 of Division 3, Chapter 9, Title 13, California Code of Regulations

2008 ARB Recommended Interim Risk Management Policy for Inhalation-Based Residential Cancer Risk – Frequently Asked Questions

2013 Almanac of Emissions and Air Quality.
Source: https://www.arb.ca.gov/aqd/almanac/almanac13/almanac13.htm

**Office of Environmental Health Hazard Assessment**

2015 Air Toxics Hot Spots Program Risk Assessment Guidelines

**San Joaquin Valley Air Pollution Control District**

2006 Guidance for Air Dispersion Modeling. August. Page 76.
(http://www.valleyair.org/busind/pto/tox_resources/Modeling%20Guidance.pdf)

**South Coast Air Quality Management District**

2003 Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis

2015 Final MATES-IV Multiple Air Toxics Exposure Study in the South Coast Air Basin. May.

**Urban Crossroads**

2020 Cedar Avenue Trucking Storage (PROJ-2020-00035) Traffic Analysis. October 28.

**U.S. Geological Survey**

2011 Reported Historic Asbestos Mines, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California

# APPENDICES

Appendix A  Glossary
Appendix B  AERMOD Model Printout

# APPENDIX A

# GLOSSARY

| | |
|---|---|
| AQMP | Air Quality Management Plan |
| BACT | Best Available Control Technologies |
| CAAQS | California Ambient Air Quality Standards |
| CalEPA | California Environmental Protection Agency |
| CARB | California Air Resources Board |
| CCAA | California Clean Air Act |
| CCAR | California Climate Action Registry |
| CEQA | California Environmental Quality Act |
| CFCs | Chlorofluorocarbons |
| $CH_4$ | Methane |
| CNG | Compressed natural gas |
| CO | Carbon monoxide |
| $CO_2$ | Carbon dioxide |
| $CO_2e$ | Carbon dioxide equivalent |
| DPM | East Kern Air Pollution Control District |
| EKAPCD | Diesel particulate matter |
| EPA | U.S. Environmental Protection Agency |
| GHG | Greenhouse gas |
| GWP | Global warming potential |
| HIDPM | Hazard Index Diesel Particulate Matter |
| HFCs | Hydrofluorocarbons |
| IPCC | International Panel on Climate Change |
| LCFS | Low Carbon Fuel Standard |
| LST | Localized Significant Thresholds |
| $MTCO_2e$ | Metric tons of carbon dioxide equivalent |
| $MMTCO_2e$ | Million metric tons of carbon dioxide equivalent |
| MPO | Metropolitan Planning Organization |
| NAAQS | National Ambient Air Quality Standards |
| NOx | Nitrogen Oxides |
| $NO_2$ | Nitrogen dioxide |
| $N_2O$ | Nitrous oxide |
| OEHHA | Office of Environmental Health Hazard Assessment |
| $O_3$ | Ozone |
| OPR | Governor's Office of Planning and Research |
| PFCs | Perfluorocarbons |
| PM | Particle matter |
| PM10 | Particles that are less than 10 micrometers in diameter |
| PM2.5 | Particles that are less than 2.5 micrometers in diameter |
| PMI | Point of maximum impact |
| PPM | Parts per million |
| PPB | Parts per billion |
| $SF_6$ | Sulfur hexafluoride |
| SIP | State Implementation Plan |
| SJVAPCD | San Joaquin Valley Air Pollution Control District |
| SOx | Sulfur Oxides |
| TAC | Toxic air contaminants |
| VOC | Volatile organic compounds |

# APPENDIX B

# AERMOD MODEL PRINTOUT

**Emission Assumptions** **DPM** Emissions
**19394 Bloomington Truck Storage Project**

**Facility Operations**

Buildout year: 2021

**Emission Factors**

1) Onsite Vehicle Emissions

a) Truck

(1) EMFAC2017

(a) Annual Meteorology

Temperature: 66 degF

Relative Humidity: 60%

(b) Calculations for SB County

(c) Truck Mix

4+ axle heavy-heavy duty diesel trucks (HHDT)

4 axle diesel trucks (MHDT)

2 axle diesel trucks (LHDT2)

(d) Onsite Truck Travel Speed: 10 mph

(e) Off-site Truck Travel Speed: 35 mph

(f) Idle speed: 0 mph

(g) Truck Idle time: 15 minutes per truck per day

2) Other Parameters

(a) Width of Plume: 8.59 meters (based on single lane of traffic and average vehicle width of 8.5 feet)

(b) Truck Operational Schedule 24 hours/day

(c) Height of Plume: 7 meters (based on average truck height of 13.5 feet)

| Total | Truck Type | Truck Stop | # of trucks | Release Height for idling (ft) | | | |
|---|---|---|---|---|---|---|---|
| 572 trucks | 2 axle | 3.0% | 17 | 0.6 | 0.02 | | |
| | 3 axle | 12.0% | 69 | 4 | 0.48 | | |
| | 4 axle | 85.0% | 486 | 12.6 | 10.71 | | |
| | | | | | 11.21 ft | (3.236 meters) | weighted avg |

## 19394 Bloomington Truck Storage Project

**Emission:** DPM

## Processes Modeled

**Build-out:** 2021

Onsite delivery traffic
Truck idling
Offsite delivery traffic

## Facilities in Operation

| Location | Truck type | Daily trucks | % |
|---|---|---|---|
| Project Site | HHDT | 486 | 85.0 |
| Project Site | MHDT | 69 | 12.1 |
| Project Site | LHDT2 | 17 | 3.0 |
| | | | 100.0 |
| **Total** | | **572** | |

**Delivery Schedule:**

24 **hrs/day, 52 weeks/year**

## Emission Factors 1 Year (2021)

| Vehicle Class | Onsite Exhaust (g/mi) | Offsite Exhaust (g/mi) | Idle (g/hr) |
|---|---|---|---|
| HHDT | 0.07840 | 0.03670 | 0.02224 |
| MHDT | 0.17489 | 0.06839 | 0.24358 |
| LHDT2 | 0.05383 | 0.02026 | 0.78639 |

## Onsite Roadway Links Modeled

| Link | Truck Type | Emission Factor (g/mi) | Trips per day (in and out) | Length (m) | Length (mi) | Daily Emissions Over the Link (g/day) | Emissions Over the Link (g/sec) | Emissions Over Link (lb/hr) | Daily Emissions (lbs/day) | Annual Avg Emissions Over Link (tons/yr) | Total Daily Emissions for all Vehicles (g/sec) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| From Project Driveway to Truck Spaces | HHDT | 0.07840 | 486 | 647.2 | 0.40 | 1.53E+01 | 1.77E-04 | 1.21E+02 | 3.37E-02 | 6.16E-03 | | |
| From Project Driveway to Truck Spaces | MHDT | 0.17489 | 69 | 647.2 | 0.40 | 4.85E+00 | 5.62E-05 | 3.85E+01 | 1.07E-02 | 1.95E-03 | **2.38E-04** | 100% of trucks |
| From Project Driveway to Truck Spaces | LHDT2 | 0.05383 | 17 | 647.2 | 0.40 | 3.68E-01 | 4.26E-06 | 2.92E+00 | 8.10E-04 | 1.48E-04 | | |

## Truck Idling

Idle time 15 minutes

| Building/Location | Truck Type | Emission Factor (g/idle-hour) | Idling Time (min) | Daily Trucks | Total Emissions (g/day) | Max Hourly Emissions (g/sec) | Max Hourly Emissions (lb/hr) | Total Daily Emissions (lbs/day) | Total Emissions (tons/yr) | Total Emissions (tons/yr) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| At parking areas & service bay | HHDT | 0.02224 | 15 | 486 | 2.70 | 3.13E-05 | 2.48E-04 | 5.95E-03 | 1.09E-03 | | | |
| At parking areas & service bay | MHDT | 0.24358 | 15 | 69 | 4.20 | 4.86E-05 | 3.86E-04 | 9.25E-03 | 1.69E-03 | | 1.19E-04 | |
| At parking areas & service bay | LHDT2 | 0.78639 | 15 | 17 | 3.34 | 3.87E-05 | 3.07E-04 | 7.36E-03 | 1.34E-03 | | **1.19E-05** | per idling location |
| | | | | | | | | | | | | (10 total) |

## Offsite Roadway Links Modeled

| Link | Truck Type | Emission Factor (g/mi) | Trips per day | Length (m) | Length (mi) | Daily Emissions Over the Link (g/day) | Emissions Over the Link (g/sec) | Max Hourly Emissions Over Link (lb/hr) | Daily Emissions (lbs/day) | Annual Avg Emissions Over Link (tons/yr) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cedar Ave from Project Driveway to I-10 Freeway | HHDT | 0.03670 | 486 | 673.5 | 0.42 | 7.46E+00 | 8.64E-05 | 5.92E+01 | 1.64E-02 | 3.00E-03 | 100% of trucks | |
| Cedar Ave from Project Driveway to I-10 Freeway | MHDT | 0.06839 | 69 | 673.5 | 0.42 | 1.97E+00 | 2.29E-05 | 1.57E+01 | 4.35E-03 | 7.94E-04 | **1.11E-04** | |
| Cedar Ave from Project Driveway to I-10 Freeway | LHDT2 | 0.02026 | 17 | 673.5 | 0.42 | 1.44E-01 | 1.67E-06 | 1.14E+00 | 3.17E-04 | 5.79E-05 | | |

## 19394 Bloomington Truck Storage Project

**Emission:** DPM

## Processes Modeled

**Build-out:** 2021

Onsite delivery traffic
Truck idling
Offsite delivery traffic

## Facilities in Operation

| Location | Truck type | Daily trucks |
|---|---|---|
| Project Site | HHDT | 486 |
| Project Site | MHDT | 69 |
| Project Site | LHDT2 | 17 |
| **Total** | | **572** |

**Delivery Schedule:**

24 **hrs/day, 52weeks/year**

## Emission Factors 2 Year (2022-23)

| Vehicle Class | Onsite Exhaust (g/mi) | Offsite Exhaust (g/mi) | Idle (g/hr) |
|---|---|---|---|
| HHDT | 0.02424 | 0.01325 | 0.01380 |
| MHDT | 0.03406 | 0.01910 | 0.09549 |
| LHDT2 | 0.05065 | 0.01953 | 0.78735 |

## Onsite Roadway Links Modeled

| Link | Truck Type | Emission Factor (g/mi) | Trips per day (in and out) | Length (m) | Length (mi) | Daily Emissions Over the Link (g/day) | Emissions Over the Link (g/sec) | Emissions Over Link (lb/hr) | Daily Emissions (lbs/day) | Annual Avg Emissions Over Link (tons/yr) | Total Daily Emissions for all Vehicles (g/sec) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| From Project Driveway to Truck Spaces | HHDT | 0.02424 | 486 | 647.2 | 0.40 | 4.74E+00 | 5.48E-05 | 3.76E+01 | 1.04E-02 | 1.90E-03 | | |
| From Project Driveway to Truck Spaces | MHDT | 0.03406 | 69 | 647.2 | 0.40 | 9.45E-01 | 1.09E-05 | 7.49E+00 | 2.08E-03 | 3.80E-04 | **6.98E-05** | 100% of trucks |
| From Project Driveway to Truck Spaces | LHDT2 | 0.05065 | 17 | 647.2 | 0.40 | 3.46E-01 | 4.01E-06 | 2.75E+00 | 7.63E-04 | 1.39E-04 | | |

## Truck Idling

Idle time 15 minutes

| Building/Location | Truck Type | Emission Factor (g/idle-hour) | Idling Time (min) | Daily Trucks | Total Emissions (g/day) | Max Hourly Emissions (g/sec) | Max Hourly Emissions (lb/hr) | Total Daily Emissions (lbs/day) | Total Emissions (tons/yr) | Total Emissions (tons/yr) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| At parking areas & service bay | HHDT | 0.01380 | 15 | 486 | 1.68 | 1.94E-05 | 1.54E-04 | 3.69E-03 | 6.74E-04 | | | |
| At parking areas & service bay | MHDT | 0.09549 | 15 | 69 | 1.65 | 1.91E-05 | 1.51E-04 | 3.63E-03 | 6.62E-04 | | 7.72E-05 | |
| At parking areas & service bay | LHDT2 | 0.78735 | 15 | 17 | 3.35 | 3.87E-05 | 3.07E-04 | 7.37E-03 | 1.35E-03 | | **7.72E-06** | per idling location (10 total) |

## Offsite Roadway Links Modeled

| Link | Truck Type | Emission Factor (g/mi) | Trips per day | Length (m) | Length (mi) | Daily Emissions Over the Link (g/day) | Emissions Over the Link (g/sec) | Max Hourly Emissions Over Link (lb/hr) | Daily Emissions (lbs/day) | Annual Avg Emissions Over Link (tons/yr) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cedar Ave from Project Driveway to I-10 Freeway | HHDT | 0.01325 | 486 | 673.5 | 0.42 | 2.69E+00 | 3.12E-05 | 2.14E+01 | 5.93E-03 | 1.08E-03 | 100% of trucks | |
| Cedar Ave from Project Driveway to I-10 Freeway | MHDT | 0.01910 | 69 | 673.5 | 0.42 | 5.51E-01 | 6.38E-06 | 4.37E+00 | 1.21E-03 | 2.22E-04 | **3.92E-05** | |
| Cedar Ave from Project Driveway to I-10 Freeway | LHDT2 | 0.01953 | 17 | 673.5 | 0.42 | 1.39E-01 | 1.61E-06 | 1.10E+00 | 3.06E-04 | 5.58E-05 | | |

## 19394 Bloomington Truck Storage Project

**Emission:** DPM

## Processes Modeled

**Build-out:** 2021

Onsite delivery traffic
Truck idling
Offsite delivery traffic

## Facilities in Operation

| Location | Truck type | Daily trucks |
|---|---|---|
| Project Site | HHDT | 486 |
| Project Site | MHDT | 69 |
| Project Site | LHDT2 | 17 |
| **Total** | | **572** |

**Delivery Schedule:**

24 **hrs/day, 52weeks/year**

## Emission Factors 14 Year 2024-2037

| Vehicle Class | Onsite Exhaust (g/mi) | Offsite Exhaust (g/mi) | Idle (g/hr) |
|---|---|---|---|
| HHDT | 0.01049 | 0.00853 | 0.01113 |
| MHDT | 0.00501 | 0.00387 | 0.01881 |
| LHDT2 | 0.03822 | 0.01657 | 0.79348 |

## Onsite Roadway Links Modeled

| Link | Truck Type | Emission Factor (g/mi) | Trips per day (in and out) | Length (m) | Length (mi) | Daily Emissions Over the Link (g/day) | Emissions Over the Link (g/sec) | Emissions Over Link (lb/hr) | Daily Emissions (lbs/day) | Annual Avg Emissions Over Link (tons/yr) | Total Daily Emissions for all Vehicles (g/sec) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| From Project Driveway to Truck Spaces | HHDT | 0.01049 | 486 | 647.2 | 0.40 | 2.05E+00 | 2.37E-05 | 1.63E+01 | 4.51E-03 | 8.24E-04 | | |
| From Project Driveway to Truck Spaces | MHDT | 0.00501 | 69 | 647.2 | 0.40 | 1.39E-01 | 1.61E-06 | 1.10E+00 | 3.06E-04 | 5.59E-05 | **2.84E-05** | 100% of trucks |
| From Project Driveway to Truck Spaces | LHDT2 | 0.03822 | 17 | 647.2 | 0.40 | 2.61E-01 | 3.02E-06 | 2.07E+00 | 5.75E-04 | 1.05E-04 | | |

## Truck Idling

Idle time 15 minutes

| Building/Location | Truck Type | Emission Factor (g/idle-hour) | Idling Time (min) | Daily Trucks | Total Emissions (g/day) | Max Hourly Emissions (g/sec) | Max Hourly Emissions (lb/hr) | Total Daily Emissions (lbs/day) | Total Emissions (tons/yr) | Total Emissions (tons/yr) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| At parking areas & service bay | HHDT | 0.01113 | 15 | 486 | 1.35 | 1.57E-05 | 1.24E-04 | 2.98E-03 | 5.44E-04 | | | |
| At parking areas & service bay | MHDT | 0.01881 | 15 | 69 | 0.32 | 3.76E-06 | 2.98E-05 | 7.15E-04 | 1.30E-04 | | 5.84E-05 | |
| At parking areas & service bay | LHDT2 | 0.79348 | 15 | 17 | 3.37 | 3.90E-05 | 3.09E-04 | 7.43E-03 | 1.36E-03 | | **5.84E-06** | per idling location (10 total) |

## Offsite Roadway Links Modeled

| Link | Truck Type | Emission Factor (g/mi) | Trips per day | Length (m) | Length (mi) | Daily Emissions Over the Link (g/day) | Emissions Over the Link (g/sec) | Max Hourly Emissions Over Link (lb/hr) | Daily Emissions (lbs/day) | Annual Avg Emissions Over Link (tons/yr) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cedar Ave from Project Driveway to I-10 Freeway | HHDT | 0.00853 | 486 | 673.5 | 0.42 | 1.73E+00 | 2.01E-05 | 1.38E+01 | 3.82E-03 | 6.97E-04 | 100% of trucks | |
| Cedar Ave from Project Driveway to I-10 Freeway | MHDT | 0.00387 | 69 | 673.5 | 0.42 | 1.12E-01 | 1.29E-06 | 8.86E-01 | 2.46E-04 | 4.49E-05 | **2.27E-05** | |
| Cedar Ave from Project Driveway to I-10 Freeway | LHDT2 | 0.01657 | 17 | 673.5 | 0.42 | 1.18E-01 | 1.36E-06 | 9.35E-01 | 2.60E-04 | 4.74E-05 | | |

## 19394 Bloomington Truck Storage Project

**Emission:** DPM

## Processes Modeled

**Build-out:** 2021

Onsite delivery traffic
Truck idling
Offsite delivery traffic

## Facilities in Operation

| Location | Truck type | Daily trucks |
|---|---|---|
| Project Site | HHDT | 486 |
| Project Site | MHDT | 69 |
| Project Site | LHDT2 | 17 |
| **Total** | | **572** |

**Delivery Schedule:**

24 **hrs/day, 52weeks/year**

## Emission Factors 14 Year 2038-2051

| Vehicle Class | Onsite Exhaust (g/mi) | Offsite Exhaust (g/mi) | Idle (g/hr) |
|---|---|---|---|
| HHDT | 0.00959 | 0.00810 | 0.01017 |
| MHDT | 0.00437 | 0.00368 | 0.00786 |
| LHDT2 | 0.02939 | 0.01440 | 0.79386 |

## Onsite Roadway Links Modeled

| Link | Truck Type | Emission Factor (g/mi) | Trips per day (in and out) | Length (m) | Length (mi) | Daily Emissions Over the Link (g/day) | Emissions Over the Link (g/sec) | Emissions Over Link (lb/hr) | Daily Emissions (lbs/day) | Annual Avg Emissions Over Link (tons/yr) | Total Daily Emissions for all Vehicles (g/sec) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| From Project Driveway to Truck Spaces | HHDT | 0.00959 | 486 | 647.2 | 0.40 | 1.87E+00 | 2.17E-05 | 1.49E+01 | 4.13E-03 | 7.53E-04 | | |
| From Project Driveway to Truck Spaces | MHDT | 0.00437 | 69 | 647.2 | 0.40 | 1.21E-01 | 1.40E-06 | 9.61E-01 | 2.67E-04 | 4.87E-05 | **2.54E-05** | 100% of trucks |
| From Project Driveway to Truck Spaces | LHDT2 | 0.02939 | 17 | 647.2 | 0.40 | 2.01E-01 | 2.32E-06 | 1.59E+00 | 4.42E-04 | 8.07E-05 | | |

## Truck Idling

Idle time 15 minutes

| Building/Location | Truck Type | Emission Factor (g/idle-hour) | Idling Time (min) | Daily Trucks | Total Emissions (g/day) | Max Hourly Emissions (g/sec) | Max Hourly Emissions (lb/hr) | Total Daily Emissions (lbs/day) | Total Emissions (tons/yr) | Total Emissions (tons/yr) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| At parking areas & service bay | HHDT | 0.01017 | 15 | 486 | 1.24 | 1.43E-05 | 1.13E-04 | 2.72E-03 | 4.97E-04 | | | |
| At parking areas & service bay | MHDT | 0.00786 | 15 | 69 | 0.14 | 1.57E-06 | 1.24E-05 | 2.99E-04 | 5.45E-05 | | 5.49E-05 | |
| At parking areas & service bay | LHDT2 | 0.79386 | 15 | 17 | 3.37 | 3.90E-05 | 3.10E-04 | 7.43E-03 | 1.36E-03 | | **5.49E-06** | per idling location (10 total) |

## Offsite Roadway Links Modeled

| Link | Truck Type | Emission Factor (g/mi) | Trips per day | Length (m) | Length (mi) | Daily Emissions Over the Link (g/day) | Emissions Over the Link (g/sec) | Max Hourly Emissions Over Link (lb/hr) | Daily Emissions (lbs/day) | Annual Avg Emissions Over Link (tons/yr) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cedar Ave from Project Driveway to I-10 Freeway | HHDT | 0.00810 | 486 | 673.5 | 0.42 | 1.65E+00 | 1.91E-05 | 1.31E+01 | 3.63E-03 | 6.62E-04 | 100% of trucks | |
| Cedar Ave from Project Driveway to I-10 Freeway | MHDT | 0.00368 | 69 | 673.5 | 0.42 | 1.06E-01 | 1.23E-06 | 8.42E-01 | 2.34E-04 | 4.27E-05 | **2.15E-05** | |
| Cedar Ave from Project Driveway to I-10 Freeway | LHDT2 | 0.01440 | 17 | 673.5 | 0.42 | 1.02E-01 | 1.19E-06 | 8.12E-01 | 2.26E-04 | 4.12E-05 | | |

```
** Lakes Environmental AERMOD MPI
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** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.1
** Lakes Environmental Software Inc.
** Date: 10/15/2021
** File: C:\Lakes\AERMOD View\19394 Bloomington Truck Storage OY rev-1\19394 Bloomington Truck Storage OY rev-1.ADI
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**
****************************************
** AERMOD Control Pathway
****************************************
**
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CO STARTING
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   TITLETWO DPM Concentrations Opening Year Rev-1
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2035210 County_of_San_Bernardino
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "19394 Bloomington Truck Storage OY rev-1.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
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** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
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** LINE VOLUME Source ID = SLINE1
** DESCRSRC Cedar Avenue, Project Driveway toward I-10 Freeway
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.000111
** Elevated
** Vertical Dimension = 7.00
** SZINIT = 1.63
** Nodes = 2
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** 463414.315, 3769418.372, 329.50, 3.50, 4.00
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   LOCATION L0006694     VOLUME   463415.169 3769118.619 325.57
   LOCATION L0006695     VOLUME   463415.145 3769127.210 325.67
   LOCATION L0006696     VOLUME   463415.121 3769135.801 325.77
   LOCATION L0006697     VOLUME   463415.096 3769144.392 325.87
   LOCATION L0006698     VOLUME   463415.072 3769152.983 325.96
   LOCATION L0006699     VOLUME   463415.047 3769161.573 326.06
   LOCATION L0006700     VOLUME   463415.023 3769170.164 326.16
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   LOCATION L0006701     VOLUME   463414.998 3769178.755 326.28
   LOCATION L0006702     VOLUME   463414.974 3769187.346 326.41
   LOCATION L0006703     VOLUME   463414.949 3769195.936 326.53
   LOCATION L0006704     VOLUME   463414.925 3769204.527 326.67
   LOCATION L0006705     VOLUME   463414.900 3769213.118 326.80
   LOCATION L0006706     VOLUME   463414.876 3769221.709 326.94
   LOCATION L0006707     VOLUME   463414.851 3769230.299 327.08
   LOCATION L0006708     VOLUME   463414.827 3769238.890 327.23
   LOCATION L0006709     VOLUME   463414.802 3769247.481 327.39
   LOCATION L0006710     VOLUME   463414.778 3769256.072 327.56
   LOCATION L0006711     VOLUME   463414.753 3769264.662 327.72
   LOCATION L0006712     VOLUME   463414.729 3769273.253 327.84
   LOCATION L0006713     VOLUME   463414.704 3769281.844 327.97
   LOCATION L0006714     VOLUME   463414.680 3769290.435 328.09
   LOCATION L0006715     VOLUME   463414.655 3769299.026 328.21
   LOCATION L0006716     VOLUME   463414.631 3769307.616 328.31
   LOCATION L0006717     VOLUME   463414.606 3769316.207 328.42
   LOCATION L0006718     VOLUME   463414.582 3769324.798 328.53
   LOCATION L0006719     VOLUME   463414.557 3769333.389 328.63
   LOCATION L0006720     VOLUME   463414.533 3769341.979 328.74
   LOCATION L0006721     VOLUME   463414.508 3769350.570 328.84
   LOCATION L0006722     VOLUME   463414.484 3769359.161 328.94
   LOCATION L0006723     VOLUME   463414.459 3769367.752 329.02
   LOCATION L0006724     VOLUME   463414.435 3769376.342 329.11
   LOCATION L0006725     VOLUME   463414.410 3769384.933 329.19
   LOCATION L0006726     VOLUME   463414.386 3769393.524 329.27
   LOCATION L0006727     VOLUME   463414.361 3769402.115 329.36
   LOCATION L0006728     VOLUME   463414.337 3769410.705 329.44
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC On-Site Truck Travel from Project Driveway to Truck Spaces
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.000238
** Elevated
** Building Height = 7.01
** SZINIT = 3.26
** Nodes = 10
** 463412.175, 3768746.397, 321.09, 3.50, 4.00
** 463336.045, 3768745.986, 319.18, 3.50, 4.00
** 463335.445, 3768790.874, 319.76, 3.50, 4.00
** 463235.736, 3768790.651, 320.21, 3.50, 4.00
** 463234.933, 3768657.116, 318.52, 3.50, 4.00
** 463347.785, 3768657.317, 318.15, 3.50, 4.00
** 463347.040, 3768733.020, 319.20, 3.50, 4.00
** 463347.117, 3768736.467, 319.22, 3.50, 4.00
** 463345.547, 3768736.284, 319.21, 3.50, 4.00
** 463246.178, 3768736.032, 319.50, 3.50, 4.00
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   LOCATION L0006729     VOLUME   463407.880 3768746.374 321.21
   LOCATION L0006730     VOLUME   463399.289 3768746.327 321.03
   LOCATION L0006731     VOLUME   463390.699 3768746.281 320.83
   LOCATION L0006732     VOLUME   463382.108 3768746.234 320.63
   LOCATION L0006733     VOLUME   463373.517 3768746.188 320.22
   LOCATION L0006734     VOLUME   463364.927 3768746.142 319.79
   LOCATION L0006735     VOLUME   463356.336 3768746.095 319.36
   LOCATION L0006736     VOLUME   463347.745 3768746.049 319.29
   LOCATION L0006737     VOLUME   463339.155 3768746.002 319.25
   LOCATION L0006738     VOLUME   463335.972 3768751.466 319.30
   LOCATION L0006739     VOLUME   463335.857 3768760.056 319.38
   LOCATION L0006740     VOLUME   463335.742 3768768.646 319.47
   LOCATION L0006741     VOLUME   463335.627 3768777.236 319.56
   LOCATION L0006742     VOLUME   463335.512 3768785.826 319.67
   LOCATION L0006743     VOLUME   463331.902 3768790.866 319.72
   LOCATION L0006744     VOLUME   463323.312 3768790.847 319.77
   LOCATION L0006745     VOLUME   463314.721 3768790.828 319.84
   LOCATION L0006746     VOLUME   463306.130 3768790.808 319.91
   LOCATION L0006747     VOLUME   463297.539 3768790.789 319.99
   LOCATION L0006748     VOLUME   463288.948 3768790.770 320.08
   LOCATION L0006749     VOLUME   463280.358 3768790.751 320.16
   LOCATION L0006750     VOLUME   463271.767 3768790.732 320.17
   LOCATION L0006751     VOLUME   463263.176 3768790.713 320.17
   LOCATION L0006752     VOLUME   463254.585 3768790.693 320.16
   LOCATION L0006753     VOLUME   463245.995 3768790.674 320.16
   LOCATION L0006754     VOLUME   463237.404 3768790.655 320.17
   LOCATION L0006755     VOLUME   463235.694 3768783.728 320.08
   LOCATION L0006756     VOLUME   463235.643 3768775.138 319.96
   LOCATION L0006757     VOLUME   463235.591 3768766.547 319.85
   LOCATION L0006758     VOLUME   463235.539 3768757.956 319.74
   LOCATION L0006759     VOLUME   463235.488 3768749.366 319.63
   LOCATION L0006760     VOLUME   463235.436 3768740.775 319.52
   LOCATION L0006761     VOLUME   463235.384 3768732.184 319.40
   LOCATION L0006762     VOLUME   463235.333 3768723.594 319.28
   LOCATION L0006763     VOLUME   463235.281 3768715.003 319.16
   LOCATION L0006764     VOLUME   463235.229 3768706.412 319.04
   LOCATION L0006765     VOLUME   463235.178 3768697.822 318.93
   LOCATION L0006766     VOLUME   463235.126 3768689.231 318.82
   LOCATION L0006767     VOLUME   463235.074 3768680.641 318.70
   LOCATION L0006768     VOLUME   463235.023 3768672.050 318.61
   LOCATION L0006769     VOLUME   463234.971 3768663.459 318.52
   LOCATION L0006770     VOLUME   463237.181 3768657.120 318.43
   LOCATION L0006771     VOLUME   463245.771 3768657.136 318.33
   LOCATION L0006772     VOLUME   463254.362 3768657.151 318.27
   LOCATION L0006773     VOLUME   463262.953 3768657.166 318.31
   LOCATION L0006774     VOLUME   463271.544 3768657.181 318.35
   LOCATION L0006775     VOLUME   463280.134 3768657.197 318.38
   LOCATION L0006776     VOLUME   463288.725 3768657.212 318.34
   LOCATION L0006777     VOLUME   463297.316 3768657.227 318.30
   LOCATION L0006778     VOLUME   463305.907 3768657.243 318.25
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   LOCATION L0006779     VOLUME   463314.498 3768657.258 318.21
   LOCATION L0006780     VOLUME   463323.088 3768657.273 318.16
   LOCATION L0006781     VOLUME   463331.679 3768657.288 318.14
   LOCATION L0006782     VOLUME   463340.270 3768657.304 318.17
   LOCATION L0006783     VOLUME   463347.775 3768658.393 318.22
   LOCATION L0006784     VOLUME   463347.690 3768666.983 318.32
   LOCATION L0006785     VOLUME   463347.605 3768675.573 318.42
   LOCATION L0006786     VOLUME   463347.521 3768684.164 318.53
   LOCATION L0006787     VOLUME   463347.436 3768692.754 318.65
   LOCATION L0006788     VOLUME   463347.352 3768701.345 318.76
   LOCATION L0006789     VOLUME   463347.267 3768709.935 318.88
   LOCATION L0006790     VOLUME   463347.183 3768718.525 318.98
   LOCATION L0006791     VOLUME   463347.098 3768727.116 319.08
   LOCATION L0006792     VOLUME   463347.100 3768735.706 319.17
   LOCATION L0006793     VOLUME   463339.298 3768736.268 319.15
   LOCATION L0006794     VOLUME   463330.708 3768736.246 319.11
   LOCATION L0006795     VOLUME   463322.117 3768736.225 319.16
   LOCATION L0006796     VOLUME   463313.526 3768736.203 319.23
   LOCATION L0006797     VOLUME   463304.935 3768736.181 319.29
   LOCATION L0006798     VOLUME   463296.345 3768736.159 319.34
   LOCATION L0006799     VOLUME   463287.754 3768736.138 319.40
   LOCATION L0006800     VOLUME   463279.163 3768736.116 319.46
   LOCATION L0006801     VOLUME   463270.572 3768736.094 319.45
   LOCATION L0006802     VOLUME   463261.981 3768736.072 319.44
   LOCATION L0006803     VOLUME   463253.391 3768736.051 319.43
** End of LINE VOLUME Source ID = SLINE2
   LOCATION STCK1        POINT      463399.472  3768747.191      321.050
** DESCRSRC Idle Location 1
   LOCATION STCK2        POINT      463350.489  3768746.620      319.300
** DESCRSRC Idle Location 2
   LOCATION STCK3        POINT      463338.837  3768800.271      319.840
** DESCRSRC Idle Location 3
   LOCATION STCK4        POINT      463242.784  3768802.580      320.320
** DESCRSRC Idle Location 4
   LOCATION STCK5        POINT      463251.406  3768747.984      319.600
** DESCRSRC Idle Location 5
   LOCATION STCK6        POINT      463304.041  3768747.736      319.430
** DESCRSRC Idle Location 6
   LOCATION STCK7        POINT      463235.874  3768695.968      318.900
** DESCRSRC Idle Location 7
   LOCATION STCK8        POINT      463250.054  3768645.973      318.150
** DESCRSRC Idle Location8
   LOCATION STCK9        POINT      463326.257  3768644.016      318.010
** DESCRSRC Idle Location 9 - aisle
   LOCATION STCK10       POINT      463370.825  3768676.187      319.030
** DESCRSRC Idle Location 10 - service bay
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0006651     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006652     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006653     0.000001423      3.50      4.00      1.63
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SRCPARAM L0006654     0.000001423      3.50      4.00      1.63
SRCPARAM L0006655     0.000001423      3.50      4.00      1.63
SRCPARAM L0006656     0.000001423      3.50      4.00      1.63
SRCPARAM L0006657     0.000001423      3.50      4.00      1.63
SRCPARAM L0006658     0.000001423      3.50      4.00      1.63
SRCPARAM L0006659     0.000001423      3.50      4.00      1.63
SRCPARAM L0006660     0.000001423      3.50      4.00      1.63
SRCPARAM L0006661     0.000001423      3.50      4.00      1.63
SRCPARAM L0006662     0.000001423      3.50      4.00      1.63
SRCPARAM L0006663     0.000001423      3.50      4.00      1.63
SRCPARAM L0006664     0.000001423      3.50      4.00      1.63
SRCPARAM L0006665     0.000001423      3.50      4.00      1.63
SRCPARAM L0006666     0.000001423      3.50      4.00      1.63
SRCPARAM L0006667     0.000001423      3.50      4.00      1.63
SRCPARAM L0006668     0.000001423      3.50      4.00      1.63
SRCPARAM L0006669     0.000001423      3.50      4.00      1.63
SRCPARAM L0006670     0.000001423      3.50      4.00      1.63
SRCPARAM L0006671     0.000001423      3.50      4.00      1.63
SRCPARAM L0006672     0.000001423      3.50      4.00      1.63
SRCPARAM L0006673     0.000001423      3.50      4.00      1.63
SRCPARAM L0006674     0.000001423      3.50      4.00      1.63
SRCPARAM L0006675     0.000001423      3.50      4.00      1.63
SRCPARAM L0006676     0.000001423      3.50      4.00      1.63
SRCPARAM L0006677     0.000001423      3.50      4.00      1.63
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SRCPARAM L0006679     0.000001423      3.50      4.00      1.63
SRCPARAM L0006680     0.000001423      3.50      4.00      1.63
SRCPARAM L0006681     0.000001423      3.50      4.00      1.63
SRCPARAM L0006682     0.000001423      3.50      4.00      1.63
SRCPARAM L0006683     0.000001423      3.50      4.00      1.63
SRCPARAM L0006684     0.000001423      3.50      4.00      1.63
SRCPARAM L0006685     0.000001423      3.50      4.00      1.63
SRCPARAM L0006686     0.000001423      3.50      4.00      1.63
SRCPARAM L0006687     0.000001423      3.50      4.00      1.63
SRCPARAM L0006688     0.000001423      3.50      4.00      1.63
SRCPARAM L0006689     0.000001423      3.50      4.00      1.63
SRCPARAM L0006690     0.000001423      3.50      4.00      1.63
SRCPARAM L0006691     0.000001423      3.50      4.00      1.63
SRCPARAM L0006692     0.000001423      3.50      4.00      1.63
SRCPARAM L0006693     0.000001423      3.50      4.00      1.63
SRCPARAM L0006694     0.000001423      3.50      4.00      1.63
SRCPARAM L0006695     0.000001423      3.50      4.00      1.63
SRCPARAM L0006696     0.000001423      3.50      4.00      1.63
SRCPARAM L0006697     0.000001423      3.50      4.00      1.63
SRCPARAM L0006698     0.000001423      3.50      4.00      1.63
SRCPARAM L0006699     0.000001423      3.50      4.00      1.63
SRCPARAM L0006700     0.000001423      3.50      4.00      1.63
SRCPARAM L0006701     0.000001423      3.50      4.00      1.63
SRCPARAM L0006702     0.000001423      3.50      4.00      1.63
SRCPARAM L0006703     0.000001423      3.50      4.00      1.63
SRCPARAM L0006704     0.000001423      3.50      4.00      1.63
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   SRCPARAM L0006705     0.000001423      3.50      4.00      1.63
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   SRCPARAM L0006708     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006709     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006710     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006711     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006712     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006713     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006714     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006715     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006716     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006717     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006718     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006719     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006720     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006721     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006722     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006723     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006724     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006725     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006726     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006727     0.000001423      3.50      4.00      1.63
   SRCPARAM L0006728     0.000001423      3.50      4.00      1.63
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** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0006729     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006730     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006731     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006732     0.000003173      3.50      4.00      3.26
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   SRCPARAM L0006734     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006735     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006736     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006737     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006738     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006739     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006740     0.000003173      3.50      4.00      3.26
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   SRCPARAM L0006742     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006743     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006744     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006745     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006746     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006747     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006748     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006749     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006750     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006751     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006752     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006753     0.000003173      3.50      4.00      3.26
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   SRCPARAM L0006754     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006755     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006756     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006757     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006758     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006759     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006760     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006761     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006762     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006763     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006764     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006765     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006766     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006767     0.000003173      3.50      4.00      3.26
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   SRCPARAM L0006774     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006775     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006776     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006777     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006778     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006779     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006780     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006781     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006782     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006783     0.000003173      3.50      4.00      3.26
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   SRCPARAM L0006788     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006789     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006790     0.000003173      3.50      4.00      3.26
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   SRCPARAM L0006793     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006794     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006795     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006796     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006797     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006798     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006799     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006800     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006801     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006802     0.000003173      3.50      4.00      3.26
   SRCPARAM L0006803     0.000003173      3.50      4.00      3.26
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   SRCPARAM STCK1        0.0000119     3.417   366.000  51.71000     0.100
   SRCPARAM STCK2        0.0000119     3.417   366.000   0.00100     0.100
   SRCPARAM STCK3        0.0000119     3.417   366.000  51.71000     0.100
   SRCPARAM STCK4        0.0000119     3.417   366.000   0.00100     0.100
   SRCPARAM STCK5        0.0000119     3.417   366.000  51.71000     0.100
   SRCPARAM STCK6        0.0000119     3.417   366.000   0.00100     0.100
   SRCPARAM STCK7        0.0000119     3.417   366.000  51.71000     0.100
   SRCPARAM STCK8        0.0000119     3.417   366.000   0.00100     0.100
   SRCPARAM STCK9        0.0000119     3.417   366.000  51.71000     0.100
   SRCPARAM STCK10       0.0000119     3.417   366.000   0.00100     0.100

** Building Downwash **
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK2            0.00     3.66     3.66     3.66     3.66     3.66
   BUILDHGT STCK2            3.66     3.66     3.66     0.00     0.00     0.00
   BUILDHGT STCK2            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK2            0.00     3.66     3.66     3.66     3.66     3.66
   BUILDHGT STCK2            3.66     3.66     3.66     0.00     0.00     0.00
   BUILDHGT STCK2            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK6            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK6            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK6            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK6            0.00     0.00     0.00     0.00     0.00     0.00
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| | | | | | | |
|---|---|---|---|---|---|---|
| BUILDHGT STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 0.00 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK2 | 0.00 | 3.50 | 3.79 | 3.96 | 4.01 | 3.94 |
| BUILDWID STCK2 | 3.75 | 3.45 | 3.04 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK2 | 0.00 | 3.50 | 3.79 | 3.96 | 4.01 | 3.94 |
| BUILDWID STCK2 | 3.75 | 3.45 | 3.04 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | |
|---|---|---|---|---|---|---|
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK10 | 24.52 | 29.81 | 34.20 | 37.54 | 39.75 | 40.74 |
| BUILDWID STCK10 | 40.50 | 39.03 | 36.75 | 39.34 | 40.73 | 40.89 |
| BUILDWID STCK10 | 39.80 | 37.50 | 34.07 | 29.60 | 24.23 | 0.00 |
| BUILDWID STCK10 | 24.52 | 29.81 | 34.20 | 37.54 | 39.75 | 40.74 |
| BUILDWID STCK10 | 40.50 | 39.03 | 36.75 | 39.34 | 40.73 | 40.89 |
| BUILDWID STCK10 | 39.80 | 37.50 | 34.07 | 29.60 | 24.23 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK2 | 0.00 | 3.72 | 3.89 | 3.94 | 3.88 | 3.69 |
| BUILDLEN STCK2 | 3.40 | 3.00 | 2.72 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK2 | 0.00 | 3.72 | 3.89 | 3.94 | 3.88 | 3.69 |
| BUILDLEN STCK2 | 3.40 | 3.00 | 2.72 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|
| BUILDLEN | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK10 | 37.27 | 39.16 | 35.62 | 27.86 | 23.46 | 20.80 |
| BUILDLEN | STCK10 | 19.21 | 18.37 | 18.12 | 18.43 | 19.36 | 21.05 |
| BUILDLEN | STCK10 | 23.86 | 28.54 | 36.89 | 38.78 | 37.10 | 0.00 |
| BUILDLEN | STCK10 | 37.27 | 39.16 | 35.62 | 27.86 | 23.46 | 20.80 |
| BUILDLEN | STCK10 | 19.21 | 18.37 | 18.12 | 18.43 | 19.36 | 21.05 |
| BUILDLEN | STCK10 | 23.86 | 28.54 | 36.89 | 38.78 | 37.10 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK2 | 0.00 | 2.40 | 2.77 | 3.06 | 3.26 | 3.36 |
| XBADJ | STCK2 | 3.36 | 3.25 | 2.84 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK2 | 0.00 | -6.11 | -6.66 | -7.01 | -7.14 | -7.06 |
| XBADJ | STCK2 | -6.76 | -6.25 | -5.56 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK10 | -5.41 | -4.58 | -1.49 | 3.21 | 5.70 | 6.80 |
| XBADJ | STCK10 | 6.84 | 6.01 | 4.23 | 1.97 | -0.95 | -4.51 |
| XBADJ | STCK10 | -8.81 | -14.15 | -21.32 | -25.17 | -27.07 | 0.00 |
| XBADJ | STCK10 | -31.86 | -34.58 | -34.12 | -31.06 | -29.16 | -27.60 |
| XBADJ | STCK10 | -26.05 | -24.38 | -22.36 | -20.40 | -18.41 | -16.54 |
| XBADJ | STCK10 | -15.05 | -14.39 | -15.57 | -13.60 | -10.03 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK2 | 0.00 | -2.89 | -2.11 | -1.28 | -0.40 | 0.49 |
| YBADJ | STCK2 | 1.36 | 2.19 | 2.96 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK2 | 0.00 | 2.89 | 2.11 | 1.28 | 0.40 | -0.49 |
| YBADJ | STCK2 | -1.36 | -2.19 | -2.96 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK10 | -11.18 | -8.73 | -6.02 | -3.12 | -0.12 | 2.87 |
| YBADJ | STCK10 | 5.78 | 8.52 | 11.06 | 13.23 | 15.00 | 16.31 |

```
   YBADJ    STCK10          17.13    17.43    17.20    16.45    15.19     0.00
   YBADJ    STCK10          11.18     8.73     6.02     3.12     0.12    -2.87
   YBADJ    STCK10          -5.78    -8.52   -11.06   -13.23   -15.00   -16.31
   YBADJ    STCK10         -17.13   -17.43   -17.20   -16.45   -15.19     0.00

   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "19394 Bloomington Truck Storage OY rev-1.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE "E:\New MET data\FONT_V9_ADJU\FONT_v9.SFC"
   PROFFILE "E:\New MET data\FONT_V9_ADJU\FONT_v9.PFL"
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "19394 BLOOMINGTON TRUCK STORAGE OY REV-1.AD\PE00GALL.PLT" 31
   SUMMFILE "19394 Bloomington Truck Storage OY rev-1.sum"
OU FINISHED


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            7 Warning Message(s)
 A Total of            0 Informational Message(s)
```

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


   ********   WARNING MESSAGES   ********
SO W320     408        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     410        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     412        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     414        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     416        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
ME W186     795       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     795       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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


*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                              ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations Opening Year Rev-1                        ***        11:24:13
                                                                                                              PAGE   1
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for   163 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m

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

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

```
**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of:  DPM

**Model Calculates PERIOD Averages Only

**This Run Includes:    163 Source(s);       1 Source Group(s); and     452 Receptor(s)

               with:     10 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:    153 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


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

**The AERMET Input Meteorological Data Version Date:  16216

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

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

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   367.00 ;  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:   19394 Bloomington Truck Storage OY rev-1.err
**File for Summary of Results:   19394 Bloomington Truck Storage OY rev-1.sum

*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                    ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations Opening Year Rev-1                             ***        11:24:13
                                                                                                                     PAGE   2
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** POINT SOURCE DATA ***
```

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | STACK HEIGHT (METERS) | STACK TEMP. (DEG.K) | STACK EXIT VEL. (M/SEC) | STACK DIAMETER (METERS) | BLDG EXISTS | URBAN SOURCE | CAP/ HOR | EMIS RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STCK1 | 0 | 0.11900E-04 | 463399.5 | 3768747.2 | 321.1 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK2 | 0 | 0.11900E-04 | 463350.5 | 3768746.6 | 319.3 | 3.42 | 366.00 | 0.00 | 0.10 | YES | YES | NO | |
| STCK3 | 0 | 0.11900E-04 | 463338.8 | 3768800.3 | 319.8 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK4 | 0 | 0.11900E-04 | 463242.8 | 3768802.6 | 320.3 | 3.42 | 366.00 | 0.00 | 0.10 | NO | YES | NO | |
| STCK5 | 0 | 0.11900E-04 | 463251.4 | 3768748.0 | 319.6 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK6 | 0 | 0.11900E-04 | 463304.0 | 3768747.7 | 319.4 | 3.42 | 366.00 | 0.00 | 0.10 | NO | YES | NO | |
| STCK7 | 0 | 0.11900E-04 | 463235.9 | 3768696.0 | 318.9 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK8 | 0 | 0.11900E-04 | 463250.1 | 3768646.0 | 318.2 | 3.42 | 366.00 | 0.00 | 0.10 | NO | YES | NO | |
| STCK9 | 0 | 0.11900E-04 | 463326.3 | 3768644.0 | 318.0 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK10 | 0 | 0.11900E-04 | 463370.8 | 3768676.2 | 319.0 | 3.42 | 366.00 | 0.00 | 0.10 | YES | YES | NO | |



*** 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| L0006651 | 0 | 0.14230E-05 | 463416.2 | 3768749.2 | 321.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0006652 | 0 | 0.14230E-05 | 463416.2 | 3768757.8 | 321.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0006653 | 0 | 0.14230E-05 | 463416.2 | 3768766.4 | 321.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0006654 | 0 | 0.14230E-05 | 463416.1 | 3768775.0 | 321.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0006655 | 0 | 0.14230E-05 | 463416.1 | 3768783.6 | 321.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0006656 | 0 | 0.14230E-05 | 463416.1 | 3768792.2 | 321.9 | 3.50 | 4.00 | 1.63 | YES | |
| L0006657 | 0 | 0.14230E-05 | 463416.1 | 3768800.8 | 322.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0006658 | 0 | 0.14230E-05 | 463416.1 | 3768809.4 | 322.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0006659 | 0 | 0.14230E-05 | 463416.0 | 3768817.9 | 322.2 | 3.50 | 4.00 | 1.63 | YES | |
| L0006660 | 0 | 0.14230E-05 | 463416.0 | 3768826.5 | 322.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0006661 | 0 | 0.14230E-05 | 463416.0 | 3768835.1 | 322.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0006662 | 0 | 0.14230E-05 | 463416.0 | 3768843.7 | 322.6 | 3.50 | 4.00 | 1.63 | YES | |
| L0006663 | 0 | 0.14230E-05 | 463415.9 | 3768852.3 | 322.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0006664 | 0 | 0.14230E-05 | 463415.9 | 3768860.9 | 322.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0006665 | 0 | 0.14230E-05 | 463415.9 | 3768869.5 | 323.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0006666 | 0 | 0.14230E-05 | 463415.9 | 3768878.1 | 323.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0006667 | 0 | 0.14230E-05 | 463415.8 | 3768886.7 | 323.2 | 3.50 | 4.00 | 1.63 | YES | |
| L0006668 | 0 | 0.14230E-05 | 463415.8 | 3768895.3 | 323.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0006669 | 0 | 0.14230E-05 | 463415.8 | 3768903.8 | 323.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0006670 | 0 | 0.14230E-05 | 463415.8 | 3768912.4 | 323.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0006671 | 0 | 0.14230E-05 | 463415.7 | 3768921.0 | 323.6 | 3.50 | 4.00 | 1.63 | YES | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| L0006672 | 0 | 0.14230E-05 | 463415.7 | 3768929.6 | 323.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0006673 | 0 | 0.14230E-05 | 463415.7 | 3768938.2 | 323.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0006674 | 0 | 0.14230E-05 | 463415.7 | 3768946.8 | 323.9 | 3.50 | 4.00 | 1.63 | YES | |
| L0006675 | 0 | 0.14230E-05 | 463415.6 | 3768955.4 | 324.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0006676 | 0 | 0.14230E-05 | 463415.6 | 3768964.0 | 324.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0006677 | 0 | 0.14230E-05 | 463415.6 | 3768972.6 | 324.2 | 3.50 | 4.00 | 1.63 | YES | |
| L0006678 | 0 | 0.14230E-05 | 463415.6 | 3768981.2 | 324.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0006679 | 0 | 0.14230E-05 | 463415.5 | 3768989.8 | 324.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0006680 | 0 | 0.14230E-05 | 463415.5 | 3768998.3 | 324.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0006681 | 0 | 0.14230E-05 | 463415.5 | 3769006.9 | 324.6 | 3.50 | 4.00 | 1.63 | YES | |
| L0006682 | 0 | 0.14230E-05 | 463415.5 | 3769015.5 | 324.6 | 3.50 | 4.00 | 1.63 | YES | |
| L0006683 | 0 | 0.14230E-05 | 463415.4 | 3769024.1 | 324.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0006684 | 0 | 0.14230E-05 | 463415.4 | 3769032.7 | 324.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0006685 | 0 | 0.14230E-05 | 463415.4 | 3769041.3 | 324.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0006686 | 0 | 0.14230E-05 | 463415.4 | 3769049.9 | 324.9 | 3.50 | 4.00 | 1.63 | YES | |
| L0006687 | 0 | 0.14230E-05 | 463415.3 | 3769058.5 | 325.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0006688 | 0 | 0.14230E-05 | 463415.3 | 3769067.1 | 325.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0006689 | 0 | 0.14230E-05 | 463415.3 | 3769075.7 | 325.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0006690 | 0 | 0.14230E-05 | 463415.3 | 3769084.3 | 325.2 | 3.50 | 4.00 | 1.63 | YES | |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| L0006691 | 0 | 0.14230E-05 | 463415.2 | 3769092.8 | 325.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0006692 | 0 | 0.14230E-05 | 463415.2 | 3769101.4 | 325.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0006693 | 0 | 0.14230E-05 | 463415.2 | 3769110.0 | 325.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0006694 | 0 | 0.14230E-05 | 463415.2 | 3769118.6 | 325.6 | 3.50 | 4.00 | 1.63 | YES | |
| L0006695 | 0 | 0.14230E-05 | 463415.1 | 3769127.2 | 325.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0006696 | 0 | 0.14230E-05 | 463415.1 | 3769135.8 | 325.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0006697 | 0 | 0.14230E-05 | 463415.1 | 3769144.4 | 325.9 | 3.50 | 4.00 | 1.63 | YES | |
| L0006698 | 0 | 0.14230E-05 | 463415.1 | 3769153.0 | 326.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0006699 | 0 | 0.14230E-05 | 463415.0 | 3769161.6 | 326.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0006700 | 0 | 0.14230E-05 | 463415.0 | 3769170.2 | 326.2 | 3.50 | 4.00 | 1.63 | YES | |
| L0006701 | 0 | 0.14230E-05 | 463415.0 | 3769178.8 | 326.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0006702 | 0 | 0.14230E-05 | 463415.0 | 3769187.3 | 326.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0006703 | 0 | 0.14230E-05 | 463414.9 | 3769195.9 | 326.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0006704 | 0 | 0.14230E-05 | 463414.9 | 3769204.5 | 326.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0006705 | 0 | 0.14230E-05 | 463414.9 | 3769213.1 | 326.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0006706 | 0 | 0.14230E-05 | 463414.9 | 3769221.7 | 326.9 | 3.50 | 4.00 | 1.63 | YES | |
| L0006707 | 0 | 0.14230E-05 | 463414.9 | 3769230.3 | 327.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0006708 | 0 | 0.14230E-05 | 463414.8 | 3769238.9 | 327.2 | 3.50 | 4.00 | 1.63 | YES | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| L0006709 | 0 | 0.14230E-05 | 463414.8 | 3769247.5 | 327.4 | 3.50 | 4.00 | 1.63 | YES |
| L0006710 | 0 | 0.14230E-05 | 463414.8 | 3769256.1 | 327.6 | 3.50 | 4.00 | 1.63 | YES |
| L0006711 | 0 | 0.14230E-05 | 463414.8 | 3769264.7 | 327.7 | 3.50 | 4.00 | 1.63 | YES |
| L0006712 | 0 | 0.14230E-05 | 463414.7 | 3769273.3 | 327.8 | 3.50 | 4.00 | 1.63 | YES |
| L0006713 | 0 | 0.14230E-05 | 463414.7 | 3769281.8 | 328.0 | 3.50 | 4.00 | 1.63 | YES |
| L0006714 | 0 | 0.14230E-05 | 463414.7 | 3769290.4 | 328.1 | 3.50 | 4.00 | 1.63 | YES |
| L0006715 | 0 | 0.14230E-05 | 463414.7 | 3769299.0 | 328.2 | 3.50 | 4.00 | 1.63 | YES |
| L0006716 | 0 | 0.14230E-05 | 463414.6 | 3769307.6 | 328.3 | 3.50 | 4.00 | 1.63 | YES |
| L0006717 | 0 | 0.14230E-05 | 463414.6 | 3769316.2 | 328.4 | 3.50 | 4.00 | 1.63 | YES |
| L0006718 | 0 | 0.14230E-05 | 463414.6 | 3769324.8 | 328.5 | 3.50 | 4.00 | 1.63 | YES |
| L0006719 | 0 | 0.14230E-05 | 463414.6 | 3769333.4 | 328.6 | 3.50 | 4.00 | 1.63 | YES |
| L0006720 | 0 | 0.14230E-05 | 463414.5 | 3769342.0 | 328.7 | 3.50 | 4.00 | 1.63 | YES |
| L0006721 | 0 | 0.14230E-05 | 463414.5 | 3769350.6 | 328.8 | 3.50 | 4.00 | 1.63 | YES |
| L0006722 | 0 | 0.14230E-05 | 463414.5 | 3769359.2 | 328.9 | 3.50 | 4.00 | 1.63 | YES |
| L0006723 | 0 | 0.14230E-05 | 463414.5 | 3769367.8 | 329.0 | 3.50 | 4.00 | 1.63 | YES |
| L0006724 | 0 | 0.14230E-05 | 463414.4 | 3769376.3 | 329.1 | 3.50 | 4.00 | 1.63 | YES |
| L0006725 | 0 | 0.14230E-05 | 463414.4 | 3769384.9 | 329.2 | 3.50 | 4.00 | 1.63 | YES |
| L0006726 | 0 | 0.14230E-05 | 463414.4 | 3769393.5 | 329.3 | 3.50 | 4.00 | 1.63 | YES |
| L0006727 | 0 | 0.14230E-05 | 463414.4 | 3769402.1 | 329.4 | 3.50 | 4.00 | 1.63 | YES |
| L0006728 | 0 | 0.14230E-05 | 463414.3 | 3769410.7 | 329.4 | 3.50 | 4.00 | 1.63 | YES |
| L0006729 | 0 | 0.31730E-05 | 463407.9 | 3768746.4 | 321.2 | 3.50 | 4.00 | 3.26 | YES |
| L0006730 | 0 | 0.31730E-05 | 463399.3 | 3768746.3 | 321.0 | 3.50 | 4.00 | 3.26 | YES |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| L0006731 | 0 | 0.31730E-05 | 463390.7 | 3768746.3 | 320.8 | 3.50 | 4.00 | 3.26 | YES | |
| L0006732 | 0 | 0.31730E-05 | 463382.1 | 3768746.2 | 320.6 | 3.50 | 4.00 | 3.26 | YES | |
| L0006733 | 0 | 0.31730E-05 | 463373.5 | 3768746.2 | 320.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0006734 | 0 | 0.31730E-05 | 463364.9 | 3768746.1 | 319.8 | 3.50 | 4.00 | 3.26 | YES | |
| L0006735 | 0 | 0.31730E-05 | 463356.3 | 3768746.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES | |
| L0006736 | 0 | 0.31730E-05 | 463347.7 | 3768746.0 | 319.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0006737 | 0 | 0.31730E-05 | 463339.2 | 3768746.0 | 319.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0006738 | 0 | 0.31730E-05 | 463336.0 | 3768751.5 | 319.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0006739 | 0 | 0.31730E-05 | 463335.9 | 3768760.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES | |
| L0006740 | 0 | 0.31730E-05 | 463335.7 | 3768768.6 | 319.5 | 3.50 | 4.00 | 3.26 | YES | |
| L0006741 | 0 | 0.31730E-05 | 463335.6 | 3768777.2 | 319.6 | 3.50 | 4.00 | 3.26 | YES | |
| L0006742 | 0 | 0.31730E-05 | 463335.5 | 3768785.8 | 319.7 | 3.50 | 4.00 | 3.26 | YES | |
| L0006743 | 0 | 0.31730E-05 | 463331.9 | 3768790.9 | 319.7 | 3.50 | 4.00 | 3.26 | YES | |
| L0006744 | 0 | 0.31730E-05 | 463323.3 | 3768790.8 | 319.8 | 3.50 | 4.00 | 3.26 | YES | |
| L0006745 | 0 | 0.31730E-05 | 463314.7 | 3768790.8 | 319.8 | 3.50 | 4.00 | 3.26 | YES | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| L0006746 | 0 | 0.31730E-05 | 463306.1 | 3768790.8 | 319.9 | 3.50 | 4.00 | 3.26 | YES |
| L0006747 | 0 | 0.31730E-05 | 463297.5 | 3768790.8 | 320.0 | 3.50 | 4.00 | 3.26 | YES |
| L0006748 | 0 | 0.31730E-05 | 463288.9 | 3768790.8 | 320.1 | 3.50 | 4.00 | 3.26 | YES |
| L0006749 | 0 | 0.31730E-05 | 463280.4 | 3768790.8 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0006750 | 0 | 0.31730E-05 | 463271.8 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0006751 | 0 | 0.31730E-05 | 463263.2 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0006752 | 0 | 0.31730E-05 | 463254.6 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0006753 | 0 | 0.31730E-05 | 463246.0 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0006754 | 0 | 0.31730E-05 | 463237.4 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0006755 | 0 | 0.31730E-05 | 463235.7 | 3768783.7 | 320.1 | 3.50 | 4.00 | 3.26 | YES |
| L0006756 | 0 | 0.31730E-05 | 463235.6 | 3768775.1 | 320.0 | 3.50 | 4.00 | 3.26 | YES |
| L0006757 | 0 | 0.31730E-05 | 463235.6 | 3768766.5 | 319.9 | 3.50 | 4.00 | 3.26 | YES |
| L0006758 | 0 | 0.31730E-05 | 463235.5 | 3768758.0 | 319.7 | 3.50 | 4.00 | 3.26 | YES |
| L0006759 | 0 | 0.31730E-05 | 463235.5 | 3768749.4 | 319.6 | 3.50 | 4.00 | 3.26 | YES |
| L0006760 | 0 | 0.31730E-05 | 463235.4 | 3768740.8 | 319.5 | 3.50 | 4.00 | 3.26 | YES |
| L0006761 | 0 | 0.31730E-05 | 463235.4 | 3768732.2 | 319.4 | 3.50 | 4.00 | 3.26 | YES |
| L0006762 | 0 | 0.31730E-05 | 463235.3 | 3768723.6 | 319.3 | 3.50 | 4.00 | 3.26 | YES |
| L0006763 | 0 | 0.31730E-05 | 463235.3 | 3768715.0 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0006764 | 0 | 0.31730E-05 | 463235.2 | 3768706.4 | 319.0 | 3.50 | 4.00 | 3.26 | YES |
| L0006765 | 0 | 0.31730E-05 | 463235.2 | 3768697.8 | 318.9 | 3.50 | 4.00 | 3.26 | YES |
| L0006766 | 0 | 0.31730E-05 | 463235.1 | 3768689.2 | 318.8 | 3.50 | 4.00 | 3.26 | YES |
| L0006767 | 0 | 0.31730E-05 | 463235.1 | 3768680.6 | 318.7 | 3.50 | 4.00 | 3.26 | YES |
| L0006768 | 0 | 0.31730E-05 | 463235.0 | 3768672.0 | 318.6 | 3.50 | 4.00 | 3.26 | YES |
| L0006769 | 0 | 0.31730E-05 | 463235.0 | 3768663.5 | 318.5 | 3.50 | 4.00 | 3.26 | YES |
| L0006770 | 0 | 0.31730E-05 | 463237.2 | 3768657.1 | 318.4 | 3.50 | 4.00 | 3.26 | YES |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| L0006771 | 0 | 0.31730E-05 | 463245.8 | 3768657.1 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0006772 | 0 | 0.31730E-05 | 463254.4 | 3768657.2 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0006773 | 0 | 0.31730E-05 | 463263.0 | 3768657.2 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0006774 | 0 | 0.31730E-05 | 463271.5 | 3768657.2 | 318.4 | 3.50 | 4.00 | 3.26 | YES | |
| L0006775 | 0 | 0.31730E-05 | 463280.1 | 3768657.2 | 318.4 | 3.50 | 4.00 | 3.26 | YES | |
| L0006776 | 0 | 0.31730E-05 | 463288.7 | 3768657.2 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0006777 | 0 | 0.31730E-05 | 463297.3 | 3768657.2 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0006778 | 0 | 0.31730E-05 | 463305.9 | 3768657.2 | 318.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0006779 | 0 | 0.31730E-05 | 463314.5 | 3768657.3 | 318.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0006780 | 0 | 0.31730E-05 | 463323.1 | 3768657.3 | 318.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0006781 | 0 | 0.31730E-05 | 463331.7 | 3768657.3 | 318.1 | 3.50 | 4.00 | 3.26 | YES | |
| L0006782 | 0 | 0.31730E-05 | 463340.3 | 3768657.3 | 318.2 | 3.50 | 4.00 | 3.26 | YES | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| L0006783 | 0 | 0.31730E-05 | 463347.8 | 3768658.4 | 318.2 | 3.50 | 4.00 | 3.26 | YES |
| L0006784 | 0 | 0.31730E-05 | 463347.7 | 3768667.0 | 318.3 | 3.50 | 4.00 | 3.26 | YES |
| L0006785 | 0 | 0.31730E-05 | 463347.6 | 3768675.6 | 318.4 | 3.50 | 4.00 | 3.26 | YES |
| L0006786 | 0 | 0.31730E-05 | 463347.5 | 3768684.2 | 318.5 | 3.50 | 4.00 | 3.26 | YES |
| L0006787 | 0 | 0.31730E-05 | 463347.4 | 3768692.8 | 318.7 | 3.50 | 4.00 | 3.26 | YES |
| L0006788 | 0 | 0.31730E-05 | 463347.4 | 3768701.3 | 318.8 | 3.50 | 4.00 | 3.26 | YES |
| L0006789 | 0 | 0.31730E-05 | 463347.3 | 3768709.9 | 318.9 | 3.50 | 4.00 | 3.26 | YES |
| L0006790 | 0 | 0.31730E-05 | 463347.2 | 3768718.5 | 319.0 | 3.50 | 4.00 | 3.26 | YES |
| L0006791 | 0 | 0.31730E-05 | 463347.1 | 3768727.1 | 319.1 | 3.50 | 4.00 | 3.26 | YES |
| L0006792 | 0 | 0.31730E-05 | 463347.1 | 3768735.7 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0006793 | 0 | 0.31730E-05 | 463339.3 | 3768736.3 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0006794 | 0 | 0.31730E-05 | 463330.7 | 3768736.2 | 319.1 | 3.50 | 4.00 | 3.26 | YES |
| L0006795 | 0 | 0.31730E-05 | 463322.1 | 3768736.2 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0006796 | 0 | 0.31730E-05 | 463313.5 | 3768736.2 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0006797 | 0 | 0.31730E-05 | 463304.9 | 3768736.2 | 319.3 | 3.50 | 4.00 | 3.26 | YES |
| L0006798 | 0 | 0.31730E-05 | 463296.3 | 3768736.2 | 319.3 | 3.50 | 4.00 | 3.26 | YES |
| L0006799 | 0 | 0.31730E-05 | 463287.8 | 3768736.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES |
| L0006800 | 0 | 0.31730E-05 | 463279.2 | 3768736.1 | 319.5 | 3.50 | 4.00 | 3.26 | YES |
| L0006801 | 0 | 0.31730E-05 | 463270.6 | 3768736.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES |
| L0006802 | 0 | 0.31730E-05 | 463262.0 | 3768736.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES |
| L0006803 | 0 | 0.31730E-05 | 463253.4 | 3768736.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

| SRCGROUP ID | SOURCE IDs |
|---|---|
| ALL | L0006651 , L0006652 , L0006653 , L0006654 , L0006655 , L0006656 , L0006657 , L0006658 , |
| | L0006659 , L0006660 , L0006661 , L0006662 , L0006663 , L0006664 , L0006665 , L0006666 , |
| | L0006667 , L0006668 , L0006669 , L0006670 , L0006671 , L0006672 , L0006673 , L0006674 , |
| | L0006675 , L0006676 , L0006677 , L0006678 , L0006679 , L0006680 , L0006681 , L0006682 , |
| | L0006683 , L0006684 , L0006685 , L0006686 , L0006687 , L0006688 , L0006689 , L0006690 , |
| | L0006691 , L0006692 , L0006693 , L0006694 , L0006695 , L0006696 , L0006697 , L0006698 , |
| | L0006699 , L0006700 , L0006701 , L0006702 , L0006703 , L0006704 , L0006705 , L0006706 , |
| | L0006707 , L0006708 , L0006709 , L0006710 , L0006711 , L0006712 , L0006713 , L0006714 , |
| | L0006715 , L0006716 , L0006717 , L0006718 , L0006719 , L0006720 , L0006721 , L0006722 , |

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            L0006723    , L0006724    , L0006725    , L0006726    , L0006727    , L0006728    , L0006729    , L0006730    ,

            L0006731    , L0006732    , L0006733    , L0006734    , L0006735    , L0006736    , L0006737    , L0006738    ,

            L0006739    , L0006740    , L0006741    , L0006742    , L0006743    , L0006744    , L0006745    , L0006746    ,

            L0006747    , L0006748    , L0006749    , L0006750    , L0006751    , L0006752    , L0006753    , L0006754    ,

            L0006755    , L0006756    , L0006757    , L0006758    , L0006759    , L0006760    , L0006761    , L0006762    ,

            L0006763    , L0006764    , L0006765    , L0006766    , L0006767    , L0006768    , L0006769    , L0006770    ,

            L0006771    , L0006772    , L0006773    , L0006774    , L0006775    , L0006776    , L0006777    , L0006778    ,

            L0006779    , L0006780    , L0006781    , L0006782    , L0006783    , L0006784    , L0006785    , L0006786    ,

            L0006787    , L0006788    , L0006789    , L0006790    , L0006791    , L0006792    , L0006793    , L0006794    ,

            L0006795    , L0006796    , L0006797    , L0006798    , L0006799    , L0006800    , L0006801    , L0006802    ,

            L0006803    , STCK1       , STCK2       , STCK3       , STCK4       , STCK5       , STCK6       , STCK7       ,
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                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

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


            STCK8       , STCK9       , STCK10      ,
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                                       *** SOURCE IDs DEFINED AS URBAN SOURCES ***

 URBAN ID   URBAN POP                                 SOURCE IDs
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             2035210.   L0006651    , L0006652    , L0006653    , L0006654    , L0006655    , L0006656    , L0006657    ,
L0006658    ,
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L0006659    , L0006660    , L0006661    , L0006662    , L0006663    , L0006664    , L0006665    , L0006666    ,
L0006667    , L0006668    , L0006669    , L0006670    , L0006671    , L0006672    , L0006673    , L0006674    ,
L0006675    , L0006676    , L0006677    , L0006678    , L0006679    , L0006680    , L0006681    , L0006682    ,
L0006683    , L0006684    , L0006685    , L0006686    , L0006687    , L0006688    , L0006689    , L0006690    ,
L0006691    , L0006692    , L0006693    , L0006694    , L0006695    , L0006696    , L0006697    , L0006698    ,
L0006699    , L0006700    , L0006701    , L0006702    , L0006703    , L0006704    , L0006705    , L0006706    ,
L0006707    , L0006708    , L0006709    , L0006710    , L0006711    , L0006712    , L0006713    , L0006714    ,
L0006715    , L0006716    , L0006717    , L0006718    , L0006719    , L0006720    , L0006721    , L0006722    ,
L0006723    , L0006724    , L0006725    , L0006726    , L0006727    , L0006728    , L0006729    , L0006730    ,
L0006731    , L0006732    , L0006733    , L0006734    , L0006735    , L0006736    , L0006737    , L0006738    ,
L0006739    , L0006740    , L0006741    , L0006742    , L0006743    , L0006744    , L0006745    , L0006746    ,
L0006747    , L0006748    , L0006749    , L0006750    , L0006751    , L0006752    , L0006753    , L0006754    ,
L0006755    , L0006756    , L0006757    , L0006758    , L0006759    , L0006760    , L0006761    , L0006762    ,
L0006763    , L0006764    , L0006765    , L0006766    , L0006767    , L0006768    , L0006769    , L0006770    ,
L0006771    , L0006772    , L0006773    , L0006774    , L0006775    , L0006776    , L0006777    , L0006778    ,
L0006779    , L0006780    , L0006781    , L0006782    , L0006783    , L0006784    , L0006785    , L0006786    ,
L0006787    , L0006788    , L0006789    , L0006790    , L0006791    , L0006792    , L0006793    , L0006794    ,
L0006795    , L0006796    , L0006797    , L0006798    , L0006799    , L0006800    , L0006801    , L0006802    ,
L0006803    , STCK1       , STCK2       , STCK3       , STCK4       , STCK5       , STCK6       , STCK7       ,
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*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

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

STCK8 , STCK9 , STCK10 ,



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK2

| IFV | BH | BW | BL | XADJ | YADJ | IFV | BH | BW | BL | XADJ | YADJ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 2 | 3.7, | 3.5, | 3.7, | 2.4, | -2.9, |
| 3 | 3.7, | 3.8, | 3.9, | 2.8, | -2.1, | 4 | 3.7, | 4.0, | 3.9, | 3.1, | -1.3, |
| 5 | 3.7, | 4.0, | 3.9, | 3.3, | -0.4, | 6 | 3.7, | 3.9, | 3.7, | 3.4, | 0.5, |
| 7 | 3.7, | 3.8, | 3.4, | 3.4, | 1.4, | 8 | 3.7, | 3.4, | 3.0, | 3.2, | 2.2, |
| 9 | 3.7, | 3.0, | 2.7, | 2.8, | 3.0, | 10 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 11 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 12 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 13 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 14 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 15 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 16 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 17 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 18 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 19 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 20 | 3.7, | 3.5, | 3.7, | -6.1, | 2.9, |
| 21 | 3.7, | 3.8, | 3.9, | -6.7, | 2.1, | 22 | 3.7, | 4.0, | 3.9, | -7.0, | 1.3, |
| 23 | 3.7, | 4.0, | 3.9, | -7.1, | 0.4, | 24 | 3.7, | 3.9, | 3.7, | -7.1, | -0.5, |
| 25 | 3.7, | 3.8, | 3.4, | -6.8, | -1.4, | 26 | 3.7, | 3.4, | 3.0, | -6.2, | -2.2, |
| 27 | 3.7, | 3.0, | 2.7, | -5.6, | -3.0, | 28 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 29 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 30 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 31 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 32 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 33 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 34 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 35 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 36 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |

SOURCE ID: STCK10

| IFV | BH | BW | BL | XADJ | YADJ | IFV | BH | BW | BL | XADJ | YADJ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.0, | 24.5, | 37.3, | -5.4, | -11.2, | 2 | 7.0, | 29.8, | 39.2, | -4.6, | -8.7, |
| 3 | 7.0, | 34.2, | 35.6, | -1.5, | -6.0, | 4 | 7.0, | 37.5, | 27.9, | 3.2, | -3.1, |
| 5 | 7.0, | 39.8, | 23.5, | 5.7, | -0.1, | 6 | 7.0, | 40.7, | 20.8, | 6.8, | 2.9, |
| 7 | 7.0, | 40.5, | 19.2, | 6.8, | 5.8, | 8 | 7.0, | 39.0, | 18.4, | 6.0, | 8.5, |
| 9 | 7.0, | 36.8, | 18.1, | 4.2, | 11.1, | 10 | 7.0, | 39.3, | 18.4, | 2.0, | 13.2, |
| 11 | 7.0, | 40.7, | 19.4, | -1.0, | 15.0, | 12 | 7.0, | 40.9, | 21.1, | -4.5, | 16.3, |
| 13 | 7.0, | 39.8, | 23.9, | -8.8, | 17.1, | 14 | 7.0, | 37.5, | 28.5, | -14.2, | 17.4, |
| 15 | 7.0, | 34.1, | 36.9, | -21.3, | 17.2, | 16 | 7.0, | 29.6, | 38.8, | -25.2, | 16.4, |
| 17 | 7.0, | 24.2, | 37.1, | -27.1, | 15.2, | 18 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 19 | 7.0, | 24.5, | 37.3, | -31.9, | 11.2, | 20 | 7.0, | 29.8, | 39.2, | -34.6, | 8.7, |
| 21 | 7.0, | 34.2, | 35.6, | -34.1, | 6.0, | 22 | 7.0, | 37.5, | 27.9, | -31.1, | 3.1, |
| 23 | 7.0, | 39.8, | 23.5, | -29.2, | 0.1, | 24 | 7.0, | 40.7, | 20.8, | -27.6, | -2.9, |
| 25 | 7.0, | 40.5, | 19.2, | -26.1, | -5.8, | 26 | 7.0, | 39.0, | 18.4, | -24.4, | -8.5, |
| 27 | 7.0, | 36.8, | 18.1, | -22.4, | -11.1, | 28 | 7.0, | 39.3, | 18.4, | -20.4, | -13.2, |
| 29 | 7.0, | 40.7, | 19.4, | -18.4, | -15.0, | 30 | 7.0, | 40.9, | 21.1, | -16.5, | -16.3, |
| 31 | 7.0, | 39.8, | 23.9, | -15.1, | -17.1, | 32 | 7.0, | 37.5, | 28.5, | -14.4, | -17.4, |
| 33 | 7.0, | 34.1, | 36.9, | -15.6, | -17.2, | 34 | 7.0, | 29.6, | 38.8, | -13.6, | -16.4, |

```
  35    7.0,   24.2,   37.1,  -10.0,  -15.2,     36    0.0,    0.0,    0.0,    0.0,    0.0,
```



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                                    *** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

      462841.8,  462895.4,  462949.0,  463002.6,  463056.2,  463109.8,  463163.5,  463217.1,  463270.7,  463324.3,
      463377.9,  463431.5,  463485.1,  463538.7,  463592.3,  463646.0,  463699.6,  463753.2,  463806.8,  463860.4,
      463914.0,

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

     3768395.3, 3768448.2, 3768501.1, 3768554.0, 3768607.0, 3768659.9, 3768712.8, 3768765.7, 3768818.6, 3768871.5,
     3768924.5, 3768977.4, 3769030.3, 3769083.2, 3769136.1, 3769189.1, 3769242.0, 3769294.9, 3769347.8, 3769400.8,
     3769453.7,
```



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

                                          * ELEVATION HEIGHTS IN METERS *
```

| Y-COORD (METERS) | X-COORD (METERS) 462841.80 | 462895.41 | 462949.02 | 463002.63 | 463056.24 | 463109.85 | 463163.46 | 463217.07 | 463270.68 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 331.50 | 331.20 | 330.50 | 330.10 | 330.00 | 329.80 | 329.80 | 329.70 | 329.70 |
| 3769400.75 | 331.10 | 330.30 | 329.90 | 329.30 | 329.00 | 329.10 | 329.50 | 329.40 | 329.40 |
| 3769347.83 | 330.50 | 329.60 | 328.90 | 328.50 | 328.20 | 328.30 | 328.60 | 328.80 | 328.80 |
| 3769294.91 | 329.70 | 329.00 | 328.10 | 327.90 | 327.60 | 327.70 | 327.80 | 328.20 | 328.40 |
| 3769241.99 | 328.80 | 328.20 | 327.60 | 327.20 | 326.90 | 326.80 | 326.90 | 327.30 | 327.50 |
| 3769189.07 | 327.60 | 327.30 | 326.70 | 326.70 | 326.10 | 325.80 | 326.00 | 326.40 | 326.70 |
| 3769136.15 | 326.70 | 326.70 | 326.10 | 326.20 | 325.60 | 325.20 | 325.40 | 325.80 | 325.90 |
| 3769083.23 | 326.30 | 326.30 | 325.80 | 325.50 | 325.10 | 324.70 | 324.60 | 324.90 | 324.90 |
| 3769030.31 | 325.90 | 325.70 | 325.30 | 324.80 | 324.60 | 324.30 | 323.80 | 323.90 | 323.70 |
| 3768977.39 | 325.50 | 325.20 | 324.90 | 324.30 | 323.90 | 324.00 | 323.20 | 322.80 | 322.70 |
| 3768924.47 | 324.20 | 324.10 | 323.60 | 323.30 | 323.20 | 323.50 | 322.80 | 322.10 | 321.90 |
| 3768871.55 | 323.40 | 323.90 | 322.50 | 322.60 | 322.60 | 323.10 | 322.30 | 321.40 | 321.20 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3768818.63 | 323.00 | 323.00 | 322.00 | 321.90 | 322.00 | 322.30 | 321.60 | 320.70 | 320.50 |
| 3768765.71 | 321.90 | 321.60 | 321.30 | 321.30 | 321.40 | 321.30 | 320.70 | 319.90 | 319.90 |
| 3768712.79 | 321.60 | 320.90 | 320.30 | 320.60 | 320.70 | 320.70 | 320.10 | 319.30 | 319.10 |
| 3768659.87 | 320.60 | 320.10 | 319.90 | 320.10 | 320.00 | 320.00 | 319.50 | 318.80 | 318.40 |
| 3768606.95 | 319.80 | 319.50 | 319.20 | 319.40 | 319.30 | 319.30 | 318.90 | 318.20 | 317.70 |
| 3768554.03 | 319.00 | 318.80 | 318.40 | 318.50 | 318.60 | 318.40 | 318.00 | 317.50 | 316.90 |
| 3768501.11 | 318.30 | 318.20 | 317.80 | 317.90 | 317.80 | 317.70 | 317.40 | 317.10 | 316.70 |
| 3768448.19 | 317.70 | 317.60 | 317.40 | 317.20 | 317.10 | 316.90 | 316.60 | 316.40 | 316.20 |
| 3768395.27 | 316.90 | 316.80 | 316.80 | 316.40 | 316.30 | 316.20 | 315.90 | 316.00 | 315.60 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 463324.29 | 463377.90 | 463431.51 | 463485.12 | 463538.73 | 463592.34 | 463645.95 | 463699.56 | 463753.17 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 329.60 | 329.00 | 329.90 | 330.00 | 329.90 | 328.80 | 327.90 | 327.40 | 327.00 |
| 3769400.75 | 329.50 | 329.20 | 329.40 | 329.60 | 329.40 | 328.10 | 327.20 | 326.80 | 325.90 |
| 3769347.83 | 328.50 | 328.50 | 329.00 | 329.10 | 329.20 | 327.60 | 326.50 | 326.10 | 325.30 |
| 3769294.91 | 327.70 | 328.00 | 328.10 | 328.00 | 327.90 | 327.00 | 325.40 | 324.80 | 324.20 |
| 3769241.99 | 327.30 | 327.50 | 327.30 | 327.40 | 327.10 | 326.20 | 325.10 | 324.50 | 324.00 |
| 3769189.07 | 326.50 | 326.70 | 326.40 | 326.80 | 326.00 | 325.10 | 323.60 | 323.60 | 323.40 |
| 3769136.15 | 325.70 | 326.10 | 325.80 | 326.30 | 325.20 | 324.50 | 322.80 | 323.00 | 322.70 |
| 3769083.23 | 325.10 | 325.20 | 325.30 | 325.70 | 324.70 | 324.10 | 322.40 | 322.40 | 322.10 |
| 3769030.31 | 324.60 | 324.70 | 324.80 | 325.20 | 324.30 | 323.70 | 322.00 | 321.90 | 321.40 |
| 3768977.39 | 323.50 | 324.20 | 324.20 | 324.50 | 323.80 | 323.10 | 321.50 | 321.20 | 320.80 |
| 3768924.47 | 322.20 | 323.30 | 323.60 | 324.00 | 324.20 | 322.70 | 321.70 | 321.00 | 320.30 |
| 3768871.55 | 321.10 | 322.10 | 323.10 | 323.40 | 323.20 | 321.70 | 320.70 | 320.10 | 319.70 |
| 3768818.63 | 320.20 | 321.00 | 322.40 | 322.50 | 322.40 | 321.50 | 320.70 | 319.80 | 319.40 |
| 3768765.71 | 319.50 | 320.60 | 321.60 | 321.30 | 321.20 | 320.80 | 320.00 | 319.30 | 318.60 |
| 3768712.79 | 318.90 | 320.00 | 320.80 | 320.80 | 320.80 | 320.20 | 319.40 | 318.90 | 318.30 |
| 3768659.87 | 318.20 | 319.00 | 320.10 | 320.10 | 320.00 | 319.60 | 319.00 | 318.40 | 317.80 |
| 3768606.95 | 317.70 | 318.20 | 319.30 | 319.40 | 319.30 | 319.10 | 317.90 | 317.40 | 317.20 |
| 3768554.03 | 316.90 | 316.80 | 318.10 | 318.70 | 318.30 | 318.40 | 317.10 | 316.60 | 316.60 |
| 3768501.11 | 316.20 | 315.80 | 316.20 | 318.00 | 317.80 | 318.00 | 316.90 | 316.40 | 316.00 |
| 3768448.19 | 315.50 | 315.00 | 314.90 | 316.90 | 317.00 | 317.30 | 316.60 | 316.20 | 315.20 |
| 3768395.27 | 314.80 | 314.40 | 314.00 | 315.70 | 316.40 | 316.40 | 316.30 | 315.60 | 314.10 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 463806.78 | 463860.39 | 463914.00 |
|---|---|---|---|
| 3769453.67 | 326.00 | 325.70 | 325.40 |
| 3769400.75 | 324.70 | 324.80 | 324.80 |
| 3769347.83 | 324.00 | 323.80 | 323.80 |
| 3769294.91 | 323.70 | 323.20 | 322.90 |
| 3769241.99 | 323.40 | 322.90 | 322.20 |
| 3769189.07 | 323.40 | 322.90 | 321.80 |
| 3769136.15 | 322.80 | 322.70 | 321.80 |
| 3769083.23 | 322.10 | 321.80 | 321.50 |
| 3769030.31 | 321.30 | 320.90 | 320.80 |
| 3768977.39 | 320.50 | 320.10 | 320.30 |
| 3768924.47 | 319.70 | 319.40 | 319.50 |
| 3768871.55 | 319.10 | 318.50 | 318.50 |
| 3768818.63 | 318.80 | 318.00 | 317.60 |
| 3768765.71 | 318.20 | 317.60 | 316.80 |
| 3768712.79 | 317.80 | 317.20 | 316.50 |
| 3768659.87 | 317.30 | 316.60 | 316.10 |
| 3768606.95 | 316.80 | 316.00 | 315.50 |
| 3768554.03 | 316.30 | 315.70 | 314.90 |
| 3768501.11 | 315.70 | 315.50 | 314.60 |
| 3768448.19 | 315.00 | 314.80 | 314.30 |
| 3768395.27 | 314.10 | 314.10 | 313.70 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 462841.80 | 462895.41 | 462949.02 | 463002.63 | 463056.24 | 463109.85 | 463163.46 | 463217.07 | 463270.68 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 331.50 | 331.20 | 330.50 | 330.10 | 330.00 | 329.80 | 329.80 | 329.70 | 329.70 |
| 3769400.75 | 331.10 | 330.30 | 329.90 | 329.30 | 329.00 | 329.10 | 329.50 | 329.40 | 329.40 |
| 3769347.83 | 330.50 | 329.60 | 328.90 | 328.50 | 328.20 | 328.30 | 328.60 | 328.80 | 328.80 |
| 3769294.91 | 329.70 | 329.00 | 328.10 | 327.90 | 327.60 | 327.70 | 327.80 | 328.20 | 328.40 |
| 3769241.99 | 328.80 | 328.20 | 327.60 | 327.20 | 326.90 | 326.80 | 326.90 | 327.30 | 327.50 |
| 3769189.07 | 327.60 | 327.30 | 326.70 | 326.70 | 326.10 | 325.80 | 326.00 | 326.40 | 326.70 |
| 3769136.15 | 326.70 | 326.70 | 326.10 | 326.20 | 325.60 | 325.20 | 325.40 | 325.80 | 325.90 |
| 3769083.23 | 326.30 | 326.30 | 325.80 | 325.50 | 325.10 | 324.70 | 324.60 | 324.90 | 324.90 |
| 3769030.31 | 325.90 | 325.70 | 325.30 | 324.80 | 324.60 | 324.30 | 323.80 | 323.90 | 323.70 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3768977.39 | 325.50 | 325.20 | 324.90 | 324.30 | 323.90 | 324.00 | 323.20 | 322.80 | 322.70 |
| 3768924.47 | 324.20 | 324.10 | 323.60 | 323.30 | 323.20 | 323.50 | 322.80 | 322.10 | 321.90 |
| 3768871.55 | 323.40 | 323.90 | 322.50 | 322.60 | 322.60 | 323.10 | 322.30 | 321.40 | 321.20 |
| 3768818.63 | 323.00 | 323.00 | 322.00 | 321.90 | 322.00 | 322.30 | 321.60 | 320.70 | 320.50 |
| 3768765.71 | 321.90 | 321.60 | 321.30 | 321.30 | 321.40 | 321.30 | 320.70 | 319.90 | 319.90 |
| 3768712.79 | 321.60 | 320.90 | 320.30 | 320.60 | 320.70 | 320.70 | 320.10 | 319.30 | 319.10 |
| 3768659.87 | 320.60 | 320.10 | 319.90 | 320.10 | 320.00 | 320.00 | 319.50 | 318.80 | 318.40 |
| 3768606.95 | 319.80 | 319.50 | 319.20 | 319.40 | 319.30 | 319.30 | 318.90 | 318.20 | 317.70 |
| 3768554.03 | 319.00 | 318.80 | 318.40 | 318.50 | 318.60 | 318.40 | 318.00 | 317.50 | 316.90 |
| 3768501.11 | 318.30 | 318.20 | 317.80 | 317.90 | 317.80 | 317.70 | 317.40 | 317.10 | 316.70 |
| 3768448.19 | 317.70 | 317.60 | 317.40 | 317.20 | 317.10 | 316.90 | 316.60 | 316.40 | 316.20 |
| 3768395.27 | 316.90 | 316.80 | 316.80 | 316.40 | 316.30 | 316.20 | 315.90 | 316.00 | 315.60 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 463324.29 | 463377.90 | 463431.51 | 463485.12 | 463538.73 | 463592.34 | 463645.95 | 463699.56 | 463753.17 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 329.60 | 329.00 | 329.90 | 330.00 | 329.90 | 328.80 | 327.90 | 327.40 | 327.00 |
| 3769400.75 | 329.50 | 329.20 | 329.40 | 329.60 | 329.40 | 328.10 | 327.20 | 326.80 | 325.90 |
| 3769347.83 | 328.50 | 328.50 | 329.00 | 329.10 | 329.20 | 327.60 | 326.50 | 326.10 | 325.30 |
| 3769294.91 | 327.70 | 328.00 | 328.10 | 328.00 | 327.90 | 327.00 | 325.40 | 324.80 | 324.20 |
| 3769241.99 | 327.30 | 327.50 | 327.30 | 327.40 | 327.10 | 326.20 | 325.10 | 324.50 | 324.00 |
| 3769189.07 | 326.50 | 326.70 | 326.40 | 326.80 | 326.00 | 325.10 | 323.60 | 323.60 | 323.40 |
| 3769136.15 | 325.70 | 326.10 | 325.80 | 326.30 | 325.20 | 324.50 | 322.80 | 323.00 | 322.70 |
| 3769083.23 | 325.10 | 325.20 | 325.30 | 325.70 | 324.70 | 324.10 | 322.40 | 322.40 | 322.10 |
| 3769030.31 | 324.60 | 324.70 | 324.80 | 325.20 | 324.30 | 323.70 | 322.00 | 321.90 | 321.40 |
| 3768977.39 | 323.50 | 324.20 | 324.20 | 324.50 | 323.80 | 323.10 | 321.50 | 321.20 | 320.80 |
| 3768924.47 | 322.20 | 323.30 | 323.60 | 324.00 | 324.20 | 322.70 | 321.70 | 321.00 | 320.30 |
| 3768871.55 | 321.10 | 322.10 | 323.10 | 323.40 | 323.20 | 321.70 | 320.70 | 320.10 | 319.70 |
| 3768818.63 | 320.20 | 321.00 | 322.40 | 322.50 | 322.40 | 321.50 | 320.70 | 319.80 | 319.40 |
| 3768765.71 | 319.50 | 320.60 | 321.60 | 321.30 | 321.20 | 320.80 | 320.00 | 319.30 | 318.60 |
| 3768712.79 | 318.90 | 320.00 | 320.80 | 320.80 | 320.80 | 320.20 | 319.40 | 318.90 | 318.30 |
| 3768659.87 | 318.20 | 319.00 | 320.10 | 320.10 | 320.00 | 319.60 | 319.00 | 318.40 | 317.80 |
| 3768606.95 | 317.70 | 318.20 | 319.30 | 319.40 | 319.30 | 319.10 | 317.90 | 317.40 | 317.20 |
| 3768554.03 | 316.90 | 316.80 | 318.10 | 318.70 | 318.30 | 318.40 | 317.10 | 316.60 | 316.60 |
| 3768501.11 | 316.20 | 315.80 | 316.20 | 318.00 | 317.80 | 318.00 | 316.90 | 316.40 | 316.00 |
| 3768448.19 | 315.50 | 315.00 | 314.90 | 316.90 | 317.00 | 317.30 | 316.60 | 316.20 | 315.20 |
| 3768395.27 | 314.80 | 314.40 | 314.00 | 315.70 | 316.40 | 316.40 | 316.30 | 315.60 | 314.10 |

```
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

                                          * HILL HEIGHT SCALES IN METERS *

   Y-COORD  |                                            X-COORD (METERS)
   (METERS) |     463806.78    463860.39    463914.00
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3769453.67 |        326.00       325.70       325.40
 3769400.75 |        324.70       324.80       324.80
 3769347.83 |        324.00       323.80       323.80
 3769294.91 |        323.70       323.20       322.90
 3769241.99 |        323.40       322.90       322.20
 3769189.07 |        323.40       322.90       321.80
 3769136.15 |        322.80       322.70       321.80
 3769083.23 |        322.10       321.80       321.50
 3769030.31 |        321.30       320.90       320.80
 3768977.39 |        320.50       320.10       320.30
 3768924.47 |        319.70       319.40       319.50
 3768871.55 |        319.10       318.50       318.50
 3768818.63 |        318.80       318.00       317.60
 3768765.71 |        318.20       317.60       316.80
 3768712.79 |        317.80       317.20       316.50
 3768659.87 |        317.30       316.60       316.10
 3768606.95 |        316.80       316.00       315.50
 3768554.03 |        316.30       315.70       314.90
 3768501.11 |        315.70       315.50       314.60
 3768448.19 |        315.00       314.80       314.30
 3768395.27 |        314.10       314.10       313.70

*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                    ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations Opening Year Rev-1                              ***        11:24:13
                                                                                                                     PAGE  19
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

    ( 463254.2, 3768833.6,     320.7,     320.7,       0.0);         ( 463393.1, 3768834.1,     321.8,     321.8,       0.0);
    ( 463394.8, 3768875.6,     322.7,     322.7,       0.0);         ( 463431.0, 3769285.9,     328.0,     328.0,       0.0);
    ( 463500.5, 3769068.7,     325.8,     325.8,       0.0);         ( 463480.0, 3768844.4,     323.2,     323.2,       0.0);
    ( 463443.5, 3768760.5,     321.4,     321.4,       0.0);         ( 463430.2, 3768626.9,     319.6,     319.6,       0.0);
    ( 463263.2, 3768577.4,     317.1,     317.1,       0.0);         ( 463191.5, 3768499.3,     317.2,     317.2,       0.0);
    ( 463093.3, 3768680.6,     320.2,     320.2,       0.0);

*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                    ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations Opening Year Rev-1                              ***        11:24:13
                                                                                                                     PAGE  20
```

```
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


                          SOURCE          - - RECEPTOR LOCATION - -         DISTANCE
                            ID           XR (METERS)   YR (METERS)         (METERS)
                        - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                         L0006773            463270.7     3768659.9            -0.41
                         L0006774            463270.7     3768659.9            -5.78
                         L0006780            463324.3     3768659.9            -5.74
                         L0006781            463324.3     3768659.9            -0.77

*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                    ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations Opening Year Rev-1                              ***        11:24:13
                                                                                                                     PAGE  21
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

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


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

                                                 1.54,   3.09,   5.14,   8.23,  10.80,

*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                    ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations Opening Year Rev-1                              ***        11:24:13
                                                                                                                     PAGE  22
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

  Surface file:   E:\New MET data\FONT_V9_ADJU\FONT_v9.SFC                                    Met Version:  16216
  Profile file:   E:\New MET data\FONT_V9_ADJU\FONT_v9.PFL
  Surface format: FREE
```

Profile format: FREE
Surface station no.: 3102 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2011 Year: 2011

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 01 | 01 | 1 | 01 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 204. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 69. | 9.1 | 276.4 | 5.5 |
| 11 | 01 | 01 | 1 | 02 | -23.8 | 0.239 | -9.000 | -9.000 | -999. | 281. | 63.0 | 0.25 | 2.82 | 1.00 | 2.20 | 52. | 9.1 | 275.4 | 5.5 |
| 11 | 01 | 01 | 1 | 03 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 205. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 32. | 9.1 | 275.4 | 5.5 |
| 11 | 01 | 01 | 1 | 04 | -1.4 | 0.067 | -9.000 | -9.000 | -999. | 57. | 18.3 | 0.25 | 2.82 | 1.00 | 0.40 | 27. | 9.1 | 274.2 | 5.5 |
| 11 | 01 | 01 | 1 | 05 | -18.6 | 0.194 | -9.000 | -9.000 | -999. | 204. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 51. | 9.1 | 274.2 | 5.5 |
| 11 | 01 | 01 | 1 | 06 | -29.7 | 0.296 | -9.000 | -9.000 | -999. | 387. | 96.6 | 0.25 | 2.82 | 1.00 | 2.70 | 53. | 9.1 | 274.2 | 5.5 |
| 11 | 01 | 01 | 1 | 07 | -24.0 | 0.239 | -9.000 | -9.000 | -999. | 282. | 63.0 | 0.25 | 2.82 | 1.00 | 2.20 | 70. | 9.1 | 274.2 | 5.5 |
| 11 | 01 | 01 | 1 | 08 | -8.4 | 0.138 | -9.000 | -9.000 | -999. | 127. | 27.3 | 0.25 | 2.82 | 0.54 | 1.30 | 72. | 9.1 | 275.4 | 5.5 |
| 11 | 01 | 01 | 1 | 09 | 44.3 | 0.280 | 0.571 | 0.005 | 147. | 356. | -43.5 | 0.25 | 2.82 | 0.32 | 2.20 | 67. | 9.1 | 277.5 | 5.5 |
| 11 | 01 | 01 | 1 | 10 | 122.7 | 0.264 | 0.952 | 0.005 | 247. | 326. | -13.2 | 0.25 | 2.82 | 0.25 | 1.80 | 83. | 9.1 | 279.9 | 5.5 |
| 11 | 01 | 01 | 1 | 11 | 179.8 | 0.316 | 1.733 | 0.005 | 1017. | 426. | -15.4 | 0.25 | 2.82 | 0.22 | 2.20 | 58. | 9.1 | 282.0 | 5.5 |
| 11 | 01 | 01 | 1 | 12 | 206.0 | 0.320 | 1.940 | 0.008 | 1244. | 435. | -14.0 | 0.25 | 2.82 | 0.21 | 2.20 | 115. | 9.1 | 283.1 | 5.5 |
| 11 | 01 | 01 | 1 | 13 | 132.6 | 0.214 | 1.733 | 0.009 | 1377. | 243. | -6.5 | 0.25 | 2.82 | 0.21 | 1.30 | 147. | 9.1 | 284.2 | 5.5 |
| 11 | 01 | 01 | 1 | 14 | 147.0 | 0.216 | 1.818 | 0.009 | 1431. | 242. | -6.0 | 0.25 | 2.82 | 0.23 | 1.30 | 219. | 9.1 | 284.9 | 5.5 |
| 11 | 01 | 01 | 1 | 15 | 104.0 | 0.208 | 1.633 | 0.009 | 1468. | 228. | -7.6 | 0.25 | 2.82 | 0.26 | 1.30 | 126. | 9.1 | 285.4 | 5.5 |
| 11 | 01 | 01 | 1 | 16 | 26.4 | 0.140 | 1.037 | 0.009 | 1477. | 127. | -9.1 | 0.25 | 2.82 | 0.35 | 0.90 | 151. | 9.1 | 284.9 | 5.5 |
| 11 | 01 | 01 | 1 | 17 | -9.0 | 0.137 | -9.000 | -9.000 | -999. | 121. | 24.9 | 0.25 | 2.82 | 0.63 | 1.30 | 69. | 9.1 | 283.1 | 5.5 |
| 11 | 01 | 01 | 1 | 18 | -33.4 | 0.342 | -9.000 | -9.000 | -999. | 481. | 129.0 | 0.25 | 2.82 | 1.00 | 3.10 | 81. | 9.1 | 281.4 | 5.5 |
| 11 | 01 | 01 | 1 | 19 | -33.6 | 0.342 | -9.000 | -9.000 | -999. | 481. | 128.9 | 0.25 | 2.82 | 1.00 | 3.10 | 51. | 9.1 | 279.9 | 5.5 |
| 11 | 01 | 01 | 1 | 20 | -23.6 | 0.239 | -9.000 | -9.000 | -999. | 287. | 63.1 | 0.25 | 2.82 | 1.00 | 2.20 | 77. | 9.1 | 278.8 | 5.5 |
| 11 | 01 | 01 | 1 | 21 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 205. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 53. | 9.1 | 277.5 | 5.5 |
| 11 | 01 | 01 | 1 | 22 | -23.7 | 0.239 | -9.000 | -9.000 | -999. | 281. | 63.0 | 0.25 | 2.82 | 1.00 | 2.20 | 58. | 9.1 | 277.5 | 5.5 |
| 11 | 01 | 01 | 1 | 23 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 205. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 64. | 9.1 | 277.5 | 5.5 |
| 11 | 01 | 01 | 1 | 24 | -4.5 | 0.094 | -9.000 | -9.000 | -999. | 74. | 16.3 | 0.25 | 2.82 | 1.00 | 0.90 | 52. | 9.1 | 277.0 | 5.5 |

First hour of profile data

| YR | MO | DY | HR | HEIGHT | F | WDIR | WSPD | AMB_TMP | sigmaA | sigmaW | sigmaV |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 01 | 01 | 01 | 5.5 | 0 | -999. | -99.00 | 276.5 | 99.0 | -99.00 | -99.00 |
| 11 | 01 | 01 | 01 | 9.1 | 1 | 69. | 1.80 | -999.0 | 99.0 | -99.00 | -99.00 |

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

*** AERMOD - VERSION 21112 *** *** 19349 Bloomington Truck Storage *** 10/15/21
*** AERMET - VERSION 16216 *** *** DPM Concentrations Opening Year Rev-1 *** 11:24:13
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0006651 , L0006652 , L0006653 , L0006654 , L0006655 ,
L0006656 , L0006657 , L0006658 , L0006659 , L0006660 , L0006661 , L0006662 , L0006663 ,
L0006664 , L0006665 , L0006666 , L0006667 , L0006668 , L0006669 , L0006670 , L0006671 ,
L0006672 , L0006673 , L0006674 , L0006675 , L0006676 , L0006677 , L0006678 , . . . ,

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

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

| Y-COORD (METERS) | X-COORD (METERS) 462841.80 | 462895.41 | 462949.02 | 463002.63 | 463056.24 | 463109.85 | 463163.46 | 463217.07 | 463270.68 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 0.00060 | 0.00065 | 0.00073 | 0.00081 | 0.00089 | 0.00100 | 0.00113 | 0.00130 | 0.00155 |
| 3769400.75 | 0.00065 | 0.00073 | 0.00081 | 0.00092 | 0.00102 | 0.00115 | 0.00129 | 0.00153 | 0.00191 |
| 3769347.83 | 0.00072 | 0.00081 | 0.00092 | 0.00103 | 0.00116 | 0.00131 | 0.00150 | 0.00178 | 0.00229 |
| 3769294.91 | 0.00080 | 0.00090 | 0.00103 | 0.00115 | 0.00131 | 0.00148 | 0.00171 | 0.00204 | 0.00262 |
| 3769241.99 | 0.00088 | 0.00100 | 0.00114 | 0.00129 | 0.00147 | 0.00168 | 0.00195 | 0.00233 | 0.00296 |
| 3769189.07 | 0.00099 | 0.00112 | 0.00128 | 0.00144 | 0.00167 | 0.00193 | 0.00223 | 0.00263 | 0.00330 |
| 3769136.15 | 0.00109 | 0.00123 | 0.00142 | 0.00162 | 0.00189 | 0.00221 | 0.00254 | 0.00299 | 0.00370 |
| 3769083.23 | 0.00119 | 0.00135 | 0.00158 | 0.00183 | 0.00218 | 0.00259 | 0.00304 | 0.00353 | 0.00429 |
| 3769030.31 | 0.00129 | 0.00149 | 0.00176 | 0.00214 | 0.00255 | 0.00310 | 0.00375 | 0.00441 | 0.00528 |
| 3768977.39 | 0.00139 | 0.00165 | 0.00199 | 0.00249 | 0.00309 | 0.00374 | 0.00467 | 0.00563 | 0.00665 |
| 3768924.47 | 0.00161 | 0.00192 | 0.00236 | 0.00293 | 0.00368 | 0.00461 | 0.00602 | 0.00760 | 0.00911 |
| 3768871.55 | 0.00175 | 0.00206 | 0.00263 | 0.00331 | 0.00429 | 0.00578 | 0.00821 | 0.01185 | 0.01509 |
| 3768818.63 | 0.00185 | 0.00225 | 0.00281 | 0.00362 | 0.00488 | 0.00703 | 0.01152 | 0.02634 | 0.04045 |
| 3768765.71 | 0.00190 | 0.00233 | 0.00294 | 0.00384 | 0.00532 | 0.00806 | 0.01451 | 0.04284 | 0.06147 |
| 3768712.79 | 0.00192 | 0.00235 | 0.00298 | 0.00391 | 0.00547 | 0.00839 | 0.01532 | 0.04305 | 0.05605 |
| 3768659.87 | 0.00190 | 0.00233 | 0.00293 | 0.00382 | 0.00528 | 0.00792 | 0.01384 | 0.03903 | 0.06021 |
| 3768606.95 | 0.00185 | 0.00225 | 0.00279 | 0.00359 | 0.00481 | 0.00683 | 0.01049 | 0.01771 | 0.02264 |
| 3768554.03 | 0.00178 | 0.00213 | 0.00260 | 0.00326 | 0.00420 | 0.00555 | 0.00743 | 0.00959 | 0.01120 |
| 3768501.11 | 0.00168 | 0.00199 | 0.00238 | 0.00290 | 0.00358 | 0.00443 | 0.00541 | 0.00641 | 0.00716 |
| 3768448.19 | 0.00157 | 0.00183 | 0.00215 | 0.00255 | 0.00302 | 0.00356 | 0.00413 | 0.00466 | 0.00497 |
| 3768395.27 | 0.00146 | 0.00167 | 0.00193 | 0.00222 | 0.00255 | 0.00291 | 0.00324 | 0.00353 | 0.00364 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0006651 , L0006652 , L0006653 , L0006654 , L0006655 ,
L0006656 , L0006657 , L0006658 , L0006659 , L0006660 , L0006661 , L0006662 , L0006663 ,
L0006664 , L0006665 , L0006666 , L0006667 , L0006668 , L0006669 , L0006670 , L0006671 ,
L0006672 , L0006673 , L0006674 , L0006675 , L0006676 , L0006677 , L0006678 , . . . ,

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

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

| Y-COORD (METERS) | X-COORD (METERS) 463324.29 | 463377.90 | 463431.51 | 463485.12 | 463538.73 | 463592.34 | 463645.95 | 463699.56 | 463753.17 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 0.00197 | 0.00274 | 0.00318 | 0.00253 | 0.00200 | 0.00171 | 0.00151 | 0.00137 | 0.00127 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3769400.75 | 0.00269 | 0.00564 | 0.01169 | 0.00395 | 0.00260 | 0.00207 | 0.00177 | 0.00158 | 0.00145 |
| 3769347.83 | 0.00340 | 0.00760 | 0.01489 | 0.00494 | 0.00309 | 0.00240 | 0.00203 | 0.00179 | 0.00163 |
| 3769294.91 | 0.00391 | 0.00834 | 0.01572 | 0.00552 | 0.00351 | 0.00271 | 0.00229 | 0.00200 | 0.00179 |
| 3769241.99 | 0.00430 | 0.00877 | 0.01627 | 0.00594 | 0.00388 | 0.00302 | 0.00255 | 0.00222 | 0.00197 |
| 3769189.07 | 0.00468 | 0.00915 | 0.01676 | 0.00634 | 0.00425 | 0.00335 | 0.00281 | 0.00244 | 0.00216 |
| 3769136.15 | 0.00510 | 0.00956 | 0.01732 | 0.00678 | 0.00467 | 0.00371 | 0.00310 | 0.00268 | 0.00235 |
| 3769083.23 | 0.00566 | 0.01010 | 0.01797 | 0.00734 | 0.00516 | 0.00412 | 0.00344 | 0.00295 | 0.00257 |
| 3769030.31 | 0.00648 | 0.01089 | 0.01884 | 0.00811 | 0.00579 | 0.00464 | 0.00384 | 0.00326 | 0.00279 |
| 3768977.39 | 0.00802 | 0.01223 | 0.02011 | 0.00915 | 0.00662 | 0.00524 | 0.00429 | 0.00357 | 0.00300 |
| 3768924.47 | 0.01067 | 0.01461 | 0.02219 | 0.01066 | 0.00781 | 0.00597 | 0.00478 | 0.00388 | 0.00318 |
| 3768871.55 | 0.01671 | 0.01942 | 0.02571 | 0.01279 | 0.00896 | 0.00671 | 0.00519 | 0.00408 | 0.00328 |
| 3768818.63 | 0.03712 | 0.03086 | 0.03123 | 0.01524 | 0.01015 | 0.00727 | 0.00540 | 0.00413 | 0.00325 |
| 3768765.71 | 0.08941 | 0.06554 | 0.03835 | 0.01688 | 0.01054 | 0.00721 | 0.00522 | 0.00394 | 0.00309 |
| 3768712.79 | 0.06862 | 0.05336 | 0.02888 | 0.01516 | 0.00930 | 0.00637 | 0.00466 | 0.00356 | 0.00283 |
| 3768659.87 | 0.05557 | 0.05604 | 0.01778 | 0.01060 | 0.00717 | 0.00521 | 0.00396 | 0.00312 | 0.00253 |
| 3768606.95 | 0.02239 | 0.01684 | 0.01106 | 0.00759 | 0.00553 | 0.00423 | 0.00334 | 0.00271 | 0.00224 |
| 3768554.03 | 0.01165 | 0.00909 | 0.00734 | 0.00563 | 0.00440 | 0.00350 | 0.00284 | 0.00235 | 0.00199 |
| 3768501.11 | 0.00709 | 0.00590 | 0.00514 | 0.00431 | 0.00353 | 0.00293 | 0.00245 | 0.00207 | 0.00177 |
| 3768448.19 | 0.00481 | 0.00420 | 0.00381 | 0.00336 | 0.00288 | 0.00246 | 0.00211 | 0.00182 | 0.00159 |
| 3768395.27 | 0.00349 | 0.00317 | 0.00294 | 0.00267 | 0.00237 | 0.00208 | 0.00183 | 0.00161 | 0.00142 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0006651 , L0006652 , L0006653 , L0006654 , L0006655 ,
L0006656 , L0006657 , L0006658 , L0006659 , L0006660 , L0006661 , L0006662 , L0006663 ,
L0006664 , L0006665 , L0006666 , L0006667 , L0006668 , L0006669 , L0006670 , L0006671 ,
L0006672 , L0006673 , L0006674 , L0006675 , L0006676 , L0006677 , L0006678 , . . . ,

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

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

| Y-COORD (METERS) | X-COORD (METERS) 463806.78 | 463860.39 | 463914.00 |
|---|---|---|---|
| 3769453.67 | 0.00120 | 0.00114 | 0.00108 |
| 3769400.75 | 0.00134 | 0.00125 | 0.00118 |
| 3769347.83 | 0.00147 | 0.00135 | 0.00125 |
| 3769294.91 | 0.00161 | 0.00146 | 0.00134 |
| 3769241.99 | 0.00177 | 0.00159 | 0.00144 |
| 3769189.07 | 0.00193 | 0.00172 | 0.00155 |
| 3769136.15 | 0.00208 | 0.00186 | 0.00165 |
| 3769083.23 | 0.00225 | 0.00198 | 0.00175 |
| 3769030.31 | 0.00241 | 0.00209 | 0.00183 |
| 3768977.39 | 0.00254 | 0.00217 | 0.00188 |
| 3768924.47 | 0.00264 | 0.00222 | 0.00190 |

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 3768871.55 |       0.00267      0.00222      0.00189
 3768818.63 |       0.00263      0.00217      0.00183
 3768765.71 |       0.00250      0.00206      0.00174
 3768712.79 |       0.00230      0.00192      0.00163
 3768659.87 |       0.00209      0.00177      0.00152
 3768606.95 |       0.00189      0.00161      0.00140
 3768554.03 |       0.00170      0.00147      0.00129
 3768501.11 |       0.00154      0.00135      0.00119
 3768448.19 |       0.00139      0.00123      0.00110
 3768395.27 |       0.00126      0.00113      0.00102
```



```
                          *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL      ***
                              INCLUDING SOURCE(S):     L0006651    , L0006652    , L0006653    , L0006654    , L0006655    ,
               L0006656    , L0006657    , L0006658    , L0006659    , L0006660    , L0006661    , L0006662    , L0006663    ,
               L0006664    , L0006665    , L0006666    , L0006667    , L0006668    , L0006669    , L0006670    , L0006671    ,
               L0006672    , L0006673    , L0006674    , L0006675    , L0006676    , L0006677    , L0006678    ,  . . .      ,

                                        *** 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        463254.19    3768833.64        0.02775                      463393.14    3768834.12        0.02862
        463394.80    3768875.62        0.02296                      463430.97    3769285.89        0.01613
        463500.45    3769068.72        0.00667                      463479.95    3768844.42        0.01466
        463443.46    3768760.52        0.02952                      463430.19    3768626.86        0.01329
        463263.21    3768577.44        0.01426                      463191.53    3768499.27        0.00588
        463093.30    3768680.58        0.00711
```



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                                   *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***


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

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

ALL       1ST HIGHEST VALUE IS       0.08941 AT (  463324.29,  3768765.71,   319.50,   319.50,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS       0.06862 AT (  463324.29,  3768712.79,   318.90,   318.90,    0.00)  GC  UCART1
```

```
         3RD HIGHEST VALUE IS       0.06554 AT (  463377.90,  3768765.71,   320.60,   320.60,    0.00)  GC  UCART1
         4TH HIGHEST VALUE IS       0.06147 AT (  463270.68,  3768765.71,   319.90,   319.90,    0.00)  GC  UCART1
         5TH HIGHEST VALUE IS       0.06021 AT (  463270.68,  3768659.87,   318.40,   318.40,    0.00)  GC  UCART1
         6TH HIGHEST VALUE IS       0.05605 AT (  463270.68,  3768712.79,   319.10,   319.10,    0.00)  GC  UCART1
         7TH HIGHEST VALUE IS       0.05604 AT (  463377.90,  3768659.87,   319.00,   319.00,    0.00)  GC  UCART1
         8TH HIGHEST VALUE IS       0.05557 AT (  463324.29,  3768659.87,   318.20,   318.20,    0.00)  GC  UCART1
         9TH HIGHEST VALUE IS       0.05336 AT (  463377.90,  3768712.79,   320.00,   320.00,    0.00)  GC  UCART1
        10TH HIGHEST VALUE IS       0.04305 AT (  463217.07,  3768712.79,   319.30,   319.30,    0.00)  GC  UCART1


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

*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                    ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations Opening Year Rev-1                              ***        11:24:13
                                                                                                                     PAGE  28
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

A Total of            0 Fatal Error Message(s)
A Total of           12 Warning Message(s)
A Total of          838 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of           40 Calm Hours Identified

A Total of          798 Missing Hours Identified (  1.82 Percent)


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


   ********   WARNING MESSAGES   ********
SO W320     408        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     410        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     412        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     414        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     416        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
ME W186     795       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used           0.50
ME W187     795       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12010216
MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12042516
MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =                    12113003
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:      15010101
```

```
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:    1 year gap

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

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.1
** Lakes Environmental Software Inc.
** Date: 10/15/2021
** File: C:\Lakes\AERMOD View\19394 Bloomington Truck Storage 2022-23 rev 1\19394 Bloomington Truck Storage 2022-23 rev 1.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE 19349 Bloomington Truck Storage
   TITLETWO DPM Concentrations 2022-23 Rev-1
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2035210 County_of_San_Bernardino
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "19394 Bloomington Truck Storage 2022-23 rev 1.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 Cedar Avenue, Project Driveway toward I-10 Freeway
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.0000392
** Elevated
** Vertical Dimension = 7.00
** SZINIT = 1.63
** Nodes = 2
** 463416.235, 3768744.921, 321.08, 3.50, 4.00
** 463414.315, 3769418.372, 329.50, 3.50, 4.00
```

```
** ----------------------------------------------------------------------
   LOCATION L0007428     VOLUME   463416.223 3768749.217 321.27
   LOCATION L0007429     VOLUME   463416.198 3768757.807 321.40
   LOCATION L0007430     VOLUME   463416.174 3768766.398 321.54
   LOCATION L0007431     VOLUME   463416.149 3768774.989 321.66
   LOCATION L0007432     VOLUME   463416.125 3768783.580 321.78
   LOCATION L0007433     VOLUME   463416.100 3768792.170 321.90
   LOCATION L0007434     VOLUME   463416.076 3768800.761 322.02
   LOCATION L0007435     VOLUME   463416.051 3768809.352 322.13
   LOCATION L0007436     VOLUME   463416.027 3768817.943 322.24
   LOCATION L0007437     VOLUME   463416.002 3768826.533 322.34
   LOCATION L0007438     VOLUME   463415.978 3768835.124 322.45
   LOCATION L0007439     VOLUME   463415.953 3768843.715 322.58
   LOCATION L0007440     VOLUME   463415.929 3768852.306 322.71
   LOCATION L0007441     VOLUME   463415.904 3768860.897 322.83
   LOCATION L0007442     VOLUME   463415.880 3768869.487 322.96
   LOCATION L0007443     VOLUME   463415.855 3768878.078 323.09
   LOCATION L0007444     VOLUME   463415.831 3768886.669 323.21
   LOCATION L0007445     VOLUME   463415.806 3768895.260 323.34
   LOCATION L0007446     VOLUME   463415.782 3768903.850 323.43
   LOCATION L0007447     VOLUME   463415.757 3768912.441 323.53
   LOCATION L0007448     VOLUME   463415.733 3768921.032 323.62
   LOCATION L0007449     VOLUME   463415.708 3768929.623 323.72
   LOCATION L0007450     VOLUME   463415.684 3768938.213 323.83
   LOCATION L0007451     VOLUME   463415.659 3768946.804 323.93
   LOCATION L0007452     VOLUME   463415.635 3768955.395 324.03
   LOCATION L0007453     VOLUME   463415.610 3768963.986 324.13
   LOCATION L0007454     VOLUME   463415.586 3768972.576 324.22
   LOCATION L0007455     VOLUME   463415.561 3768981.167 324.31
   LOCATION L0007456     VOLUME   463415.537 3768989.758 324.40
   LOCATION L0007457     VOLUME   463415.512 3768998.349 324.48
   LOCATION L0007458     VOLUME   463415.488 3769006.940 324.56
   LOCATION L0007459     VOLUME   463415.463 3769015.530 324.64
   LOCATION L0007460     VOLUME   463415.439 3769024.121 324.70
   LOCATION L0007461     VOLUME   463415.414 3769032.712 324.77
   LOCATION L0007462     VOLUME   463415.390 3769041.303 324.83
   LOCATION L0007463     VOLUME   463415.365 3769049.893 324.89
   LOCATION L0007464     VOLUME   463415.341 3769058.484 324.97
   LOCATION L0007465     VOLUME   463415.316 3769067.075 325.04
   LOCATION L0007466     VOLUME   463415.292 3769075.666 325.12
   LOCATION L0007467     VOLUME   463415.267 3769084.256 325.20
   LOCATION L0007468     VOLUME   463415.243 3769092.847 325.29
   LOCATION L0007469     VOLUME   463415.218 3769101.438 325.39
   LOCATION L0007470     VOLUME   463415.194 3769110.029 325.48
   LOCATION L0007471     VOLUME   463415.169 3769118.619 325.57
   LOCATION L0007472     VOLUME   463415.145 3769127.210 325.67
   LOCATION L0007473     VOLUME   463415.121 3769135.801 325.77
   LOCATION L0007474     VOLUME   463415.096 3769144.392 325.87
   LOCATION L0007475     VOLUME   463415.072 3769152.983 325.96
   LOCATION L0007476     VOLUME   463415.047 3769161.573 326.06
   LOCATION L0007477     VOLUME   463415.023 3769170.164 326.16
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   LOCATION L0007478     VOLUME   463414.998 3769178.755 326.28
   LOCATION L0007479     VOLUME   463414.974 3769187.346 326.41
   LOCATION L0007480     VOLUME   463414.949 3769195.936 326.53
   LOCATION L0007481     VOLUME   463414.925 3769204.527 326.67
   LOCATION L0007482     VOLUME   463414.900 3769213.118 326.80
   LOCATION L0007483     VOLUME   463414.876 3769221.709 326.94
   LOCATION L0007484     VOLUME   463414.851 3769230.299 327.08
   LOCATION L0007485     VOLUME   463414.827 3769238.890 327.23
   LOCATION L0007486     VOLUME   463414.802 3769247.481 327.39
   LOCATION L0007487     VOLUME   463414.778 3769256.072 327.56
   LOCATION L0007488     VOLUME   463414.753 3769264.662 327.72
   LOCATION L0007489     VOLUME   463414.729 3769273.253 327.84
   LOCATION L0007490     VOLUME   463414.704 3769281.844 327.97
   LOCATION L0007491     VOLUME   463414.680 3769290.435 328.09
   LOCATION L0007492     VOLUME   463414.655 3769299.026 328.21
   LOCATION L0007493     VOLUME   463414.631 3769307.616 328.31
   LOCATION L0007494     VOLUME   463414.606 3769316.207 328.42
   LOCATION L0007495     VOLUME   463414.582 3769324.798 328.53
   LOCATION L0007496     VOLUME   463414.557 3769333.389 328.63
   LOCATION L0007497     VOLUME   463414.533 3769341.979 328.74
   LOCATION L0007498     VOLUME   463414.508 3769350.570 328.84
   LOCATION L0007499     VOLUME   463414.484 3769359.161 328.94
   LOCATION L0007500     VOLUME   463414.459 3769367.752 329.02
   LOCATION L0007501     VOLUME   463414.435 3769376.342 329.11
   LOCATION L0007502     VOLUME   463414.410 3769384.933 329.19
   LOCATION L0007503     VOLUME   463414.386 3769393.524 329.27
   LOCATION L0007504     VOLUME   463414.361 3769402.115 329.36
   LOCATION L0007505     VOLUME   463414.337 3769410.705 329.44
** End of LINE VOLUME Source ID = SLINE1
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC On-Site Truck Travel from Project Driveway to Truck Spaces
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.0000698
** Elevated
** Building Height = 7.01
** SZINIT = 3.26
** Nodes = 10
** 463412.175, 3768746.397, 321.09, 3.50, 4.00
** 463336.045, 3768745.986, 319.18, 3.50, 4.00
** 463335.445, 3768790.874, 319.76, 3.50, 4.00
** 463235.736, 3768790.651, 320.21, 3.50, 4.00
** 463234.933, 3768657.116, 318.52, 3.50, 4.00
** 463347.785, 3768657.317, 318.15, 3.50, 4.00
** 463347.040, 3768733.020, 319.20, 3.50, 4.00
** 463347.117, 3768736.467, 319.22, 3.50, 4.00
** 463345.547, 3768736.284, 319.21, 3.50, 4.00
** 463246.178, 3768736.032, 319.50, 3.50, 4.00
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** ----------------------------------------------------------------------
   LOCATION L0007506     VOLUME   463407.880 3768746.374 321.21
   LOCATION L0007507     VOLUME   463399.289 3768746.327 321.03
   LOCATION L0007508     VOLUME   463390.699 3768746.281 320.83
   LOCATION L0007509     VOLUME   463382.108 3768746.234 320.63
   LOCATION L0007510     VOLUME   463373.517 3768746.188 320.22
   LOCATION L0007511     VOLUME   463364.927 3768746.142 319.79
   LOCATION L0007512     VOLUME   463356.336 3768746.095 319.36
   LOCATION L0007513     VOLUME   463347.745 3768746.049 319.29
   LOCATION L0007514     VOLUME   463339.155 3768746.002 319.25
   LOCATION L0007515     VOLUME   463335.972 3768751.466 319.30
   LOCATION L0007516     VOLUME   463335.857 3768760.056 319.38
   LOCATION L0007517     VOLUME   463335.742 3768768.646 319.47
   LOCATION L0007518     VOLUME   463335.627 3768777.236 319.56
   LOCATION L0007519     VOLUME   463335.512 3768785.826 319.67
   LOCATION L0007520     VOLUME   463331.902 3768790.866 319.72
   LOCATION L0007521     VOLUME   463323.312 3768790.847 319.77
   LOCATION L0007522     VOLUME   463314.721 3768790.828 319.84
   LOCATION L0007523     VOLUME   463306.130 3768790.808 319.91
   LOCATION L0007524     VOLUME   463297.539 3768790.789 319.99
   LOCATION L0007525     VOLUME   463288.948 3768790.770 320.08
   LOCATION L0007526     VOLUME   463280.358 3768790.751 320.16
   LOCATION L0007527     VOLUME   463271.767 3768790.732 320.17
   LOCATION L0007528     VOLUME   463263.176 3768790.713 320.17
   LOCATION L0007529     VOLUME   463254.585 3768790.693 320.16
   LOCATION L0007530     VOLUME   463245.995 3768790.674 320.16
   LOCATION L0007531     VOLUME   463237.404 3768790.655 320.17
   LOCATION L0007532     VOLUME   463235.694 3768783.728 320.08
   LOCATION L0007533     VOLUME   463235.643 3768775.138 319.96
   LOCATION L0007534     VOLUME   463235.591 3768766.547 319.85
   LOCATION L0007535     VOLUME   463235.539 3768757.956 319.74
   LOCATION L0007536     VOLUME   463235.488 3768749.366 319.63
   LOCATION L0007537     VOLUME   463235.436 3768740.775 319.52
   LOCATION L0007538     VOLUME   463235.384 3768732.184 319.40
   LOCATION L0007539     VOLUME   463235.333 3768723.594 319.28
   LOCATION L0007540     VOLUME   463235.281 3768715.003 319.16
   LOCATION L0007541     VOLUME   463235.229 3768706.412 319.04
   LOCATION L0007542     VOLUME   463235.178 3768697.822 318.93
   LOCATION L0007543     VOLUME   463235.126 3768689.231 318.82
   LOCATION L0007544     VOLUME   463235.074 3768680.641 318.70
   LOCATION L0007545     VOLUME   463235.023 3768672.050 318.61
   LOCATION L0007546     VOLUME   463234.971 3768663.459 318.52
   LOCATION L0007547     VOLUME   463237.181 3768657.120 318.43
   LOCATION L0007548     VOLUME   463245.771 3768657.136 318.33
   LOCATION L0007549     VOLUME   463254.362 3768657.151 318.27
   LOCATION L0007550     VOLUME   463262.953 3768657.166 318.31
   LOCATION L0007551     VOLUME   463271.544 3768657.181 318.35
   LOCATION L0007552     VOLUME   463280.134 3768657.197 318.38
   LOCATION L0007553     VOLUME   463288.725 3768657.212 318.34
   LOCATION L0007554     VOLUME   463297.316 3768657.227 318.30
   LOCATION L0007555     VOLUME   463305.907 3768657.243 318.25
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   LOCATION L0007556     VOLUME   463314.498 3768657.258 318.21
   LOCATION L0007557     VOLUME   463323.088 3768657.273 318.16
   LOCATION L0007558     VOLUME   463331.679 3768657.288 318.14
   LOCATION L0007559     VOLUME   463340.270 3768657.304 318.17
   LOCATION L0007560     VOLUME   463347.775 3768658.393 318.22
   LOCATION L0007561     VOLUME   463347.690 3768666.983 318.32
   LOCATION L0007562     VOLUME   463347.605 3768675.573 318.42
   LOCATION L0007563     VOLUME   463347.521 3768684.164 318.53
   LOCATION L0007564     VOLUME   463347.436 3768692.754 318.65
   LOCATION L0007565     VOLUME   463347.352 3768701.345 318.76
   LOCATION L0007566     VOLUME   463347.267 3768709.935 318.88
   LOCATION L0007567     VOLUME   463347.183 3768718.525 318.98
   LOCATION L0007568     VOLUME   463347.098 3768727.116 319.08
   LOCATION L0007569     VOLUME   463347.100 3768735.706 319.17
   LOCATION L0007570     VOLUME   463339.298 3768736.268 319.15
   LOCATION L0007571     VOLUME   463330.708 3768736.246 319.11
   LOCATION L0007572     VOLUME   463322.117 3768736.225 319.16
   LOCATION L0007573     VOLUME   463313.526 3768736.203 319.23
   LOCATION L0007574     VOLUME   463304.935 3768736.181 319.29
   LOCATION L0007575     VOLUME   463296.345 3768736.159 319.34
   LOCATION L0007576     VOLUME   463287.754 3768736.138 319.40
   LOCATION L0007577     VOLUME   463279.163 3768736.116 319.46
   LOCATION L0007578     VOLUME   463270.572 3768736.094 319.45
   LOCATION L0007579     VOLUME   463261.981 3768736.072 319.44
   LOCATION L0007580     VOLUME   463253.391 3768736.051 319.43
** End of LINE VOLUME Source ID = SLINE2
   LOCATION STCK1        POINT      463399.472  3768747.191      321.050
** DESCRSRC Idle Location 1
   LOCATION STCK2        POINT      463350.489  3768746.620      319.300
** DESCRSRC Idle Location 2
   LOCATION STCK3        POINT      463338.837  3768800.271      319.840
** DESCRSRC Idle Location 3
   LOCATION STCK4        POINT      463242.784  3768802.580      320.320
** DESCRSRC Idle Location 4
   LOCATION STCK5        POINT      463251.406  3768747.984      319.600
** DESCRSRC Idle Location 5
   LOCATION STCK6        POINT      463304.041  3768747.736      319.430
** DESCRSRC Idle Location 6
   LOCATION STCK7        POINT      463235.874  3768695.968      318.900
** DESCRSRC Idle Location 7
   LOCATION STCK8        POINT      463250.054  3768645.973      318.150
** DESCRSRC Idle Location8
   LOCATION STCK9        POINT      463326.257  3768644.016      318.010
** DESCRSRC Idle Location 9 - aisle
   LOCATION STCK10       POINT      463370.825  3768676.187      319.030
** DESCRSRC Idle Location 10 - service bay
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0007428     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007429     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007430     0.0000005026      3.50      4.00      1.63
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SRCPARAM L0007431     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007432     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007433     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007434     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007435     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007436     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007437     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007438     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007439     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007440     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007441     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007442     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007443     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007444     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007445     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007446     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007447     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007448     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007449     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007450     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007451     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007452     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007453     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007454     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007455     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007456     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007457     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007458     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007459     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007460     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007461     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007462     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007463     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007464     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007465     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007466     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007467     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007468     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007469     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007470     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007471     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007472     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007473     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007474     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007475     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007476     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007477     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007478     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007479     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007480     0.0000005026      3.50      4.00      1.63
SRCPARAM L0007481     0.0000005026      3.50      4.00      1.63
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   SRCPARAM L0007482     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007483     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007484     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007485     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007486     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007487     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007488     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007489     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007490     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007491     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007492     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007493     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007494     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007495     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007496     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007497     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007498     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007499     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007500     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007501     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007502     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007503     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007504     0.0000005026      3.50      4.00      1.63
   SRCPARAM L0007505     0.0000005026      3.50      4.00      1.63
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0007506     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007507     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007508     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007509     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007510     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007511     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007512     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007513     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007514     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007515     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007516     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007517     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007518     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007519     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007520     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007521     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007522     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007523     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007524     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007525     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007526     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007527     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007528     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007529     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007530     0.0000009307      3.50      4.00      3.26
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   SRCPARAM L0007531     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007532     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007533     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007534     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007535     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007536     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007537     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007538     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007539     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007540     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007541     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007542     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007543     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007544     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007545     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007546     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007547     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007548     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007549     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007550     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007551     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007552     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007553     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007554     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007555     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007556     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007557     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007558     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007559     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007560     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007561     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007562     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007563     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007564     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007565     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007566     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007567     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007568     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007569     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007570     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007571     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007572     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007573     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007574     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007575     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007576     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007577     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007578     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007579     0.0000009307      3.50      4.00      3.26
   SRCPARAM L0007580     0.0000009307      3.50      4.00      3.26
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   SRCPARAM STCK1         7.72E-06     3.417   366.000  51.71000     0.100
   SRCPARAM STCK2         7.72E-06     3.417   366.000   0.00100     0.100
   SRCPARAM STCK3         7.72E-06     3.417   366.000  51.71000     0.100
   SRCPARAM STCK4         7.72E-06     3.417   366.000   0.00100     0.100
   SRCPARAM STCK5         7.72E-06     3.417   366.000  51.71000     0.100
   SRCPARAM STCK6         7.72E-06     3.417   366.000   0.00100     0.100
   SRCPARAM STCK7         7.72E-06     3.417   366.000  51.71000     0.100
   SRCPARAM STCK8         7.72E-06     3.417   366.000   0.00100     0.100
   SRCPARAM STCK9         7.72E-06     3.417   366.000  51.71000     0.100
   SRCPARAM STCK10        7.72E-06     3.417   366.000   0.00100     0.100

** Building Downwash **
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK2            0.00     3.66     3.66     3.66     3.66     3.66
   BUILDHGT STCK2            3.66     3.66     3.66     0.00     0.00     0.00
   BUILDHGT STCK2            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK2            0.00     3.66     3.66     3.66     3.66     3.66
   BUILDHGT STCK2            3.66     3.66     3.66     0.00     0.00     0.00
   BUILDHGT STCK2            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK6            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK6            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK6            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK6            0.00     0.00     0.00     0.00     0.00     0.00
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| | | | | | | |
|---|---|---|---|---|---|---|
| BUILDHGT STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 0.00 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK2 | 0.00 | 3.50 | 3.79 | 3.96 | 4.01 | 3.94 |
| BUILDWID STCK2 | 3.75 | 3.45 | 3.04 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK2 | 0.00 | 3.50 | 3.79 | 3.96 | 4.01 | 3.94 |
| BUILDWID STCK2 | 3.75 | 3.45 | 3.04 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | |
|---|---|---|---|---|---|---|
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK10 | 24.52 | 29.81 | 34.20 | 37.54 | 39.75 | 40.74 |
| BUILDWID STCK10 | 40.50 | 39.03 | 36.75 | 39.34 | 40.73 | 40.89 |
| BUILDWID STCK10 | 39.80 | 37.50 | 34.07 | 29.60 | 24.23 | 0.00 |
| BUILDWID STCK10 | 24.52 | 29.81 | 34.20 | 37.54 | 39.75 | 40.74 |
| BUILDWID STCK10 | 40.50 | 39.03 | 36.75 | 39.34 | 40.73 | 40.89 |
| BUILDWID STCK10 | 39.80 | 37.50 | 34.07 | 29.60 | 24.23 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK2 | 0.00 | 3.72 | 3.89 | 3.94 | 3.88 | 3.69 |
| BUILDLEN STCK2 | 3.40 | 3.00 | 2.72 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK2 | 0.00 | 3.72 | 3.89 | 3.94 | 3.88 | 3.69 |
| BUILDLEN STCK2 | 3.40 | 3.00 | 2.72 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| BUILDLEN | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK10 | 37.27 | 39.16 | 35.62 | 27.86 | 23.46 | 20.80 |
| BUILDLEN | STCK10 | 19.21 | 18.37 | 18.12 | 18.43 | 19.36 | 21.05 |
| BUILDLEN | STCK10 | 23.86 | 28.54 | 36.89 | 38.78 | 37.10 | 0.00 |
| BUILDLEN | STCK10 | 37.27 | 39.16 | 35.62 | 27.86 | 23.46 | 20.80 |
| BUILDLEN | STCK10 | 19.21 | 18.37 | 18.12 | 18.43 | 19.36 | 21.05 |
| BUILDLEN | STCK10 | 23.86 | 28.54 | 36.89 | 38.78 | 37.10 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK2 | 0.00 | 2.40 | 2.77 | 3.06 | 3.26 | 3.36 |
| XBADJ | STCK2 | 3.36 | 3.25 | 2.84 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK2 | 0.00 | -6.11 | -6.66 | -7.01 | -7.14 | -7.06 |
| XBADJ | STCK2 | -6.76 | -6.25 | -5.56 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK10 | -5.41 | -4.58 | -1.49 | 3.21 | 5.70 | 6.80 |
| XBADJ | STCK10 | 6.84 | 6.01 | 4.23 | 1.97 | -0.95 | -4.51 |
| XBADJ | STCK10 | -8.81 | -14.15 | -21.32 | -25.17 | -27.07 | 0.00 |
| XBADJ | STCK10 | -31.86 | -34.58 | -34.12 | -31.06 | -29.16 | -27.60 |
| XBADJ | STCK10 | -26.05 | -24.38 | -22.36 | -20.40 | -18.41 | -16.54 |
| XBADJ | STCK10 | -15.05 | -14.39 | -15.57 | -13.60 | -10.03 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK2 | 0.00 | -2.89 | -2.11 | -1.28 | -0.40 | 0.49 |
| YBADJ | STCK2 | 1.36 | 2.19 | 2.96 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK2 | 0.00 | 2.89 | 2.11 | 1.28 | 0.40 | -0.49 |
| YBADJ | STCK2 | -1.36 | -2.19 | -2.96 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK10 | -11.18 | -8.73 | -6.02 | -3.12 | -0.12 | 2.87 |
| YBADJ | STCK10 | 5.78 | 8.52 | 11.06 | 13.23 | 15.00 | 16.31 |

```
   YBADJ    STCK10          17.13    17.43    17.20    16.45    15.19     0.00
   YBADJ    STCK10          11.18     8.73     6.02     3.12     0.12    -2.87
   YBADJ    STCK10          -5.78    -8.52   -11.06   -13.23   -15.00   -16.31
   YBADJ    STCK10         -17.13   -17.43   -17.20   -16.45   -15.19     0.00

   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "19394 Bloomington Truck Storage 2022-23 rev 1.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE "E:\New MET data\FONT_V9_ADJU\FONT_v9.SFC"
   PROFFILE "E:\New MET data\FONT_V9_ADJU\FONT_v9.PFL"
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "19394 BLOOMINGTON TRUCK STORAGE 2022-23 REV 1.AD\PE00GALL.PLT" 31
   SUMMFILE "19394 Bloomington Truck Storage 2022-23 rev 1.sum"
OU FINISHED


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            7 Warning Message(s)
 A Total of            0 Informational Message(s)
```

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


   ********   WARNING MESSAGES   ********
SO W320     408        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     410        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     412        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     414        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     416        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
ME W186     795       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used           0.50
ME W187     795       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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


*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                         ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations 2022-23 Rev-1                                        ***        12:19:11
                                                                                                                          PAGE   1
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for   163 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m

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

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

```
**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of:  DPM

**Model Calculates PERIOD Averages Only

**This Run Includes:    163 Source(s);       1 Source Group(s); and     452 Receptor(s)

               with:     10 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:    153 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


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

**The AERMET Input Meteorological Data Version Date:  16216

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

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

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   367.00 ;  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:   19394 Bloomington Truck Storage 2022-23 rev 1.err
**File for Summary of Results:   19394 Bloomington Truck Storage 2022-23 rev 1.sum

*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                      ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations 2022-23 Rev-1                                    ***        12:19:11
                                                                                                                       PAGE   2
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** POINT SOURCE DATA ***
```

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | STACK HEIGHT (METERS) | STACK TEMP. (DEG.K) | STACK EXIT VEL. (M/SEC) | STACK DIAMETER (METERS) | BLDG EXISTS | URBAN SOURCE | CAP/ HOR | EMIS RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STCK1 | 0 | 0.77200E-05 | 463399.5 | 3768747.2 | 321.1 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK2 | 0 | 0.77200E-05 | 463350.5 | 3768746.6 | 319.3 | 3.42 | 366.00 | 0.00 | 0.10 | YES | YES | NO | |
| STCK3 | 0 | 0.77200E-05 | 463338.8 | 3768800.3 | 319.8 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK4 | 0 | 0.77200E-05 | 463242.8 | 3768802.6 | 320.3 | 3.42 | 366.00 | 0.00 | 0.10 | NO | YES | NO | |
| STCK5 | 0 | 0.77200E-05 | 463251.4 | 3768748.0 | 319.6 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK6 | 0 | 0.77200E-05 | 463304.0 | 3768747.7 | 319.4 | 3.42 | 366.00 | 0.00 | 0.10 | NO | YES | NO | |
| STCK7 | 0 | 0.77200E-05 | 463235.9 | 3768696.0 | 318.9 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK8 | 0 | 0.77200E-05 | 463250.1 | 3768646.0 | 318.2 | 3.42 | 366.00 | 0.00 | 0.10 | NO | YES | NO | |
| STCK9 | 0 | 0.77200E-05 | 463326.3 | 3768644.0 | 318.0 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK10 | 0 | 0.77200E-05 | 463370.8 | 3768676.2 | 319.0 | 3.42 | 366.00 | 0.00 | 0.10 | YES | YES | NO | |



*** 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| L0007428 | 0 | 0.50260E-06 | 463416.2 | 3768749.2 | 321.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0007429 | 0 | 0.50260E-06 | 463416.2 | 3768757.8 | 321.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0007430 | 0 | 0.50260E-06 | 463416.2 | 3768766.4 | 321.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0007431 | 0 | 0.50260E-06 | 463416.1 | 3768775.0 | 321.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0007432 | 0 | 0.50260E-06 | 463416.1 | 3768783.6 | 321.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0007433 | 0 | 0.50260E-06 | 463416.1 | 3768792.2 | 321.9 | 3.50 | 4.00 | 1.63 | YES | |
| L0007434 | 0 | 0.50260E-06 | 463416.1 | 3768800.8 | 322.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0007435 | 0 | 0.50260E-06 | 463416.1 | 3768809.4 | 322.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0007436 | 0 | 0.50260E-06 | 463416.0 | 3768817.9 | 322.2 | 3.50 | 4.00 | 1.63 | YES | |
| L0007437 | 0 | 0.50260E-06 | 463416.0 | 3768826.5 | 322.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0007438 | 0 | 0.50260E-06 | 463416.0 | 3768835.1 | 322.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0007439 | 0 | 0.50260E-06 | 463416.0 | 3768843.7 | 322.6 | 3.50 | 4.00 | 1.63 | YES | |
| L0007440 | 0 | 0.50260E-06 | 463415.9 | 3768852.3 | 322.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0007441 | 0 | 0.50260E-06 | 463415.9 | 3768860.9 | 322.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0007442 | 0 | 0.50260E-06 | 463415.9 | 3768869.5 | 323.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0007443 | 0 | 0.50260E-06 | 463415.9 | 3768878.1 | 323.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0007444 | 0 | 0.50260E-06 | 463415.8 | 3768886.7 | 323.2 | 3.50 | 4.00 | 1.63 | YES | |
| L0007445 | 0 | 0.50260E-06 | 463415.8 | 3768895.3 | 323.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0007446 | 0 | 0.50260E-06 | 463415.8 | 3768903.8 | 323.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0007447 | 0 | 0.50260E-06 | 463415.8 | 3768912.4 | 323.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0007448 | 0 | 0.50260E-06 | 463415.7 | 3768921.0 | 323.6 | 3.50 | 4.00 | 1.63 | YES | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| L0007449 | 0 | 0.50260E-06 | 463415.7 | 3768929.6 | 323.7 | 3.50 | 4.00 | 1.63 | YES |
| L0007450 | 0 | 0.50260E-06 | 463415.7 | 3768938.2 | 323.8 | 3.50 | 4.00 | 1.63 | YES |
| L0007451 | 0 | 0.50260E-06 | 463415.7 | 3768946.8 | 323.9 | 3.50 | 4.00 | 1.63 | YES |
| L0007452 | 0 | 0.50260E-06 | 463415.6 | 3768955.4 | 324.0 | 3.50 | 4.00 | 1.63 | YES |
| L0007453 | 0 | 0.50260E-06 | 463415.6 | 3768964.0 | 324.1 | 3.50 | 4.00 | 1.63 | YES |
| L0007454 | 0 | 0.50260E-06 | 463415.6 | 3768972.6 | 324.2 | 3.50 | 4.00 | 1.63 | YES |
| L0007455 | 0 | 0.50260E-06 | 463415.6 | 3768981.2 | 324.3 | 3.50 | 4.00 | 1.63 | YES |
| L0007456 | 0 | 0.50260E-06 | 463415.5 | 3768989.8 | 324.4 | 3.50 | 4.00 | 1.63 | YES |
| L0007457 | 0 | 0.50260E-06 | 463415.5 | 3768998.3 | 324.5 | 3.50 | 4.00 | 1.63 | YES |
| L0007458 | 0 | 0.50260E-06 | 463415.5 | 3769006.9 | 324.6 | 3.50 | 4.00 | 1.63 | YES |
| L0007459 | 0 | 0.50260E-06 | 463415.5 | 3769015.5 | 324.6 | 3.50 | 4.00 | 1.63 | YES |
| L0007460 | 0 | 0.50260E-06 | 463415.4 | 3769024.1 | 324.7 | 3.50 | 4.00 | 1.63 | YES |
| L0007461 | 0 | 0.50260E-06 | 463415.4 | 3769032.7 | 324.8 | 3.50 | 4.00 | 1.63 | YES |
| L0007462 | 0 | 0.50260E-06 | 463415.4 | 3769041.3 | 324.8 | 3.50 | 4.00 | 1.63 | YES |
| L0007463 | 0 | 0.50260E-06 | 463415.4 | 3769049.9 | 324.9 | 3.50 | 4.00 | 1.63 | YES |
| L0007464 | 0 | 0.50260E-06 | 463415.3 | 3769058.5 | 325.0 | 3.50 | 4.00 | 1.63 | YES |
| L0007465 | 0 | 0.50260E-06 | 463415.3 | 3769067.1 | 325.0 | 3.50 | 4.00 | 1.63 | YES |
| L0007466 | 0 | 0.50260E-06 | 463415.3 | 3769075.7 | 325.1 | 3.50 | 4.00 | 1.63 | YES |
| L0007467 | 0 | 0.50260E-06 | 463415.3 | 3769084.3 | 325.2 | 3.50 | 4.00 | 1.63 | YES |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| L0007468 | 0 | 0.50260E-06 | 463415.2 | 3769092.8 | 325.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0007469 | 0 | 0.50260E-06 | 463415.2 | 3769101.4 | 325.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0007470 | 0 | 0.50260E-06 | 463415.2 | 3769110.0 | 325.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0007471 | 0 | 0.50260E-06 | 463415.2 | 3769118.6 | 325.6 | 3.50 | 4.00 | 1.63 | YES | |
| L0007472 | 0 | 0.50260E-06 | 463415.1 | 3769127.2 | 325.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0007473 | 0 | 0.50260E-06 | 463415.1 | 3769135.8 | 325.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0007474 | 0 | 0.50260E-06 | 463415.1 | 3769144.4 | 325.9 | 3.50 | 4.00 | 1.63 | YES | |
| L0007475 | 0 | 0.50260E-06 | 463415.1 | 3769153.0 | 326.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0007476 | 0 | 0.50260E-06 | 463415.0 | 3769161.6 | 326.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0007477 | 0 | 0.50260E-06 | 463415.0 | 3769170.2 | 326.2 | 3.50 | 4.00 | 1.63 | YES | |
| L0007478 | 0 | 0.50260E-06 | 463415.0 | 3769178.8 | 326.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0007479 | 0 | 0.50260E-06 | 463415.0 | 3769187.3 | 326.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0007480 | 0 | 0.50260E-06 | 463414.9 | 3769195.9 | 326.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0007481 | 0 | 0.50260E-06 | 463414.9 | 3769204.5 | 326.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0007482 | 0 | 0.50260E-06 | 463414.9 | 3769213.1 | 326.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0007483 | 0 | 0.50260E-06 | 463414.9 | 3769221.7 | 326.9 | 3.50 | 4.00 | 1.63 | YES | |
| L0007484 | 0 | 0.50260E-06 | 463414.9 | 3769230.3 | 327.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0007485 | 0 | 0.50260E-06 | 463414.8 | 3769238.9 | 327.2 | 3.50 | 4.00 | 1.63 | YES | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| L0007486 | 0 | 0.50260E-06 | 463414.8 | 3769247.5 | 327.4 | 3.50 | 4.00 | 1.63 | YES |
| L0007487 | 0 | 0.50260E-06 | 463414.8 | 3769256.1 | 327.6 | 3.50 | 4.00 | 1.63 | YES |
| L0007488 | 0 | 0.50260E-06 | 463414.8 | 3769264.7 | 327.7 | 3.50 | 4.00 | 1.63 | YES |
| L0007489 | 0 | 0.50260E-06 | 463414.7 | 3769273.3 | 327.8 | 3.50 | 4.00 | 1.63 | YES |
| L0007490 | 0 | 0.50260E-06 | 463414.7 | 3769281.8 | 328.0 | 3.50 | 4.00 | 1.63 | YES |
| L0007491 | 0 | 0.50260E-06 | 463414.7 | 3769290.4 | 328.1 | 3.50 | 4.00 | 1.63 | YES |
| L0007492 | 0 | 0.50260E-06 | 463414.7 | 3769299.0 | 328.2 | 3.50 | 4.00 | 1.63 | YES |
| L0007493 | 0 | 0.50260E-06 | 463414.6 | 3769307.6 | 328.3 | 3.50 | 4.00 | 1.63 | YES |
| L0007494 | 0 | 0.50260E-06 | 463414.6 | 3769316.2 | 328.4 | 3.50 | 4.00 | 1.63 | YES |
| L0007495 | 0 | 0.50260E-06 | 463414.6 | 3769324.8 | 328.5 | 3.50 | 4.00 | 1.63 | YES |
| L0007496 | 0 | 0.50260E-06 | 463414.6 | 3769333.4 | 328.6 | 3.50 | 4.00 | 1.63 | YES |
| L0007497 | 0 | 0.50260E-06 | 463414.5 | 3769342.0 | 328.7 | 3.50 | 4.00 | 1.63 | YES |
| L0007498 | 0 | 0.50260E-06 | 463414.5 | 3769350.6 | 328.8 | 3.50 | 4.00 | 1.63 | YES |
| L0007499 | 0 | 0.50260E-06 | 463414.5 | 3769359.2 | 328.9 | 3.50 | 4.00 | 1.63 | YES |
| L0007500 | 0 | 0.50260E-06 | 463414.5 | 3769367.8 | 329.0 | 3.50 | 4.00 | 1.63 | YES |
| L0007501 | 0 | 0.50260E-06 | 463414.4 | 3769376.3 | 329.1 | 3.50 | 4.00 | 1.63 | YES |
| L0007502 | 0 | 0.50260E-06 | 463414.4 | 3769384.9 | 329.2 | 3.50 | 4.00 | 1.63 | YES |
| L0007503 | 0 | 0.50260E-06 | 463414.4 | 3769393.5 | 329.3 | 3.50 | 4.00 | 1.63 | YES |
| L0007504 | 0 | 0.50260E-06 | 463414.4 | 3769402.1 | 329.4 | 3.50 | 4.00 | 1.63 | YES |
| L0007505 | 0 | 0.50260E-06 | 463414.3 | 3769410.7 | 329.4 | 3.50 | 4.00 | 1.63 | YES |
| L0007506 | 0 | 0.93070E-06 | 463407.9 | 3768746.4 | 321.2 | 3.50 | 4.00 | 3.26 | YES |
| L0007507 | 0 | 0.93070E-06 | 463399.3 | 3768746.3 | 321.0 | 3.50 | 4.00 | 3.26 | YES |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| L0007508 | 0 | 0.93070E-06 | 463390.7 | 3768746.3 | 320.8 | 3.50 | 4.00 | 3.26 | YES | |
| L0007509 | 0 | 0.93070E-06 | 463382.1 | 3768746.2 | 320.6 | 3.50 | 4.00 | 3.26 | YES | |
| L0007510 | 0 | 0.93070E-06 | 463373.5 | 3768746.2 | 320.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0007511 | 0 | 0.93070E-06 | 463364.9 | 3768746.1 | 319.8 | 3.50 | 4.00 | 3.26 | YES | |
| L0007512 | 0 | 0.93070E-06 | 463356.3 | 3768746.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES | |
| L0007513 | 0 | 0.93070E-06 | 463347.7 | 3768746.0 | 319.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0007514 | 0 | 0.93070E-06 | 463339.2 | 3768746.0 | 319.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0007515 | 0 | 0.93070E-06 | 463336.0 | 3768751.5 | 319.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0007516 | 0 | 0.93070E-06 | 463335.9 | 3768760.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES | |
| L0007517 | 0 | 0.93070E-06 | 463335.7 | 3768768.6 | 319.5 | 3.50 | 4.00 | 3.26 | YES | |
| L0007518 | 0 | 0.93070E-06 | 463335.6 | 3768777.2 | 319.6 | 3.50 | 4.00 | 3.26 | YES | |
| L0007519 | 0 | 0.93070E-06 | 463335.5 | 3768785.8 | 319.7 | 3.50 | 4.00 | 3.26 | YES | |
| L0007520 | 0 | 0.93070E-06 | 463331.9 | 3768790.9 | 319.7 | 3.50 | 4.00 | 3.26 | YES | |
| L0007521 | 0 | 0.93070E-06 | 463323.3 | 3768790.8 | 319.8 | 3.50 | 4.00 | 3.26 | YES | |
| L0007522 | 0 | 0.93070E-06 | 463314.7 | 3768790.8 | 319.8 | 3.50 | 4.00 | 3.26 | YES | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| L0007523 | 0 | 0.93070E-06 | 463306.1 | 3768790.8 | 319.9 | 3.50 | 4.00 | 3.26 | YES |
| L0007524 | 0 | 0.93070E-06 | 463297.5 | 3768790.8 | 320.0 | 3.50 | 4.00 | 3.26 | YES |
| L0007525 | 0 | 0.93070E-06 | 463288.9 | 3768790.8 | 320.1 | 3.50 | 4.00 | 3.26 | YES |
| L0007526 | 0 | 0.93070E-06 | 463280.4 | 3768790.8 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0007527 | 0 | 0.93070E-06 | 463271.8 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0007528 | 0 | 0.93070E-06 | 463263.2 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0007529 | 0 | 0.93070E-06 | 463254.6 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0007530 | 0 | 0.93070E-06 | 463246.0 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0007531 | 0 | 0.93070E-06 | 463237.4 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0007532 | 0 | 0.93070E-06 | 463235.7 | 3768783.7 | 320.1 | 3.50 | 4.00 | 3.26 | YES |
| L0007533 | 0 | 0.93070E-06 | 463235.6 | 3768775.1 | 320.0 | 3.50 | 4.00 | 3.26 | YES |
| L0007534 | 0 | 0.93070E-06 | 463235.6 | 3768766.5 | 319.9 | 3.50 | 4.00 | 3.26 | YES |
| L0007535 | 0 | 0.93070E-06 | 463235.5 | 3768758.0 | 319.7 | 3.50 | 4.00 | 3.26 | YES |
| L0007536 | 0 | 0.93070E-06 | 463235.5 | 3768749.4 | 319.6 | 3.50 | 4.00 | 3.26 | YES |
| L0007537 | 0 | 0.93070E-06 | 463235.4 | 3768740.8 | 319.5 | 3.50 | 4.00 | 3.26 | YES |
| L0007538 | 0 | 0.93070E-06 | 463235.4 | 3768732.2 | 319.4 | 3.50 | 4.00 | 3.26 | YES |
| L0007539 | 0 | 0.93070E-06 | 463235.3 | 3768723.6 | 319.3 | 3.50 | 4.00 | 3.26 | YES |
| L0007540 | 0 | 0.93070E-06 | 463235.3 | 3768715.0 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0007541 | 0 | 0.93070E-06 | 463235.2 | 3768706.4 | 319.0 | 3.50 | 4.00 | 3.26 | YES |
| L0007542 | 0 | 0.93070E-06 | 463235.2 | 3768697.8 | 318.9 | 3.50 | 4.00 | 3.26 | YES |
| L0007543 | 0 | 0.93070E-06 | 463235.1 | 3768689.2 | 318.8 | 3.50 | 4.00 | 3.26 | YES |
| L0007544 | 0 | 0.93070E-06 | 463235.1 | 3768680.6 | 318.7 | 3.50 | 4.00 | 3.26 | YES |
| L0007545 | 0 | 0.93070E-06 | 463235.0 | 3768672.0 | 318.6 | 3.50 | 4.00 | 3.26 | YES |
| L0007546 | 0 | 0.93070E-06 | 463235.0 | 3768663.5 | 318.5 | 3.50 | 4.00 | 3.26 | YES |
| L0007547 | 0 | 0.93070E-06 | 463237.2 | 3768657.1 | 318.4 | 3.50 | 4.00 | 3.26 | YES |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| L0007548 | 0 | 0.93070E-06 | 463245.8 | 3768657.1 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0007549 | 0 | 0.93070E-06 | 463254.4 | 3768657.2 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0007550 | 0 | 0.93070E-06 | 463263.0 | 3768657.2 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0007551 | 0 | 0.93070E-06 | 463271.5 | 3768657.2 | 318.4 | 3.50 | 4.00 | 3.26 | YES | |
| L0007552 | 0 | 0.93070E-06 | 463280.1 | 3768657.2 | 318.4 | 3.50 | 4.00 | 3.26 | YES | |
| L0007553 | 0 | 0.93070E-06 | 463288.7 | 3768657.2 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0007554 | 0 | 0.93070E-06 | 463297.3 | 3768657.2 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0007555 | 0 | 0.93070E-06 | 463305.9 | 3768657.2 | 318.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0007556 | 0 | 0.93070E-06 | 463314.5 | 3768657.3 | 318.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0007557 | 0 | 0.93070E-06 | 463323.1 | 3768657.3 | 318.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0007558 | 0 | 0.93070E-06 | 463331.7 | 3768657.3 | 318.1 | 3.50 | 4.00 | 3.26 | YES | |
| L0007559 | 0 | 0.93070E-06 | 463340.3 | 3768657.3 | 318.2 | 3.50 | 4.00 | 3.26 | YES | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| L0007560 | 0 | 0.93070E-06 | 463347.8 | 3768658.4 | 318.2 | 3.50 | 4.00 | 3.26 | YES |
| L0007561 | 0 | 0.93070E-06 | 463347.7 | 3768667.0 | 318.3 | 3.50 | 4.00 | 3.26 | YES |
| L0007562 | 0 | 0.93070E-06 | 463347.6 | 3768675.6 | 318.4 | 3.50 | 4.00 | 3.26 | YES |
| L0007563 | 0 | 0.93070E-06 | 463347.5 | 3768684.2 | 318.5 | 3.50 | 4.00 | 3.26 | YES |
| L0007564 | 0 | 0.93070E-06 | 463347.4 | 3768692.8 | 318.7 | 3.50 | 4.00 | 3.26 | YES |
| L0007565 | 0 | 0.93070E-06 | 463347.4 | 3768701.3 | 318.8 | 3.50 | 4.00 | 3.26 | YES |
| L0007566 | 0 | 0.93070E-06 | 463347.3 | 3768709.9 | 318.9 | 3.50 | 4.00 | 3.26 | YES |
| L0007567 | 0 | 0.93070E-06 | 463347.2 | 3768718.5 | 319.0 | 3.50 | 4.00 | 3.26 | YES |
| L0007568 | 0 | 0.93070E-06 | 463347.1 | 3768727.1 | 319.1 | 3.50 | 4.00 | 3.26 | YES |
| L0007569 | 0 | 0.93070E-06 | 463347.1 | 3768735.7 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0007570 | 0 | 0.93070E-06 | 463339.3 | 3768736.3 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0007571 | 0 | 0.93070E-06 | 463330.7 | 3768736.2 | 319.1 | 3.50 | 4.00 | 3.26 | YES |
| L0007572 | 0 | 0.93070E-06 | 463322.1 | 3768736.2 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0007573 | 0 | 0.93070E-06 | 463313.5 | 3768736.2 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0007574 | 0 | 0.93070E-06 | 463304.9 | 3768736.2 | 319.3 | 3.50 | 4.00 | 3.26 | YES |
| L0007575 | 0 | 0.93070E-06 | 463296.3 | 3768736.2 | 319.3 | 3.50 | 4.00 | 3.26 | YES |
| L0007576 | 0 | 0.93070E-06 | 463287.8 | 3768736.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES |
| L0007577 | 0 | 0.93070E-06 | 463279.2 | 3768736.1 | 319.5 | 3.50 | 4.00 | 3.26 | YES |
| L0007578 | 0 | 0.93070E-06 | 463270.6 | 3768736.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES |
| L0007579 | 0 | 0.93070E-06 | 463262.0 | 3768736.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES |
| L0007580 | 0 | 0.93070E-06 | 463253.4 | 3768736.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

| SRCGROUP ID | SOURCE IDs |
|---|---|
| ALL | L0007428 , L0007429 , L0007430 , L0007431 , L0007432 , L0007433 , L0007434 , L0007435 , |
| | L0007436 , L0007437 , L0007438 , L0007439 , L0007440 , L0007441 , L0007442 , L0007443 , |
| | L0007444 , L0007445 , L0007446 , L0007447 , L0007448 , L0007449 , L0007450 , L0007451 , |
| | L0007452 , L0007453 , L0007454 , L0007455 , L0007456 , L0007457 , L0007458 , L0007459 , |
| | L0007460 , L0007461 , L0007462 , L0007463 , L0007464 , L0007465 , L0007466 , L0007467 , |
| | L0007468 , L0007469 , L0007470 , L0007471 , L0007472 , L0007473 , L0007474 , L0007475 , |
| | L0007476 , L0007477 , L0007478 , L0007479 , L0007480 , L0007481 , L0007482 , L0007483 , |
| | L0007484 , L0007485 , L0007486 , L0007487 , L0007488 , L0007489 , L0007490 , L0007491 , |
| | L0007492 , L0007493 , L0007494 , L0007495 , L0007496 , L0007497 , L0007498 , L0007499 , |

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            L0007500    , L0007501    , L0007502    , L0007503    , L0007504    , L0007505    , L0007506    , L0007507    ,

            L0007508    , L0007509    , L0007510    , L0007511    , L0007512    , L0007513    , L0007514    , L0007515    ,

            L0007516    , L0007517    , L0007518    , L0007519    , L0007520    , L0007521    , L0007522    , L0007523    ,

            L0007524    , L0007525    , L0007526    , L0007527    , L0007528    , L0007529    , L0007530    , L0007531    ,

            L0007532    , L0007533    , L0007534    , L0007535    , L0007536    , L0007537    , L0007538    , L0007539    ,

            L0007540    , L0007541    , L0007542    , L0007543    , L0007544    , L0007545    , L0007546    , L0007547    ,

            L0007548    , L0007549    , L0007550    , L0007551    , L0007552    , L0007553    , L0007554    , L0007555    ,

            L0007556    , L0007557    , L0007558    , L0007559    , L0007560    , L0007561    , L0007562    , L0007563    ,

            L0007564    , L0007565    , L0007566    , L0007567    , L0007568    , L0007569    , L0007570    , L0007571    ,

            L0007572    , L0007573    , L0007574    , L0007575    , L0007576    , L0007577    , L0007578    , L0007579    ,

            L0007580    , STCK1       , STCK2       , STCK3       , STCK4       , STCK5       , STCK6       , STCK7       ,
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                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID                                           SOURCE IDs
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            STCK8       , STCK9       , STCK10      ,
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                                       *** SOURCE IDs DEFINED AS URBAN SOURCES ***

 URBAN ID   URBAN POP                                 SOURCE IDs
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             2035210.   L0007428    , L0007429    , L0007430    , L0007431    , L0007432    , L0007433    , L0007434    ,
L0007435    ,
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            L0007436    , L0007437    , L0007438    , L0007439    , L0007440    , L0007441    , L0007442    , L0007443    ,
            L0007444    , L0007445    , L0007446    , L0007447    , L0007448    , L0007449    , L0007450    , L0007451    ,
            L0007452    , L0007453    , L0007454    , L0007455    , L0007456    , L0007457    , L0007458    , L0007459    ,
            L0007460    , L0007461    , L0007462    , L0007463    , L0007464    , L0007465    , L0007466    , L0007467    ,
            L0007468    , L0007469    , L0007470    , L0007471    , L0007472    , L0007473    , L0007474    , L0007475    ,
            L0007476    , L0007477    , L0007478    , L0007479    , L0007480    , L0007481    , L0007482    , L0007483    ,
            L0007484    , L0007485    , L0007486    , L0007487    , L0007488    , L0007489    , L0007490    , L0007491    ,
            L0007492    , L0007493    , L0007494    , L0007495    , L0007496    , L0007497    , L0007498    , L0007499    ,
            L0007500    , L0007501    , L0007502    , L0007503    , L0007504    , L0007505    , L0007506    , L0007507    ,
            L0007508    , L0007509    , L0007510    , L0007511    , L0007512    , L0007513    , L0007514    , L0007515    ,
            L0007516    , L0007517    , L0007518    , L0007519    , L0007520    , L0007521    , L0007522    , L0007523    ,
            L0007524    , L0007525    , L0007526    , L0007527    , L0007528    , L0007529    , L0007530    , L0007531    ,
            L0007532    , L0007533    , L0007534    , L0007535    , L0007536    , L0007537    , L0007538    , L0007539    ,
            L0007540    , L0007541    , L0007542    , L0007543    , L0007544    , L0007545    , L0007546    , L0007547    ,
            L0007548    , L0007549    , L0007550    , L0007551    , L0007552    , L0007553    , L0007554    , L0007555    ,
            L0007556    , L0007557    , L0007558    , L0007559    , L0007560    , L0007561    , L0007562    , L0007563    ,
            L0007564    , L0007565    , L0007566    , L0007567    , L0007568    , L0007569    , L0007570    , L0007571    ,
            L0007572    , L0007573    , L0007574    , L0007575    , L0007576    , L0007577    , L0007578    , L0007579    ,
            L0007580    , STCK1       , STCK2       , STCK3       , STCK4       , STCK5       , STCK6       , STCK7       ,
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*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK2

| IFV | BH | BW | BL | XADJ | YADJ | IFV | BH | BW | BL | XADJ | YADJ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 2 | 3.7, | 3.5, | 3.7, | 2.4, | -2.9, |
| 3 | 3.7, | 3.8, | 3.9, | 2.8, | -2.1, | 4 | 3.7, | 4.0, | 3.9, | 3.1, | -1.3, |
| 5 | 3.7, | 4.0, | 3.9, | 3.3, | -0.4, | 6 | 3.7, | 3.9, | 3.7, | 3.4, | 0.5, |
| 7 | 3.7, | 3.8, | 3.4, | 3.4, | 1.4, | 8 | 3.7, | 3.4, | 3.0, | 3.2, | 2.2, |
| 9 | 3.7, | 3.0, | 2.7, | 2.8, | 3.0, | 10 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 11 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 12 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 13 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 14 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 15 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 16 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 17 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 18 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 19 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 20 | 3.7, | 3.5, | 3.7, | -6.1, | 2.9, |
| 21 | 3.7, | 3.8, | 3.9, | -6.7, | 2.1, | 22 | 3.7, | 4.0, | 3.9, | -7.0, | 1.3, |
| 23 | 3.7, | 4.0, | 3.9, | -7.1, | 0.4, | 24 | 3.7, | 3.9, | 3.7, | -7.1, | -0.5, |
| 25 | 3.7, | 3.8, | 3.4, | -6.8, | -1.4, | 26 | 3.7, | 3.4, | 3.0, | -6.2, | -2.2, |
| 27 | 3.7, | 3.0, | 2.7, | -5.6, | -3.0, | 28 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 29 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 30 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 31 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 32 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 33 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 34 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 35 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 36 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |

SOURCE ID: STCK10

| IFV | BH | BW | BL | XADJ | YADJ | IFV | BH | BW | BL | XADJ | YADJ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.0, | 24.5, | 37.3, | -5.4, | -11.2, | 2 | 7.0, | 29.8, | 39.2, | -4.6, | -8.7, |
| 3 | 7.0, | 34.2, | 35.6, | -1.5, | -6.0, | 4 | 7.0, | 37.5, | 27.9, | 3.2, | -3.1, |
| 5 | 7.0, | 39.8, | 23.5, | 5.7, | -0.1, | 6 | 7.0, | 40.7, | 20.8, | 6.8, | 2.9, |
| 7 | 7.0, | 40.5, | 19.2, | 6.8, | 5.8, | 8 | 7.0, | 39.0, | 18.4, | 6.0, | 8.5, |
| 9 | 7.0, | 36.8, | 18.1, | 4.2, | 11.1, | 10 | 7.0, | 39.3, | 18.4, | 2.0, | 13.2, |
| 11 | 7.0, | 40.7, | 19.4, | -1.0, | 15.0, | 12 | 7.0, | 40.9, | 21.1, | -4.5, | 16.3, |
| 13 | 7.0, | 39.8, | 23.9, | -8.8, | 17.1, | 14 | 7.0, | 37.5, | 28.5, | -14.2, | 17.4, |
| 15 | 7.0, | 34.1, | 36.9, | -21.3, | 17.2, | 16 | 7.0, | 29.6, | 38.8, | -25.2, | 16.4, |
| 17 | 7.0, | 24.2, | 37.1, | -27.1, | 15.2, | 18 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 19 | 7.0, | 24.5, | 37.3, | -31.9, | 11.2, | 20 | 7.0, | 29.8, | 39.2, | -34.6, | 8.7, |
| 21 | 7.0, | 34.2, | 35.6, | -34.1, | 6.0, | 22 | 7.0, | 37.5, | 27.9, | -31.1, | 3.1, |
| 23 | 7.0, | 39.8, | 23.5, | -29.2, | 0.1, | 24 | 7.0, | 40.7, | 20.8, | -27.6, | -2.9, |
| 25 | 7.0, | 40.5, | 19.2, | -26.1, | -5.8, | 26 | 7.0, | 39.0, | 18.4, | -24.4, | -8.5, |
| 27 | 7.0, | 36.8, | 18.1, | -22.4, | -11.1, | 28 | 7.0, | 39.3, | 18.4, | -20.4, | -13.2, |
| 29 | 7.0, | 40.7, | 19.4, | -18.4, | -15.0, | 30 | 7.0, | 40.9, | 21.1, | -16.5, | -16.3, |
| 31 | 7.0, | 39.8, | 23.9, | -15.1, | -17.1, | 32 | 7.0, | 37.5, | 28.5, | -14.4, | -17.4, |
| 33 | 7.0, | 34.1, | 36.9, | -15.6, | -17.2, | 34 | 7.0, | 29.6, | 38.8, | -13.6, | -16.4, |

```
  35    7.0,   24.2,   37.1,  -10.0,  -15.2,     36    0.0,    0.0,    0.0,    0.0,    0.0,
```



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                                    *** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

      462841.8,  462895.4,  462949.0,  463002.6,  463056.2,  463109.8,  463163.5,  463217.1,  463270.7,  463324.3,
      463377.9,  463431.5,  463485.1,  463538.7,  463592.3,  463646.0,  463699.6,  463753.2,  463806.8,  463860.4,
      463914.0,

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

     3768395.3, 3768448.2, 3768501.1, 3768554.0, 3768607.0, 3768659.9, 3768712.8, 3768765.7, 3768818.6, 3768871.5,
     3768924.5, 3768977.4, 3769030.3, 3769083.2, 3769136.1, 3769189.1, 3769242.0, 3769294.9, 3769347.8, 3769400.8,
     3769453.7,
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                                *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                          * ELEVATION HEIGHTS IN METERS *
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| Y-COORD (METERS) | X-COORD (METERS) 462841.80 | 462895.41 | 462949.02 | 463002.63 | 463056.24 | 463109.85 | 463163.46 | 463217.07 | 463270.68 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 331.50 | 331.20 | 330.50 | 330.10 | 330.00 | 329.80 | 329.80 | 329.70 | 329.70 |
| 3769400.75 | 331.10 | 330.30 | 329.90 | 329.30 | 329.00 | 329.10 | 329.50 | 329.40 | 329.40 |
| 3769347.83 | 330.50 | 329.60 | 328.90 | 328.50 | 328.20 | 328.30 | 328.60 | 328.80 | 328.80 |
| 3769294.91 | 329.70 | 329.00 | 328.10 | 327.90 | 327.60 | 327.70 | 327.80 | 328.20 | 328.40 |
| 3769241.99 | 328.80 | 328.20 | 327.60 | 327.20 | 326.90 | 326.80 | 326.90 | 327.30 | 327.50 |
| 3769189.07 | 327.60 | 327.30 | 326.70 | 326.70 | 326.10 | 325.80 | 326.00 | 326.40 | 326.70 |
| 3769136.15 | 326.70 | 326.70 | 326.10 | 326.20 | 325.60 | 325.20 | 325.40 | 325.80 | 325.90 |
| 3769083.23 | 326.30 | 326.30 | 325.80 | 325.50 | 325.10 | 324.70 | 324.60 | 324.90 | 324.90 |
| 3769030.31 | 325.90 | 325.70 | 325.30 | 324.80 | 324.60 | 324.30 | 323.80 | 323.90 | 323.70 |
| 3768977.39 | 325.50 | 325.20 | 324.90 | 324.30 | 323.90 | 324.00 | 323.20 | 322.80 | 322.70 |
| 3768924.47 | 324.20 | 324.10 | 323.60 | 323.30 | 323.20 | 323.50 | 322.80 | 322.10 | 321.90 |
| 3768871.55 | 323.40 | 323.90 | 322.50 | 322.60 | 322.60 | 323.10 | 322.30 | 321.40 | 321.20 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3768818.63 | 323.00 | 323.00 | 322.00 | 321.90 | 322.00 | 322.30 | 321.60 | 320.70 | 320.50 |
| 3768765.71 | 321.90 | 321.60 | 321.30 | 321.30 | 321.40 | 321.30 | 320.70 | 319.90 | 319.90 |
| 3768712.79 | 321.60 | 320.90 | 320.30 | 320.60 | 320.70 | 320.70 | 320.10 | 319.30 | 319.10 |
| 3768659.87 | 320.60 | 320.10 | 319.90 | 320.10 | 320.00 | 320.00 | 319.50 | 318.80 | 318.40 |
| 3768606.95 | 319.80 | 319.50 | 319.20 | 319.40 | 319.30 | 319.30 | 318.90 | 318.20 | 317.70 |
| 3768554.03 | 319.00 | 318.80 | 318.40 | 318.50 | 318.60 | 318.40 | 318.00 | 317.50 | 316.90 |
| 3768501.11 | 318.30 | 318.20 | 317.80 | 317.90 | 317.80 | 317.70 | 317.40 | 317.10 | 316.70 |
| 3768448.19 | 317.70 | 317.60 | 317.40 | 317.20 | 317.10 | 316.90 | 316.60 | 316.40 | 316.20 |
| 3768395.27 | 316.90 | 316.80 | 316.80 | 316.40 | 316.30 | 316.20 | 315.90 | 316.00 | 315.60 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 463324.29 | 463377.90 | 463431.51 | 463485.12 | 463538.73 | 463592.34 | 463645.95 | 463699.56 | 463753.17 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 329.60 | 329.00 | 329.90 | 330.00 | 329.90 | 328.80 | 327.90 | 327.40 | 327.00 |
| 3769400.75 | 329.50 | 329.20 | 329.40 | 329.60 | 329.40 | 328.10 | 327.20 | 326.80 | 325.90 |
| 3769347.83 | 328.50 | 328.50 | 329.00 | 329.10 | 329.20 | 327.60 | 326.50 | 326.10 | 325.30 |
| 3769294.91 | 327.70 | 328.00 | 328.10 | 328.00 | 327.90 | 327.00 | 325.40 | 324.80 | 324.20 |
| 3769241.99 | 327.30 | 327.50 | 327.30 | 327.40 | 327.10 | 326.20 | 325.10 | 324.50 | 324.00 |
| 3769189.07 | 326.50 | 326.70 | 326.40 | 326.80 | 326.00 | 325.10 | 323.60 | 323.60 | 323.40 |
| 3769136.15 | 325.70 | 326.10 | 325.80 | 326.30 | 325.20 | 324.50 | 322.80 | 323.00 | 322.70 |
| 3769083.23 | 325.10 | 325.20 | 325.30 | 325.70 | 324.70 | 324.10 | 322.40 | 322.40 | 322.10 |
| 3769030.31 | 324.60 | 324.70 | 324.80 | 325.20 | 324.30 | 323.70 | 322.00 | 321.90 | 321.40 |
| 3768977.39 | 323.50 | 324.20 | 324.20 | 324.50 | 323.80 | 323.10 | 321.50 | 321.20 | 320.80 |
| 3768924.47 | 322.20 | 323.30 | 323.60 | 324.00 | 324.20 | 322.70 | 321.70 | 321.00 | 320.30 |
| 3768871.55 | 321.10 | 322.10 | 323.10 | 323.40 | 323.20 | 321.70 | 320.70 | 320.10 | 319.70 |
| 3768818.63 | 320.20 | 321.00 | 322.40 | 322.50 | 322.40 | 321.50 | 320.70 | 319.80 | 319.40 |
| 3768765.71 | 319.50 | 320.60 | 321.60 | 321.30 | 321.20 | 320.80 | 320.00 | 319.30 | 318.60 |
| 3768712.79 | 318.90 | 320.00 | 320.80 | 320.80 | 320.80 | 320.20 | 319.40 | 318.90 | 318.30 |
| 3768659.87 | 318.20 | 319.00 | 320.10 | 320.10 | 320.00 | 319.60 | 319.00 | 318.40 | 317.80 |
| 3768606.95 | 317.70 | 318.20 | 319.30 | 319.40 | 319.30 | 319.10 | 317.90 | 317.40 | 317.20 |
| 3768554.03 | 316.90 | 316.80 | 318.10 | 318.70 | 318.30 | 318.40 | 317.10 | 316.60 | 316.60 |
| 3768501.11 | 316.20 | 315.80 | 316.20 | 318.00 | 317.80 | 318.00 | 316.90 | 316.40 | 316.00 |
| 3768448.19 | 315.50 | 315.00 | 314.90 | 316.90 | 317.00 | 317.30 | 316.60 | 316.20 | 315.20 |
| 3768395.27 | 314.80 | 314.40 | 314.00 | 315.70 | 316.40 | 316.40 | 316.30 | 315.60 | 314.10 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 463806.78 | 463860.39 | 463914.00 |
|---|---|---|---|
| 3769453.67 | 326.00 | 325.70 | 325.40 |
| 3769400.75 | 324.70 | 324.80 | 324.80 |
| 3769347.83 | 324.00 | 323.80 | 323.80 |
| 3769294.91 | 323.70 | 323.20 | 322.90 |
| 3769241.99 | 323.40 | 322.90 | 322.20 |
| 3769189.07 | 323.40 | 322.90 | 321.80 |
| 3769136.15 | 322.80 | 322.70 | 321.80 |
| 3769083.23 | 322.10 | 321.80 | 321.50 |
| 3769030.31 | 321.30 | 320.90 | 320.80 |
| 3768977.39 | 320.50 | 320.10 | 320.30 |
| 3768924.47 | 319.70 | 319.40 | 319.50 |
| 3768871.55 | 319.10 | 318.50 | 318.50 |
| 3768818.63 | 318.80 | 318.00 | 317.60 |
| 3768765.71 | 318.20 | 317.60 | 316.80 |
| 3768712.79 | 317.80 | 317.20 | 316.50 |
| 3768659.87 | 317.30 | 316.60 | 316.10 |
| 3768606.95 | 316.80 | 316.00 | 315.50 |
| 3768554.03 | 316.30 | 315.70 | 314.90 |
| 3768501.11 | 315.70 | 315.50 | 314.60 |
| 3768448.19 | 315.00 | 314.80 | 314.30 |
| 3768395.27 | 314.10 | 314.10 | 313.70 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 462841.80 | 462895.41 | 462949.02 | 463002.63 | 463056.24 | 463109.85 | 463163.46 | 463217.07 | 463270.68 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 331.50 | 331.20 | 330.50 | 330.10 | 330.00 | 329.80 | 329.80 | 329.70 | 329.70 |
| 3769400.75 | 331.10 | 330.30 | 329.90 | 329.30 | 329.00 | 329.10 | 329.50 | 329.40 | 329.40 |
| 3769347.83 | 330.50 | 329.60 | 328.90 | 328.50 | 328.20 | 328.30 | 328.60 | 328.80 | 328.80 |
| 3769294.91 | 329.70 | 329.00 | 328.10 | 327.90 | 327.60 | 327.70 | 327.80 | 328.20 | 328.40 |
| 3769241.99 | 328.80 | 328.20 | 327.60 | 327.20 | 326.90 | 326.80 | 326.90 | 327.30 | 327.50 |
| 3769189.07 | 327.60 | 327.30 | 326.70 | 326.70 | 326.10 | 325.80 | 326.00 | 326.40 | 326.70 |
| 3769136.15 | 326.70 | 326.70 | 326.10 | 326.20 | 325.60 | 325.20 | 325.40 | 325.80 | 325.90 |
| 3769083.23 | 326.30 | 326.30 | 325.80 | 325.50 | 325.10 | 324.70 | 324.60 | 324.90 | 324.90 |
| 3769030.31 | 325.90 | 325.70 | 325.30 | 324.80 | 324.60 | 324.30 | 323.80 | 323.90 | 323.70 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3768977.39 | 325.50 | 325.20 | 324.90 | 324.30 | 323.90 | 324.00 | 323.20 | 322.80 | 322.70 |
| 3768924.47 | 324.20 | 324.10 | 323.60 | 323.30 | 323.20 | 323.50 | 322.80 | 322.10 | 321.90 |
| 3768871.55 | 323.40 | 323.90 | 322.50 | 322.60 | 322.60 | 323.10 | 322.30 | 321.40 | 321.20 |
| 3768818.63 | 323.00 | 323.00 | 322.00 | 321.90 | 322.00 | 322.30 | 321.60 | 320.70 | 320.50 |
| 3768765.71 | 321.90 | 321.60 | 321.30 | 321.30 | 321.40 | 321.30 | 320.70 | 319.90 | 319.90 |
| 3768712.79 | 321.60 | 320.90 | 320.30 | 320.60 | 320.70 | 320.70 | 320.10 | 319.30 | 319.10 |
| 3768659.87 | 320.60 | 320.10 | 319.90 | 320.10 | 320.00 | 320.00 | 319.50 | 318.80 | 318.40 |
| 3768606.95 | 319.80 | 319.50 | 319.20 | 319.40 | 319.30 | 319.30 | 318.90 | 318.20 | 317.70 |
| 3768554.03 | 319.00 | 318.80 | 318.40 | 318.50 | 318.60 | 318.40 | 318.00 | 317.50 | 316.90 |
| 3768501.11 | 318.30 | 318.20 | 317.80 | 317.90 | 317.80 | 317.70 | 317.40 | 317.10 | 316.70 |
| 3768448.19 | 317.70 | 317.60 | 317.40 | 317.20 | 317.10 | 316.90 | 316.60 | 316.40 | 316.20 |
| 3768395.27 | 316.90 | 316.80 | 316.80 | 316.40 | 316.30 | 316.20 | 315.90 | 316.00 | 315.60 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 463324.29 | 463377.90 | 463431.51 | 463485.12 | 463538.73 | 463592.34 | 463645.95 | 463699.56 | 463753.17 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 329.60 | 329.00 | 329.90 | 330.00 | 329.90 | 328.80 | 327.90 | 327.40 | 327.00 |
| 3769400.75 | 329.50 | 329.20 | 329.40 | 329.60 | 329.40 | 328.10 | 327.20 | 326.80 | 325.90 |
| 3769347.83 | 328.50 | 328.50 | 329.00 | 329.10 | 329.20 | 327.60 | 326.50 | 326.10 | 325.30 |
| 3769294.91 | 327.70 | 328.00 | 328.10 | 328.00 | 327.90 | 327.00 | 325.40 | 324.80 | 324.20 |
| 3769241.99 | 327.30 | 327.50 | 327.30 | 327.40 | 327.10 | 326.20 | 325.10 | 324.50 | 324.00 |
| 3769189.07 | 326.50 | 326.70 | 326.40 | 326.80 | 326.00 | 325.10 | 323.60 | 323.60 | 323.40 |
| 3769136.15 | 325.70 | 326.10 | 325.80 | 326.30 | 325.20 | 324.50 | 322.80 | 323.00 | 322.70 |
| 3769083.23 | 325.10 | 325.20 | 325.30 | 325.70 | 324.70 | 324.10 | 322.40 | 322.40 | 322.10 |
| 3769030.31 | 324.60 | 324.70 | 324.80 | 325.20 | 324.30 | 323.70 | 322.00 | 321.90 | 321.40 |
| 3768977.39 | 323.50 | 324.20 | 324.20 | 324.50 | 323.80 | 323.10 | 321.50 | 321.20 | 320.80 |
| 3768924.47 | 322.20 | 323.30 | 323.60 | 324.00 | 324.20 | 322.70 | 321.70 | 321.00 | 320.30 |
| 3768871.55 | 321.10 | 322.10 | 323.10 | 323.40 | 323.20 | 321.70 | 320.70 | 320.10 | 319.70 |
| 3768818.63 | 320.20 | 321.00 | 322.40 | 322.50 | 322.40 | 321.50 | 320.70 | 319.80 | 319.40 |
| 3768765.71 | 319.50 | 320.60 | 321.60 | 321.30 | 321.20 | 320.80 | 320.00 | 319.30 | 318.60 |
| 3768712.79 | 318.90 | 320.00 | 320.80 | 320.80 | 320.80 | 320.20 | 319.40 | 318.90 | 318.30 |
| 3768659.87 | 318.20 | 319.00 | 320.10 | 320.10 | 320.00 | 319.60 | 319.00 | 318.40 | 317.80 |
| 3768606.95 | 317.70 | 318.20 | 319.30 | 319.40 | 319.30 | 319.10 | 317.90 | 317.40 | 317.20 |
| 3768554.03 | 316.90 | 316.80 | 318.10 | 318.70 | 318.30 | 318.40 | 317.10 | 316.60 | 316.60 |
| 3768501.11 | 316.20 | 315.80 | 316.20 | 318.00 | 317.80 | 318.00 | 316.90 | 316.40 | 316.00 |
| 3768448.19 | 315.50 | 315.00 | 314.90 | 316.90 | 317.00 | 317.30 | 316.60 | 316.20 | 315.20 |
| 3768395.27 | 314.80 | 314.40 | 314.00 | 315.70 | 316.40 | 316.40 | 316.30 | 315.60 | 314.10 |

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

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 463806.78 | 463860.39 | 463914.00 |
|---|---|---|---|
| 3769453.67 | 326.00 | 325.70 | 325.40 |
| 3769400.75 | 324.70 | 324.80 | 324.80 |
| 3769347.83 | 324.00 | 323.80 | 323.80 |
| 3769294.91 | 323.70 | 323.20 | 322.90 |
| 3769241.99 | 323.40 | 322.90 | 322.20 |
| 3769189.07 | 323.40 | 322.90 | 321.80 |
| 3769136.15 | 322.80 | 322.70 | 321.80 |
| 3769083.23 | 322.10 | 321.80 | 321.50 |
| 3769030.31 | 321.30 | 320.90 | 320.80 |
| 3768977.39 | 320.50 | 320.10 | 320.30 |
| 3768924.47 | 319.70 | 319.40 | 319.50 |
| 3768871.55 | 319.10 | 318.50 | 318.50 |
| 3768818.63 | 318.80 | 318.00 | 317.60 |
| 3768765.71 | 318.20 | 317.60 | 316.80 |
| 3768712.79 | 317.80 | 317.20 | 316.50 |
| 3768659.87 | 317.30 | 316.60 | 316.10 |
| 3768606.95 | 316.80 | 316.00 | 315.50 |
| 3768554.03 | 316.30 | 315.70 | 314.90 |
| 3768501.11 | 315.70 | 315.50 | 314.60 |
| 3768448.19 | 315.00 | 314.80 | 314.30 |
| 3768395.27 | 314.10 | 314.10 | 313.70 |





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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ( 463254.2, | 3768833.6, | 320.7, | 320.7, | 0.0); | ( 463393.1, | 3768834.1, | 321.8, | 321.8, | 0.0); |
| ( 463394.8, | 3768875.6, | 322.7, | 322.7, | 0.0); | ( 463431.0, | 3769285.9, | 328.0, | 328.0, | 0.0); |
| ( 463500.5, | 3769068.7, | 325.8, | 325.8, | 0.0); | ( 463480.0, | 3768844.4, | 323.2, | 323.2, | 0.0); |
| ( 463443.5, | 3768760.5, | 321.4, | 321.4, | 0.0); | ( 463430.2, | 3768626.9, | 319.6, | 319.6, | 0.0); |
| ( 463263.2, | 3768577.4, | 317.1, | 317.1, | 0.0); | ( 463191.5, | 3768499.3, | 317.2, | 317.2, | 0.0); |
| ( 463093.3, | 3768680.6, | 320.2, | 320.2, | 0.0); | | | | | |

```
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


                          SOURCE          - - RECEPTOR LOCATION - -         DISTANCE
                            ID           XR (METERS)   YR (METERS)         (METERS)
                        - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                         L0007550            463270.7     3768659.9            -0.41
                         L0007551            463270.7     3768659.9            -5.78
                         L0007557            463324.3     3768659.9            -5.74
                         L0007558            463324.3     3768659.9            -0.77

*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                    ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations 2022-23 Rev-1                                  ***        12:19:11
                                                                                                                     PAGE  21
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

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


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

                                                 1.54,   3.09,   5.14,   8.23,  10.80,

*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                    ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations 2022-23 Rev-1                                  ***        12:19:11
                                                                                                                     PAGE  22
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

  Surface file:   E:\New MET data\FONT_V9_ADJU\FONT_v9.SFC                                    Met Version:  16216
  Profile file:   E:\New MET data\FONT_V9_ADJU\FONT_v9.PFL
  Surface format: FREE
```

Profile format: FREE
Surface station no.: 3102 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2011 Year: 2011

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 01 | 01 | 1 | 01 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 204. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 69. | 9.1 | 276.4 | 5.5 |
| 11 | 01 | 01 | 1 | 02 | -23.8 | 0.239 | -9.000 | -9.000 | -999. | 281. | 63.0 | 0.25 | 2.82 | 1.00 | 2.20 | 52. | 9.1 | 275.4 | 5.5 |
| 11 | 01 | 01 | 1 | 03 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 205. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 32. | 9.1 | 275.4 | 5.5 |
| 11 | 01 | 01 | 1 | 04 | -1.4 | 0.067 | -9.000 | -9.000 | -999. | 57. | 18.3 | 0.25 | 2.82 | 1.00 | 0.40 | 27. | 9.1 | 274.2 | 5.5 |
| 11 | 01 | 01 | 1 | 05 | -18.6 | 0.194 | -9.000 | -9.000 | -999. | 204. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 51. | 9.1 | 274.2 | 5.5 |
| 11 | 01 | 01 | 1 | 06 | -29.7 | 0.296 | -9.000 | -9.000 | -999. | 387. | 96.6 | 0.25 | 2.82 | 1.00 | 2.70 | 53. | 9.1 | 274.2 | 5.5 |
| 11 | 01 | 01 | 1 | 07 | -24.0 | 0.239 | -9.000 | -9.000 | -999. | 282. | 63.0 | 0.25 | 2.82 | 1.00 | 2.20 | 70. | 9.1 | 274.2 | 5.5 |
| 11 | 01 | 01 | 1 | 08 | -8.4 | 0.138 | -9.000 | -9.000 | -999. | 127. | 27.3 | 0.25 | 2.82 | 0.54 | 1.30 | 72. | 9.1 | 275.4 | 5.5 |
| 11 | 01 | 01 | 1 | 09 | 44.3 | 0.280 | 0.571 | 0.005 | 147. | 356. | -43.5 | 0.25 | 2.82 | 0.32 | 2.20 | 67. | 9.1 | 277.5 | 5.5 |
| 11 | 01 | 01 | 1 | 10 | 122.7 | 0.264 | 0.952 | 0.005 | 247. | 326. | -13.2 | 0.25 | 2.82 | 0.25 | 1.80 | 83. | 9.1 | 279.9 | 5.5 |
| 11 | 01 | 01 | 1 | 11 | 179.8 | 0.316 | 1.733 | 0.005 | 1017. | 426. | -15.4 | 0.25 | 2.82 | 0.22 | 2.20 | 58. | 9.1 | 282.0 | 5.5 |
| 11 | 01 | 01 | 1 | 12 | 206.0 | 0.320 | 1.940 | 0.008 | 1244. | 435. | -14.0 | 0.25 | 2.82 | 0.21 | 2.20 | 115. | 9.1 | 283.1 | 5.5 |
| 11 | 01 | 01 | 1 | 13 | 132.6 | 0.214 | 1.733 | 0.009 | 1377. | 243. | -6.5 | 0.25 | 2.82 | 0.21 | 1.30 | 147. | 9.1 | 284.2 | 5.5 |
| 11 | 01 | 01 | 1 | 14 | 147.0 | 0.216 | 1.818 | 0.009 | 1431. | 242. | -6.0 | 0.25 | 2.82 | 0.23 | 1.30 | 219. | 9.1 | 284.9 | 5.5 |
| 11 | 01 | 01 | 1 | 15 | 104.0 | 0.208 | 1.633 | 0.009 | 1468. | 228. | -7.6 | 0.25 | 2.82 | 0.26 | 1.30 | 126. | 9.1 | 285.4 | 5.5 |
| 11 | 01 | 01 | 1 | 16 | 26.4 | 0.140 | 1.037 | 0.009 | 1477. | 127. | -9.1 | 0.25 | 2.82 | 0.35 | 0.90 | 151. | 9.1 | 284.9 | 5.5 |
| 11 | 01 | 01 | 1 | 17 | -9.0 | 0.137 | -9.000 | -9.000 | -999. | 121. | 24.9 | 0.25 | 2.82 | 0.63 | 1.30 | 69. | 9.1 | 283.1 | 5.5 |
| 11 | 01 | 01 | 1 | 18 | -33.4 | 0.342 | -9.000 | -9.000 | -999. | 481. | 129.0 | 0.25 | 2.82 | 1.00 | 3.10 | 81. | 9.1 | 281.4 | 5.5 |
| 11 | 01 | 01 | 1 | 19 | -33.6 | 0.342 | -9.000 | -9.000 | -999. | 481. | 128.9 | 0.25 | 2.82 | 1.00 | 3.10 | 51. | 9.1 | 279.9 | 5.5 |
| 11 | 01 | 01 | 1 | 20 | -23.6 | 0.239 | -9.000 | -9.000 | -999. | 287. | 63.1 | 0.25 | 2.82 | 1.00 | 2.20 | 77. | 9.1 | 278.8 | 5.5 |
| 11 | 01 | 01 | 1 | 21 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 205. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 53. | 9.1 | 277.5 | 5.5 |
| 11 | 01 | 01 | 1 | 22 | -23.7 | 0.239 | -9.000 | -9.000 | -999. | 281. | 63.0 | 0.25 | 2.82 | 1.00 | 2.20 | 58. | 9.1 | 277.5 | 5.5 |
| 11 | 01 | 01 | 1 | 23 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 205. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 64. | 9.1 | 277.5 | 5.5 |
| 11 | 01 | 01 | 1 | 24 | -4.5 | 0.094 | -9.000 | -9.000 | -999. | 74. | 16.3 | 0.25 | 2.82 | 1.00 | 0.90 | 52. | 9.1 | 277.0 | 5.5 |

First hour of profile data

| YR | MO | DY | HR | HEIGHT | F | WDIR | WSPD | AMB_TMP | sigmaA | sigmaW | sigmaV |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 01 | 01 | 01 | 5.5 | 0 | -999. | -99.00 | 276.5 | 99.0 | -99.00 | -99.00 |
| 11 | 01 | 01 | 01 | 9.1 | 1 | 69. | 1.80 | -999.0 | 99.0 | -99.00 | -99.00 |

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

*** AERMOD - VERSION 21112 *** *** 19349 Bloomington Truck Storage *** 10/15/21
*** AERMET - VERSION 16216 *** *** DPM Concentrations 2022-23 Rev-1 *** 12:19:11
PAGE 23

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0007428 , L0007429 , L0007430 , L0007431 , L0007432 ,
L0007433 , L0007434 , L0007435 , L0007436 , L0007437 , L0007438 , L0007439 , L0007440 ,
L0007441 , L0007442 , L0007443 , L0007444 , L0007445 , L0007446 , L0007447 , L0007448 ,
L0007449 , L0007450 , L0007451 , L0007452 , L0007453 , L0007454 , L0007455 , . . . ,

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

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

| Y-COORD (METERS) | X-COORD (METERS) 462841.80 | 462895.41 | 462949.02 | 463002.63 | 463056.24 | 463109.85 | 463163.46 | 463217.07 | 463270.68 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 0.00023 | 0.00025 | 0.00028 | 0.00031 | 0.00034 | 0.00038 | 0.00042 | 0.00048 | 0.00057 |
| 3769400.75 | 0.00025 | 0.00028 | 0.00031 | 0.00035 | 0.00039 | 0.00043 | 0.00048 | 0.00057 | 0.00070 |
| 3769347.83 | 0.00027 | 0.00031 | 0.00035 | 0.00039 | 0.00044 | 0.00049 | 0.00056 | 0.00066 | 0.00084 |
| 3769294.91 | 0.00031 | 0.00034 | 0.00039 | 0.00044 | 0.00049 | 0.00056 | 0.00064 | 0.00076 | 0.00097 |
| 3769241.99 | 0.00034 | 0.00038 | 0.00044 | 0.00049 | 0.00056 | 0.00064 | 0.00073 | 0.00087 | 0.00109 |
| 3769189.07 | 0.00038 | 0.00043 | 0.00049 | 0.00055 | 0.00063 | 0.00073 | 0.00084 | 0.00099 | 0.00122 |
| 3769136.15 | 0.00042 | 0.00047 | 0.00055 | 0.00062 | 0.00072 | 0.00084 | 0.00096 | 0.00112 | 0.00138 |
| 3769083.23 | 0.00046 | 0.00052 | 0.00061 | 0.00070 | 0.00084 | 0.00099 | 0.00116 | 0.00134 | 0.00161 |
| 3769030.31 | 0.00050 | 0.00058 | 0.00068 | 0.00082 | 0.00098 | 0.00119 | 0.00144 | 0.00168 | 0.00200 |
| 3768977.39 | 0.00054 | 0.00064 | 0.00077 | 0.00096 | 0.00119 | 0.00145 | 0.00179 | 0.00216 | 0.00254 |
| 3768924.47 | 0.00062 | 0.00074 | 0.00091 | 0.00113 | 0.00142 | 0.00178 | 0.00234 | 0.00295 | 0.00352 |
| 3768871.55 | 0.00068 | 0.00080 | 0.00102 | 0.00128 | 0.00167 | 0.00224 | 0.00321 | 0.00470 | 0.00592 |
| 3768818.63 | 0.00072 | 0.00087 | 0.00110 | 0.00141 | 0.00190 | 0.00273 | 0.00450 | 0.01114 | 0.01622 |
| 3768765.71 | 0.00075 | 0.00091 | 0.00115 | 0.00150 | 0.00207 | 0.00312 | 0.00555 | 0.01534 | 0.02263 |
| 3768712.79 | 0.00075 | 0.00093 | 0.00118 | 0.00154 | 0.00214 | 0.00326 | 0.00583 | 0.01486 | 0.02034 |
| 3768659.87 | 0.00075 | 0.00092 | 0.00116 | 0.00151 | 0.00209 | 0.00312 | 0.00540 | 0.01469 | 0.02354 |
| 3768606.95 | 0.00074 | 0.00090 | 0.00112 | 0.00143 | 0.00192 | 0.00273 | 0.00421 | 0.00727 | 0.00915 |
| 3768554.03 | 0.00071 | 0.00085 | 0.00104 | 0.00131 | 0.00169 | 0.00224 | 0.00301 | 0.00390 | 0.00463 |
| 3768501.11 | 0.00068 | 0.00080 | 0.00096 | 0.00117 | 0.00145 | 0.00180 | 0.00220 | 0.00264 | 0.00302 |
| 3768448.19 | 0.00063 | 0.00074 | 0.00087 | 0.00103 | 0.00123 | 0.00145 | 0.00170 | 0.00195 | 0.00210 |
| 3768395.27 | 0.00059 | 0.00068 | 0.00078 | 0.00090 | 0.00104 | 0.00119 | 0.00134 | 0.00148 | 0.00152 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0007428 , L0007429 , L0007430 , L0007431 , L0007432 ,
L0007433 , L0007434 , L0007435 , L0007436 , L0007437 , L0007438 , L0007439 , L0007440 ,
L0007441 , L0007442 , L0007443 , L0007444 , L0007445 , L0007446 , L0007447 , L0007448 ,
L0007449 , L0007450 , L0007451 , L0007452 , L0007453 , L0007454 , L0007455 , . . . ,

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

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

| Y-COORD (METERS) | X-COORD (METERS) 463324.29 | 463377.90 | 463431.51 | 463485.12 | 463538.73 | 463592.34 | 463645.95 | 463699.56 | 463753.17 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 0.00072 | 0.00099 | 0.00115 | 0.00092 | 0.00074 | 0.00063 | 0.00057 | 0.00052 | 0.00048 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3769400.75 | 0.00098 | 0.00202 | 0.00416 | 0.00142 | 0.00095 | 0.00076 | 0.00066 | 0.00060 | 0.00055 |
| 3769347.83 | 0.00124 | 0.00272 | 0.00530 | 0.00178 | 0.00113 | 0.00089 | 0.00076 | 0.00068 | 0.00062 |
| 3769294.91 | 0.00142 | 0.00299 | 0.00559 | 0.00199 | 0.00129 | 0.00101 | 0.00086 | 0.00076 | 0.00069 |
| 3769241.99 | 0.00157 | 0.00315 | 0.00580 | 0.00215 | 0.00143 | 0.00113 | 0.00096 | 0.00085 | 0.00076 |
| 3769189.07 | 0.00171 | 0.00329 | 0.00598 | 0.00231 | 0.00157 | 0.00126 | 0.00107 | 0.00094 | 0.00084 |
| 3769136.15 | 0.00188 | 0.00345 | 0.00620 | 0.00248 | 0.00174 | 0.00141 | 0.00120 | 0.00105 | 0.00093 |
| 3769083.23 | 0.00210 | 0.00367 | 0.00646 | 0.00271 | 0.00195 | 0.00159 | 0.00134 | 0.00117 | 0.00102 |
| 3769030.31 | 0.00242 | 0.00398 | 0.00680 | 0.00302 | 0.00221 | 0.00181 | 0.00152 | 0.00130 | 0.00112 |
| 3768977.39 | 0.00303 | 0.00452 | 0.00732 | 0.00346 | 0.00258 | 0.00208 | 0.00172 | 0.00145 | 0.00122 |
| 3768924.47 | 0.00408 | 0.00547 | 0.00818 | 0.00411 | 0.00309 | 0.00242 | 0.00196 | 0.00160 | 0.00130 |
| 3768871.55 | 0.00644 | 0.00740 | 0.00964 | 0.00504 | 0.00364 | 0.00278 | 0.00216 | 0.00170 | 0.00136 |
| 3768818.63 | 0.01355 | 0.01187 | 0.01193 | 0.00615 | 0.00425 | 0.00308 | 0.00229 | 0.00174 | 0.00135 |
| 3768765.71 | 0.03405 | 0.02614 | 0.01481 | 0.00710 | 0.00454 | 0.00310 | 0.00223 | 0.00166 | 0.00128 |
| 3768712.79 | 0.02564 | 0.02088 | 0.01255 | 0.00663 | 0.00402 | 0.00273 | 0.00197 | 0.00149 | 0.00117 |
| 3768659.87 | 0.01941 | 0.02771 | 0.00757 | 0.00446 | 0.00300 | 0.00217 | 0.00164 | 0.00128 | 0.00103 |
| 3768606.95 | 0.00912 | 0.00706 | 0.00462 | 0.00314 | 0.00227 | 0.00173 | 0.00136 | 0.00110 | 0.00091 |
| 3768554.03 | 0.00499 | 0.00372 | 0.00304 | 0.00231 | 0.00180 | 0.00142 | 0.00115 | 0.00095 | 0.00080 |
| 3768501.11 | 0.00302 | 0.00240 | 0.00211 | 0.00177 | 0.00143 | 0.00119 | 0.00099 | 0.00083 | 0.00071 |
| 3768448.19 | 0.00202 | 0.00170 | 0.00155 | 0.00137 | 0.00117 | 0.00099 | 0.00085 | 0.00073 | 0.00063 |
| 3768395.27 | 0.00144 | 0.00128 | 0.00119 | 0.00108 | 0.00096 | 0.00084 | 0.00073 | 0.00064 | 0.00056 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0007428 , L0007429 , L0007430 , L0007431 , L0007432 ,
L0007433 , L0007434 , L0007435 , L0007436 , L0007437 , L0007438 , L0007439 , L0007440 ,
L0007441 , L0007442 , L0007443 , L0007444 , L0007445 , L0007446 , L0007447 , L0007448 ,
L0007449 , L0007450 , L0007451 , L0007452 , L0007453 , L0007454 , L0007455 , . . . ,

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

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

| Y-COORD (METERS) | X-COORD (METERS) 463806.78 | 463860.39 | 463914.00 |
|---|---|---|---|
| 3769453.67 | 0.00046 | 0.00044 | 0.00042 |
| 3769400.75 | 0.00052 | 0.00049 | 0.00046 |
| 3769347.83 | 0.00057 | 0.00053 | 0.00049 |
| 3769294.91 | 0.00063 | 0.00058 | 0.00053 |
| 3769241.99 | 0.00069 | 0.00063 | 0.00057 |
| 3769189.07 | 0.00076 | 0.00068 | 0.00062 |
| 3769136.15 | 0.00083 | 0.00074 | 0.00066 |
| 3769083.23 | 0.00090 | 0.00080 | 0.00071 |
| 3769030.31 | 0.00097 | 0.00084 | 0.00074 |
| 3768977.39 | 0.00103 | 0.00088 | 0.00076 |
| 3768924.47 | 0.00108 | 0.00091 | 0.00077 |

```
 3768871.55 |       0.00110      0.00091      0.00077
 3768818.63 |       0.00108      0.00089      0.00074
 3768765.71 |       0.00103      0.00084      0.00071
 3768712.79 |       0.00094      0.00078      0.00066
 3768659.87 |       0.00085      0.00071      0.00061
 3768606.95 |       0.00076      0.00065      0.00056
 3768554.03 |       0.00068      0.00059      0.00051
 3768501.11 |       0.00061      0.00054      0.00047
 3768448.19 |       0.00055      0.00049      0.00044
 3768395.27 |       0.00050      0.00045      0.00040
```



```
                         *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL      ***
                             INCLUDING SOURCE(S):     L0007428    , L0007429    , L0007430    , L0007431    , L0007432    ,
               L0007433    , L0007434    , L0007435    , L0007436    , L0007437    , L0007438    , L0007439    , L0007440    ,
               L0007441    , L0007442    , L0007443    , L0007444    , L0007445    , L0007446    , L0007447    , L0007448    ,
               L0007449    , L0007450    , L0007451    , L0007452    , L0007453    , L0007454    , L0007455    ,  . . .      ,

                                        *** 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        463254.19    3768833.64        0.01157                     463393.14    3768834.12        0.01097
        463394.80    3768875.62        0.00864                     463430.97    3769285.89        0.00574
        463500.45    3769068.72        0.00248                     463479.95    3768844.42        0.00583
        463443.46    3768760.52        0.01176                     463430.19    3768626.86        0.00558
        463263.21    3768577.44        0.00581                     463191.53    3768499.27        0.00241
        463093.30    3768680.58        0.00279
```



```
                                   *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***


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

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

ALL       1ST HIGHEST VALUE IS       0.03405 AT (  463324.29,  3768765.71,   319.50,   319.50,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS       0.02771 AT (  463377.90,  3768659.87,   319.00,   319.00,    0.00)  GC  UCART1
```

```
         3RD HIGHEST VALUE IS       0.02614 AT (  463377.90,  3768765.71,   320.60,   320.60,    0.00)  GC  UCART1
         4TH HIGHEST VALUE IS       0.02564 AT (  463324.29,  3768712.79,   318.90,   318.90,    0.00)  GC  UCART1
         5TH HIGHEST VALUE IS       0.02354 AT (  463270.68,  3768659.87,   318.40,   318.40,    0.00)  GC  UCART1
         6TH HIGHEST VALUE IS       0.02263 AT (  463270.68,  3768765.71,   319.90,   319.90,    0.00)  GC  UCART1
         7TH HIGHEST VALUE IS       0.02088 AT (  463377.90,  3768712.79,   320.00,   320.00,    0.00)  GC  UCART1
         8TH HIGHEST VALUE IS       0.02034 AT (  463270.68,  3768712.79,   319.10,   319.10,    0.00)  GC  UCART1
         9TH HIGHEST VALUE IS       0.01941 AT (  463324.29,  3768659.87,   318.20,   318.20,    0.00)  GC  UCART1
        10TH HIGHEST VALUE IS       0.01622 AT (  463270.68,  3768818.63,   320.50,   320.50,    0.00)  GC  UCART1


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

*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                    ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations 2022-23 Rev-1                                  ***        12:19:11
                                                                                                                     PAGE  28
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

A Total of            0 Fatal Error Message(s)
A Total of           12 Warning Message(s)
A Total of          838 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of           40 Calm Hours Identified

A Total of          798 Missing Hours Identified (  1.82 Percent)


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


   ********   WARNING MESSAGES   ********
SO W320     408        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     410        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     412        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     414        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     416        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
ME W186     795       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used           0.50
ME W187     795       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12010216
MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12042516
MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =                    12113003
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:      15010101
```

```
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:    1 year gap

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

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.1
** Lakes Environmental Software Inc.
** Date: 10/15/2021
** File: C:\Lakes\AERMOD View\19394 Bloomington Truck Storage 2024-2037 rev 1\19394 Bloomington Truck Storage 2024-2037 rev 1.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE 19349 Bloomington Truck Storage
   TITLETWO DPM Concentrations 2024-2037 Rev-1
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2035210 County_of_San_Bernardino
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "19394 Bloomington Truck Storage 2024-2037 rev 1.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 Cedar Avenue, Project Driveway toward I-10 Freeway
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.0000227
** Elevated
** Vertical Dimension = 7.00
** SZINIT = 1.63
** Nodes = 2
** 463416.235, 3768744.921, 321.08, 3.50, 4.00
** 463414.315, 3769418.372, 329.50, 3.50, 4.00
```

```
** ------------------------------------------------------------------
   LOCATION L0008150     VOLUME   463416.223 3768749.217 321.27
   LOCATION L0008151     VOLUME   463416.198 3768757.807 321.40
   LOCATION L0008152     VOLUME   463416.174 3768766.398 321.54
   LOCATION L0008153     VOLUME   463416.149 3768774.989 321.66
   LOCATION L0008154     VOLUME   463416.125 3768783.580 321.78
   LOCATION L0008155     VOLUME   463416.100 3768792.170 321.90
   LOCATION L0008156     VOLUME   463416.076 3768800.761 322.02
   LOCATION L0008157     VOLUME   463416.051 3768809.352 322.13
   LOCATION L0008158     VOLUME   463416.027 3768817.943 322.24
   LOCATION L0008159     VOLUME   463416.002 3768826.533 322.34
   LOCATION L0008160     VOLUME   463415.978 3768835.124 322.45
   LOCATION L0008161     VOLUME   463415.953 3768843.715 322.58
   LOCATION L0008162     VOLUME   463415.929 3768852.306 322.71
   LOCATION L0008163     VOLUME   463415.904 3768860.897 322.83
   LOCATION L0008164     VOLUME   463415.880 3768869.487 322.96
   LOCATION L0008165     VOLUME   463415.855 3768878.078 323.09
   LOCATION L0008166     VOLUME   463415.831 3768886.669 323.21
   LOCATION L0008167     VOLUME   463415.806 3768895.260 323.34
   LOCATION L0008168     VOLUME   463415.782 3768903.850 323.43
   LOCATION L0008169     VOLUME   463415.757 3768912.441 323.53
   LOCATION L0008170     VOLUME   463415.733 3768921.032 323.62
   LOCATION L0008171     VOLUME   463415.708 3768929.623 323.72
   LOCATION L0008172     VOLUME   463415.684 3768938.213 323.83
   LOCATION L0008173     VOLUME   463415.659 3768946.804 323.93
   LOCATION L0008174     VOLUME   463415.635 3768955.395 324.03
   LOCATION L0008175     VOLUME   463415.610 3768963.986 324.13
   LOCATION L0008176     VOLUME   463415.586 3768972.576 324.22
   LOCATION L0008177     VOLUME   463415.561 3768981.167 324.31
   LOCATION L0008178     VOLUME   463415.537 3768989.758 324.40
   LOCATION L0008179     VOLUME   463415.512 3768998.349 324.48
   LOCATION L0008180     VOLUME   463415.488 3769006.940 324.56
   LOCATION L0008181     VOLUME   463415.463 3769015.530 324.64
   LOCATION L0008182     VOLUME   463415.439 3769024.121 324.70
   LOCATION L0008183     VOLUME   463415.414 3769032.712 324.77
   LOCATION L0008184     VOLUME   463415.390 3769041.303 324.83
   LOCATION L0008185     VOLUME   463415.365 3769049.893 324.89
   LOCATION L0008186     VOLUME   463415.341 3769058.484 324.97
   LOCATION L0008187     VOLUME   463415.316 3769067.075 325.04
   LOCATION L0008188     VOLUME   463415.292 3769075.666 325.12
   LOCATION L0008189     VOLUME   463415.267 3769084.256 325.20
   LOCATION L0008190     VOLUME   463415.243 3769092.847 325.29
   LOCATION L0008191     VOLUME   463415.218 3769101.438 325.39
   LOCATION L0008192     VOLUME   463415.194 3769110.029 325.48
   LOCATION L0008193     VOLUME   463415.169 3769118.619 325.57
   LOCATION L0008194     VOLUME   463415.145 3769127.210 325.67
   LOCATION L0008195     VOLUME   463415.121 3769135.801 325.77
   LOCATION L0008196     VOLUME   463415.096 3769144.392 325.87
   LOCATION L0008197     VOLUME   463415.072 3769152.983 325.96
   LOCATION L0008198     VOLUME   463415.047 3769161.573 326.06
   LOCATION L0008199     VOLUME   463415.023 3769170.164 326.16
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   LOCATION L0008200     VOLUME   463414.998 3769178.755 326.28
   LOCATION L0008201     VOLUME   463414.974 3769187.346 326.41
   LOCATION L0008202     VOLUME   463414.949 3769195.936 326.53
   LOCATION L0008203     VOLUME   463414.925 3769204.527 326.67
   LOCATION L0008204     VOLUME   463414.900 3769213.118 326.80
   LOCATION L0008205     VOLUME   463414.876 3769221.709 326.94
   LOCATION L0008206     VOLUME   463414.851 3769230.299 327.08
   LOCATION L0008207     VOLUME   463414.827 3769238.890 327.23
   LOCATION L0008208     VOLUME   463414.802 3769247.481 327.39
   LOCATION L0008209     VOLUME   463414.778 3769256.072 327.56
   LOCATION L0008210     VOLUME   463414.753 3769264.662 327.72
   LOCATION L0008211     VOLUME   463414.729 3769273.253 327.84
   LOCATION L0008212     VOLUME   463414.704 3769281.844 327.97
   LOCATION L0008213     VOLUME   463414.680 3769290.435 328.09
   LOCATION L0008214     VOLUME   463414.655 3769299.026 328.21
   LOCATION L0008215     VOLUME   463414.631 3769307.616 328.31
   LOCATION L0008216     VOLUME   463414.606 3769316.207 328.42
   LOCATION L0008217     VOLUME   463414.582 3769324.798 328.53
   LOCATION L0008218     VOLUME   463414.557 3769333.389 328.63
   LOCATION L0008219     VOLUME   463414.533 3769341.979 328.74
   LOCATION L0008220     VOLUME   463414.508 3769350.570 328.84
   LOCATION L0008221     VOLUME   463414.484 3769359.161 328.94
   LOCATION L0008222     VOLUME   463414.459 3769367.752 329.02
   LOCATION L0008223     VOLUME   463414.435 3769376.342 329.11
   LOCATION L0008224     VOLUME   463414.410 3769384.933 329.19
   LOCATION L0008225     VOLUME   463414.386 3769393.524 329.27
   LOCATION L0008226     VOLUME   463414.361 3769402.115 329.36
   LOCATION L0008227     VOLUME   463414.337 3769410.705 329.44
** End of LINE VOLUME Source ID = SLINE1
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC On-Site Truck Travel from Project Driveway to Truck Spaces
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.0000284
** Elevated
** Building Height = 7.01
** SZINIT = 3.26
** Nodes = 10
** 463412.175, 3768746.397, 321.09, 3.50, 4.00
** 463336.045, 3768745.986, 319.18, 3.50, 4.00
** 463335.445, 3768790.874, 319.76, 3.50, 4.00
** 463235.736, 3768790.651, 320.21, 3.50, 4.00
** 463234.933, 3768657.116, 318.52, 3.50, 4.00
** 463347.785, 3768657.317, 318.15, 3.50, 4.00
** 463347.040, 3768733.020, 319.20, 3.50, 4.00
** 463347.117, 3768736.467, 319.22, 3.50, 4.00
** 463345.547, 3768736.284, 319.21, 3.50, 4.00
** 463246.178, 3768736.032, 319.50, 3.50, 4.00
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** ----------------------------------------------------------------------
   LOCATION L0008228     VOLUME   463407.880 3768746.374 321.21
   LOCATION L0008229     VOLUME   463399.289 3768746.327 321.03
   LOCATION L0008230     VOLUME   463390.699 3768746.281 320.83
   LOCATION L0008231     VOLUME   463382.108 3768746.234 320.63
   LOCATION L0008232     VOLUME   463373.517 3768746.188 320.22
   LOCATION L0008233     VOLUME   463364.927 3768746.142 319.79
   LOCATION L0008234     VOLUME   463356.336 3768746.095 319.36
   LOCATION L0008235     VOLUME   463347.745 3768746.049 319.29
   LOCATION L0008236     VOLUME   463339.155 3768746.002 319.25
   LOCATION L0008237     VOLUME   463335.972 3768751.466 319.30
   LOCATION L0008238     VOLUME   463335.857 3768760.056 319.38
   LOCATION L0008239     VOLUME   463335.742 3768768.646 319.47
   LOCATION L0008240     VOLUME   463335.627 3768777.236 319.56
   LOCATION L0008241     VOLUME   463335.512 3768785.826 319.67
   LOCATION L0008242     VOLUME   463331.902 3768790.866 319.72
   LOCATION L0008243     VOLUME   463323.312 3768790.847 319.77
   LOCATION L0008244     VOLUME   463314.721 3768790.828 319.84
   LOCATION L0008245     VOLUME   463306.130 3768790.808 319.91
   LOCATION L0008246     VOLUME   463297.539 3768790.789 319.99
   LOCATION L0008247     VOLUME   463288.948 3768790.770 320.08
   LOCATION L0008248     VOLUME   463280.358 3768790.751 320.16
   LOCATION L0008249     VOLUME   463271.767 3768790.732 320.17
   LOCATION L0008250     VOLUME   463263.176 3768790.713 320.17
   LOCATION L0008251     VOLUME   463254.585 3768790.693 320.16
   LOCATION L0008252     VOLUME   463245.995 3768790.674 320.16
   LOCATION L0008253     VOLUME   463237.404 3768790.655 320.17
   LOCATION L0008254     VOLUME   463235.694 3768783.728 320.08
   LOCATION L0008255     VOLUME   463235.643 3768775.138 319.96
   LOCATION L0008256     VOLUME   463235.591 3768766.547 319.85
   LOCATION L0008257     VOLUME   463235.539 3768757.956 319.74
   LOCATION L0008258     VOLUME   463235.488 3768749.366 319.63
   LOCATION L0008259     VOLUME   463235.436 3768740.775 319.52
   LOCATION L0008260     VOLUME   463235.384 3768732.184 319.40
   LOCATION L0008261     VOLUME   463235.333 3768723.594 319.28
   LOCATION L0008262     VOLUME   463235.281 3768715.003 319.16
   LOCATION L0008263     VOLUME   463235.229 3768706.412 319.04
   LOCATION L0008264     VOLUME   463235.178 3768697.822 318.93
   LOCATION L0008265     VOLUME   463235.126 3768689.231 318.82
   LOCATION L0008266     VOLUME   463235.074 3768680.641 318.70
   LOCATION L0008267     VOLUME   463235.023 3768672.050 318.61
   LOCATION L0008268     VOLUME   463234.971 3768663.459 318.52
   LOCATION L0008269     VOLUME   463237.181 3768657.120 318.43
   LOCATION L0008270     VOLUME   463245.771 3768657.136 318.33
   LOCATION L0008271     VOLUME   463254.362 3768657.151 318.27
   LOCATION L0008272     VOLUME   463262.953 3768657.166 318.31
   LOCATION L0008273     VOLUME   463271.544 3768657.181 318.35
   LOCATION L0008274     VOLUME   463280.134 3768657.197 318.38
   LOCATION L0008275     VOLUME   463288.725 3768657.212 318.34
   LOCATION L0008276     VOLUME   463297.316 3768657.227 318.30
   LOCATION L0008277     VOLUME   463305.907 3768657.243 318.25
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   LOCATION L0008278     VOLUME   463314.498 3768657.258 318.21
   LOCATION L0008279     VOLUME   463323.088 3768657.273 318.16
   LOCATION L0008280     VOLUME   463331.679 3768657.288 318.14
   LOCATION L0008281     VOLUME   463340.270 3768657.304 318.17
   LOCATION L0008282     VOLUME   463347.775 3768658.393 318.22
   LOCATION L0008283     VOLUME   463347.690 3768666.983 318.32
   LOCATION L0008284     VOLUME   463347.605 3768675.573 318.42
   LOCATION L0008285     VOLUME   463347.521 3768684.164 318.53
   LOCATION L0008286     VOLUME   463347.436 3768692.754 318.65
   LOCATION L0008287     VOLUME   463347.352 3768701.345 318.76
   LOCATION L0008288     VOLUME   463347.267 3768709.935 318.88
   LOCATION L0008289     VOLUME   463347.183 3768718.525 318.98
   LOCATION L0008290     VOLUME   463347.098 3768727.116 319.08
   LOCATION L0008291     VOLUME   463347.100 3768735.706 319.17
   LOCATION L0008292     VOLUME   463339.298 3768736.268 319.15
   LOCATION L0008293     VOLUME   463330.708 3768736.246 319.11
   LOCATION L0008294     VOLUME   463322.117 3768736.225 319.16
   LOCATION L0008295     VOLUME   463313.526 3768736.203 319.23
   LOCATION L0008296     VOLUME   463304.935 3768736.181 319.29
   LOCATION L0008297     VOLUME   463296.345 3768736.159 319.34
   LOCATION L0008298     VOLUME   463287.754 3768736.138 319.40
   LOCATION L0008299     VOLUME   463279.163 3768736.116 319.46
   LOCATION L0008300     VOLUME   463270.572 3768736.094 319.45
   LOCATION L0008301     VOLUME   463261.981 3768736.072 319.44
   LOCATION L0008302     VOLUME   463253.391 3768736.051 319.43
** End of LINE VOLUME Source ID = SLINE2
   LOCATION STCK1        POINT      463399.472  3768747.191      321.050
** DESCRSRC Idle Location 1
   LOCATION STCK2        POINT      463350.489  3768746.620      319.300
** DESCRSRC Idle Location 2
   LOCATION STCK3        POINT      463338.837  3768800.271      319.840
** DESCRSRC Idle Location 3
   LOCATION STCK4        POINT      463242.784  3768802.580      320.320
** DESCRSRC Idle Location 4
   LOCATION STCK5        POINT      463251.406  3768747.984      319.600
** DESCRSRC Idle Location 5
   LOCATION STCK6        POINT      463304.041  3768747.736      319.430
** DESCRSRC Idle Location 6
   LOCATION STCK7        POINT      463235.874  3768695.968      318.900
** DESCRSRC Idle Location 7
   LOCATION STCK8        POINT      463250.054  3768645.973      318.150
** DESCRSRC Idle Location8
   LOCATION STCK9        POINT      463326.257  3768644.016      318.010
** DESCRSRC Idle Location 9 - aisle
   LOCATION STCK10       POINT      463370.825  3768676.187      319.030
** DESCRSRC Idle Location 10 - service bay
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0008150     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008151     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008152     0.000000291      3.50      4.00      1.63
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SRCPARAM L0008153     0.000000291      3.50      4.00      1.63
SRCPARAM L0008154     0.000000291      3.50      4.00      1.63
SRCPARAM L0008155     0.000000291      3.50      4.00      1.63
SRCPARAM L0008156     0.000000291      3.50      4.00      1.63
SRCPARAM L0008157     0.000000291      3.50      4.00      1.63
SRCPARAM L0008158     0.000000291      3.50      4.00      1.63
SRCPARAM L0008159     0.000000291      3.50      4.00      1.63
SRCPARAM L0008160     0.000000291      3.50      4.00      1.63
SRCPARAM L0008161     0.000000291      3.50      4.00      1.63
SRCPARAM L0008162     0.000000291      3.50      4.00      1.63
SRCPARAM L0008163     0.000000291      3.50      4.00      1.63
SRCPARAM L0008164     0.000000291      3.50      4.00      1.63
SRCPARAM L0008165     0.000000291      3.50      4.00      1.63
SRCPARAM L0008166     0.000000291      3.50      4.00      1.63
SRCPARAM L0008167     0.000000291      3.50      4.00      1.63
SRCPARAM L0008168     0.000000291      3.50      4.00      1.63
SRCPARAM L0008169     0.000000291      3.50      4.00      1.63
SRCPARAM L0008170     0.000000291      3.50      4.00      1.63
SRCPARAM L0008171     0.000000291      3.50      4.00      1.63
SRCPARAM L0008172     0.000000291      3.50      4.00      1.63
SRCPARAM L0008173     0.000000291      3.50      4.00      1.63
SRCPARAM L0008174     0.000000291      3.50      4.00      1.63
SRCPARAM L0008175     0.000000291      3.50      4.00      1.63
SRCPARAM L0008176     0.000000291      3.50      4.00      1.63
SRCPARAM L0008177     0.000000291      3.50      4.00      1.63
SRCPARAM L0008178     0.000000291      3.50      4.00      1.63
SRCPARAM L0008179     0.000000291      3.50      4.00      1.63
SRCPARAM L0008180     0.000000291      3.50      4.00      1.63
SRCPARAM L0008181     0.000000291      3.50      4.00      1.63
SRCPARAM L0008182     0.000000291      3.50      4.00      1.63
SRCPARAM L0008183     0.000000291      3.50      4.00      1.63
SRCPARAM L0008184     0.000000291      3.50      4.00      1.63
SRCPARAM L0008185     0.000000291      3.50      4.00      1.63
SRCPARAM L0008186     0.000000291      3.50      4.00      1.63
SRCPARAM L0008187     0.000000291      3.50      4.00      1.63
SRCPARAM L0008188     0.000000291      3.50      4.00      1.63
SRCPARAM L0008189     0.000000291      3.50      4.00      1.63
SRCPARAM L0008190     0.000000291      3.50      4.00      1.63
SRCPARAM L0008191     0.000000291      3.50      4.00      1.63
SRCPARAM L0008192     0.000000291      3.50      4.00      1.63
SRCPARAM L0008193     0.000000291      3.50      4.00      1.63
SRCPARAM L0008194     0.000000291      3.50      4.00      1.63
SRCPARAM L0008195     0.000000291      3.50      4.00      1.63
SRCPARAM L0008196     0.000000291      3.50      4.00      1.63
SRCPARAM L0008197     0.000000291      3.50      4.00      1.63
SRCPARAM L0008198     0.000000291      3.50      4.00      1.63
SRCPARAM L0008199     0.000000291      3.50      4.00      1.63
SRCPARAM L0008200     0.000000291      3.50      4.00      1.63
SRCPARAM L0008201     0.000000291      3.50      4.00      1.63
SRCPARAM L0008202     0.000000291      3.50      4.00      1.63
SRCPARAM L0008203     0.000000291      3.50      4.00      1.63
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   SRCPARAM L0008204     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008205     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008206     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008207     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008208     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008209     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008210     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008211     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008212     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008213     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008214     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008215     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008216     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008217     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008218     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008219     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008220     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008221     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008222     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008223     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008224     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008225     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008226     0.000000291      3.50      4.00      1.63
   SRCPARAM L0008227     0.000000291      3.50      4.00      1.63
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0008228     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008229     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008230     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008231     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008232     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008233     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008234     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008235     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008236     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008237     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008238     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008239     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008240     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008241     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008242     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008243     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008244     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008245     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008246     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008247     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008248     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008249     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008250     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008251     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008252     0.0000003787      3.50      4.00      3.26
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   SRCPARAM L0008253     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008254     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008255     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008256     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008257     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008258     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008259     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008260     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008261     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008262     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008263     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008264     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008265     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008266     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008267     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008268     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008269     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008270     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008271     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008272     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008273     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008274     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008275     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008276     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008277     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008278     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008279     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008280     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008281     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008282     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008283     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008284     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008285     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008286     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008287     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008288     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008289     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008290     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008291     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008292     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008293     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008294     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008295     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008296     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008297     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008298     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008299     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008300     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008301     0.0000003787      3.50      4.00      3.26
   SRCPARAM L0008302     0.0000003787      3.50      4.00      3.26
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   SRCPARAM STCK1         5.84E-06     3.417   366.000  51.71000     0.100
   SRCPARAM STCK2         5.84E-06     3.417   366.000   0.00100     0.100
   SRCPARAM STCK3         5.84E-06     3.417   366.000  51.71000     0.100
   SRCPARAM STCK4         5.84E-06     3.417   366.000   0.00100     0.100
   SRCPARAM STCK5         5.84E-06     3.417   366.000  51.71000     0.100
   SRCPARAM STCK6         5.84E-06     3.417   366.000   0.00100     0.100
   SRCPARAM STCK7         5.84E-06     3.417   366.000  51.71000     0.100
   SRCPARAM STCK8         5.84E-06     3.417   366.000   0.00100     0.100
   SRCPARAM STCK9         5.84E-06     3.417   366.000  51.71000     0.100
   SRCPARAM STCK10        5.84E-06     3.417   366.000   0.00100     0.100

** Building Downwash **
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK2            0.00     3.66     3.66     3.66     3.66     3.66
   BUILDHGT STCK2            3.66     3.66     3.66     0.00     0.00     0.00
   BUILDHGT STCK2            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK2            0.00     3.66     3.66     3.66     3.66     3.66
   BUILDHGT STCK2            3.66     3.66     3.66     0.00     0.00     0.00
   BUILDHGT STCK2            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK6            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK6            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK6            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK6            0.00     0.00     0.00     0.00     0.00     0.00
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| | | | | | | |
|---|---|---|---|---|---|---|
| BUILDHGT STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 0.00 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK2 | 0.00 | 3.50 | 3.79 | 3.96 | 4.01 | 3.94 |
| BUILDWID STCK2 | 3.75 | 3.45 | 3.04 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK2 | 0.00 | 3.50 | 3.79 | 3.96 | 4.01 | 3.94 |
| BUILDWID STCK2 | 3.75 | 3.45 | 3.04 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | |
|---|---|---|---|---|---|---|
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK10 | 24.52 | 29.81 | 34.20 | 37.54 | 39.75 | 40.74 |
| BUILDWID STCK10 | 40.50 | 39.03 | 36.75 | 39.34 | 40.73 | 40.89 |
| BUILDWID STCK10 | 39.80 | 37.50 | 34.07 | 29.60 | 24.23 | 0.00 |
| BUILDWID STCK10 | 24.52 | 29.81 | 34.20 | 37.54 | 39.75 | 40.74 |
| BUILDWID STCK10 | 40.50 | 39.03 | 36.75 | 39.34 | 40.73 | 40.89 |
| BUILDWID STCK10 | 39.80 | 37.50 | 34.07 | 29.60 | 24.23 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | |
|---|---|---|---|---|---|---|
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK2 | 0.00 | 3.72 | 3.89 | 3.94 | 3.88 | 3.69 |
| BUILDLEN STCK2 | 3.40 | 3.00 | 2.72 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK2 | 0.00 | 3.72 | 3.89 | 3.94 | 3.88 | 3.69 |
| BUILDLEN STCK2 | 3.40 | 3.00 | 2.72 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|
| BUILDLEN | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK10 | 37.27 | 39.16 | 35.62 | 27.86 | 23.46 | 20.80 |
| BUILDLEN | STCK10 | 19.21 | 18.37 | 18.12 | 18.43 | 19.36 | 21.05 |
| BUILDLEN | STCK10 | 23.86 | 28.54 | 36.89 | 38.78 | 37.10 | 0.00 |
| BUILDLEN | STCK10 | 37.27 | 39.16 | 35.62 | 27.86 | 23.46 | 20.80 |
| BUILDLEN | STCK10 | 19.21 | 18.37 | 18.12 | 18.43 | 19.36 | 21.05 |
| BUILDLEN | STCK10 | 23.86 | 28.54 | 36.89 | 38.78 | 37.10 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK2 | 0.00 | 2.40 | 2.77 | 3.06 | 3.26 | 3.36 |
| XBADJ | STCK2 | 3.36 | 3.25 | 2.84 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK2 | 0.00 | -6.11 | -6.66 | -7.01 | -7.14 | -7.06 |
| XBADJ | STCK2 | -6.76 | -6.25 | -5.56 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK10 | -5.41 | -4.58 | -1.49 | 3.21 | 5.70 | 6.80 |
| XBADJ | STCK10 | 6.84 | 6.01 | 4.23 | 1.97 | -0.95 | -4.51 |
| XBADJ | STCK10 | -8.81 | -14.15 | -21.32 | -25.17 | -27.07 | 0.00 |
| XBADJ | STCK10 | -31.86 | -34.58 | -34.12 | -31.06 | -29.16 | -27.60 |
| XBADJ | STCK10 | -26.05 | -24.38 | -22.36 | -20.40 | -18.41 | -16.54 |
| XBADJ | STCK10 | -15.05 | -14.39 | -15.57 | -13.60 | -10.03 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK2 | 0.00 | -2.89 | -2.11 | -1.28 | -0.40 | 0.49 |
| YBADJ | STCK2 | 1.36 | 2.19 | 2.96 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK2 | 0.00 | 2.89 | 2.11 | 1.28 | 0.40 | -0.49 |
| YBADJ | STCK2 | -1.36 | -2.19 | -2.96 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK10 | -11.18 | -8.73 | -6.02 | -3.12 | -0.12 | 2.87 |
| YBADJ | STCK10 | 5.78 | 8.52 | 11.06 | 13.23 | 15.00 | 16.31 |

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   YBADJ    STCK10          17.13    17.43    17.20    16.45    15.19     0.00
   YBADJ    STCK10          11.18     8.73     6.02     3.12     0.12    -2.87
   YBADJ    STCK10          -5.78    -8.52   -11.06   -13.23   -15.00   -16.31
   YBADJ    STCK10         -17.13   -17.43   -17.20   -16.45   -15.19     0.00

   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "19394 Bloomington Truck Storage 2024-2037 rev 1.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE "E:\New MET data\FONT_V9_ADJU\FONT_v9.SFC"
   PROFFILE "E:\New MET data\FONT_V9_ADJU\FONT_v9.PFL"
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "19394 BLOOMINGTON TRUCK STORAGE 2024-2037 REV 1.AD\PE00GALL.PLT" 31
   SUMMFILE "19394 Bloomington Truck Storage 2024-2037 rev 1.sum"
OU FINISHED


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            7 Warning Message(s)
 A Total of            0 Informational Message(s)
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   ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


   ********   WARNING MESSAGES   ********
SO W320     408        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     410        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     412        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     414        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     416        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
ME W186     795       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     795       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

***********************************
*** SETUP Finishes Successfully ***
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*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations 2024-2037 Rev-1                             ***        13:27:29
                                                                                                                PAGE   1
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for   163 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m

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

**Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        TEMP_Sub - Meteorological data includes TEMP substitutions
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**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of:  DPM

**Model Calculates PERIOD Averages Only

**This Run Includes:    163 Source(s);       1 Source Group(s); and     452 Receptor(s)

               with:     10 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:    153 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


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

**The AERMET Input Meteorological Data Version Date:  16216

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

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

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   367.00 ;  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:   19394 Bloomington Truck Storage 2024-2037 rev 1.err
**File for Summary of Results:   19394 Bloomington Truck Storage 2024-2037 rev 1.sum

*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                      ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations 2024-2037 Rev-1                                  ***        13:27:29
                                                                                                                        PAGE   2
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** POINT SOURCE DATA ***
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| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | STACK HEIGHT (METERS) | STACK TEMP. (DEG.K) | STACK EXIT VEL. (M/SEC) | STACK DIAMETER (METERS) | BLDG EXISTS | URBAN SOURCE | CAP/ HOR | EMIS RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STCK1 | 0 | 0.58400E-05 | 463399.5 | 3768747.2 | 321.1 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK2 | 0 | 0.58400E-05 | 463350.5 | 3768746.6 | 319.3 | 3.42 | 366.00 | 0.00 | 0.10 | YES | YES | NO | |
| STCK3 | 0 | 0.58400E-05 | 463338.8 | 3768800.3 | 319.8 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK4 | 0 | 0.58400E-05 | 463242.8 | 3768802.6 | 320.3 | 3.42 | 366.00 | 0.00 | 0.10 | NO | YES | NO | |
| STCK5 | 0 | 0.58400E-05 | 463251.4 | 3768748.0 | 319.6 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK6 | 0 | 0.58400E-05 | 463304.0 | 3768747.7 | 319.4 | 3.42 | 366.00 | 0.00 | 0.10 | NO | YES | NO | |
| STCK7 | 0 | 0.58400E-05 | 463235.9 | 3768696.0 | 318.9 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK8 | 0 | 0.58400E-05 | 463250.1 | 3768646.0 | 318.2 | 3.42 | 366.00 | 0.00 | 0.10 | NO | YES | NO | |
| STCK9 | 0 | 0.58400E-05 | 463326.3 | 3768644.0 | 318.0 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK10 | 0 | 0.58400E-05 | 463370.8 | 3768676.2 | 319.0 | 3.42 | 366.00 | 0.00 | 0.10 | YES | YES | NO | |



*** 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| L0008150 | 0 | 0.29100E-06 | 463416.2 | 3768749.2 | 321.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0008151 | 0 | 0.29100E-06 | 463416.2 | 3768757.8 | 321.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0008152 | 0 | 0.29100E-06 | 463416.2 | 3768766.4 | 321.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0008153 | 0 | 0.29100E-06 | 463416.1 | 3768775.0 | 321.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0008154 | 0 | 0.29100E-06 | 463416.1 | 3768783.6 | 321.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0008155 | 0 | 0.29100E-06 | 463416.1 | 3768792.2 | 321.9 | 3.50 | 4.00 | 1.63 | YES | |
| L0008156 | 0 | 0.29100E-06 | 463416.1 | 3768800.8 | 322.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0008157 | 0 | 0.29100E-06 | 463416.1 | 3768809.4 | 322.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0008158 | 0 | 0.29100E-06 | 463416.0 | 3768817.9 | 322.2 | 3.50 | 4.00 | 1.63 | YES | |
| L0008159 | 0 | 0.29100E-06 | 463416.0 | 3768826.5 | 322.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0008160 | 0 | 0.29100E-06 | 463416.0 | 3768835.1 | 322.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0008161 | 0 | 0.29100E-06 | 463416.0 | 3768843.7 | 322.6 | 3.50 | 4.00 | 1.63 | YES | |
| L0008162 | 0 | 0.29100E-06 | 463415.9 | 3768852.3 | 322.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0008163 | 0 | 0.29100E-06 | 463415.9 | 3768860.9 | 322.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0008164 | 0 | 0.29100E-06 | 463415.9 | 3768869.5 | 323.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0008165 | 0 | 0.29100E-06 | 463415.9 | 3768878.1 | 323.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0008166 | 0 | 0.29100E-06 | 463415.8 | 3768886.7 | 323.2 | 3.50 | 4.00 | 1.63 | YES | |
| L0008167 | 0 | 0.29100E-06 | 463415.8 | 3768895.3 | 323.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0008168 | 0 | 0.29100E-06 | 463415.8 | 3768903.8 | 323.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0008169 | 0 | 0.29100E-06 | 463415.8 | 3768912.4 | 323.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0008170 | 0 | 0.29100E-06 | 463415.7 | 3768921.0 | 323.6 | 3.50 | 4.00 | 1.63 | YES | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| L0008171 | 0 | 0.29100E-06 | 463415.7 | 3768929.6 | 323.7 | 3.50 | 4.00 | 1.63 | YES |
| L0008172 | 0 | 0.29100E-06 | 463415.7 | 3768938.2 | 323.8 | 3.50 | 4.00 | 1.63 | YES |
| L0008173 | 0 | 0.29100E-06 | 463415.7 | 3768946.8 | 323.9 | 3.50 | 4.00 | 1.63 | YES |
| L0008174 | 0 | 0.29100E-06 | 463415.6 | 3768955.4 | 324.0 | 3.50 | 4.00 | 1.63 | YES |
| L0008175 | 0 | 0.29100E-06 | 463415.6 | 3768964.0 | 324.1 | 3.50 | 4.00 | 1.63 | YES |
| L0008176 | 0 | 0.29100E-06 | 463415.6 | 3768972.6 | 324.2 | 3.50 | 4.00 | 1.63 | YES |
| L0008177 | 0 | 0.29100E-06 | 463415.6 | 3768981.2 | 324.3 | 3.50 | 4.00 | 1.63 | YES |
| L0008178 | 0 | 0.29100E-06 | 463415.5 | 3768989.8 | 324.4 | 3.50 | 4.00 | 1.63 | YES |
| L0008179 | 0 | 0.29100E-06 | 463415.5 | 3768998.3 | 324.5 | 3.50 | 4.00 | 1.63 | YES |
| L0008180 | 0 | 0.29100E-06 | 463415.5 | 3769006.9 | 324.6 | 3.50 | 4.00 | 1.63 | YES |
| L0008181 | 0 | 0.29100E-06 | 463415.5 | 3769015.5 | 324.6 | 3.50 | 4.00 | 1.63 | YES |
| L0008182 | 0 | 0.29100E-06 | 463415.4 | 3769024.1 | 324.7 | 3.50 | 4.00 | 1.63 | YES |
| L0008183 | 0 | 0.29100E-06 | 463415.4 | 3769032.7 | 324.8 | 3.50 | 4.00 | 1.63 | YES |
| L0008184 | 0 | 0.29100E-06 | 463415.4 | 3769041.3 | 324.8 | 3.50 | 4.00 | 1.63 | YES |
| L0008185 | 0 | 0.29100E-06 | 463415.4 | 3769049.9 | 324.9 | 3.50 | 4.00 | 1.63 | YES |
| L0008186 | 0 | 0.29100E-06 | 463415.3 | 3769058.5 | 325.0 | 3.50 | 4.00 | 1.63 | YES |
| L0008187 | 0 | 0.29100E-06 | 463415.3 | 3769067.1 | 325.0 | 3.50 | 4.00 | 1.63 | YES |
| L0008188 | 0 | 0.29100E-06 | 463415.3 | 3769075.7 | 325.1 | 3.50 | 4.00 | 1.63 | YES |
| L0008189 | 0 | 0.29100E-06 | 463415.3 | 3769084.3 | 325.2 | 3.50 | 4.00 | 1.63 | YES |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| L0008190 | 0 | 0.29100E-06 | 463415.2 | 3769092.8 | 325.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0008191 | 0 | 0.29100E-06 | 463415.2 | 3769101.4 | 325.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0008192 | 0 | 0.29100E-06 | 463415.2 | 3769110.0 | 325.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0008193 | 0 | 0.29100E-06 | 463415.2 | 3769118.6 | 325.6 | 3.50 | 4.00 | 1.63 | YES | |
| L0008194 | 0 | 0.29100E-06 | 463415.1 | 3769127.2 | 325.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0008195 | 0 | 0.29100E-06 | 463415.1 | 3769135.8 | 325.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0008196 | 0 | 0.29100E-06 | 463415.1 | 3769144.4 | 325.9 | 3.50 | 4.00 | 1.63 | YES | |
| L0008197 | 0 | 0.29100E-06 | 463415.1 | 3769153.0 | 326.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0008198 | 0 | 0.29100E-06 | 463415.0 | 3769161.6 | 326.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0008199 | 0 | 0.29100E-06 | 463415.0 | 3769170.2 | 326.2 | 3.50 | 4.00 | 1.63 | YES | |
| L0008200 | 0 | 0.29100E-06 | 463415.0 | 3769178.8 | 326.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0008201 | 0 | 0.29100E-06 | 463415.0 | 3769187.3 | 326.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0008202 | 0 | 0.29100E-06 | 463414.9 | 3769195.9 | 326.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0008203 | 0 | 0.29100E-06 | 463414.9 | 3769204.5 | 326.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0008204 | 0 | 0.29100E-06 | 463414.9 | 3769213.1 | 326.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0008205 | 0 | 0.29100E-06 | 463414.9 | 3769221.7 | 326.9 | 3.50 | 4.00 | 1.63 | YES | |
| L0008206 | 0 | 0.29100E-06 | 463414.9 | 3769230.3 | 327.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0008207 | 0 | 0.29100E-06 | 463414.8 | 3769238.9 | 327.2 | 3.50 | 4.00 | 1.63 | YES | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| L0008208 | 0 | 0.29100E-06 | 463414.8 | 3769247.5 | 327.4 | 3.50 | 4.00 | 1.63 | YES |
| L0008209 | 0 | 0.29100E-06 | 463414.8 | 3769256.1 | 327.6 | 3.50 | 4.00 | 1.63 | YES |
| L0008210 | 0 | 0.29100E-06 | 463414.8 | 3769264.7 | 327.7 | 3.50 | 4.00 | 1.63 | YES |
| L0008211 | 0 | 0.29100E-06 | 463414.7 | 3769273.3 | 327.8 | 3.50 | 4.00 | 1.63 | YES |
| L0008212 | 0 | 0.29100E-06 | 463414.7 | 3769281.8 | 328.0 | 3.50 | 4.00 | 1.63 | YES |
| L0008213 | 0 | 0.29100E-06 | 463414.7 | 3769290.4 | 328.1 | 3.50 | 4.00 | 1.63 | YES |
| L0008214 | 0 | 0.29100E-06 | 463414.7 | 3769299.0 | 328.2 | 3.50 | 4.00 | 1.63 | YES |
| L0008215 | 0 | 0.29100E-06 | 463414.6 | 3769307.6 | 328.3 | 3.50 | 4.00 | 1.63 | YES |
| L0008216 | 0 | 0.29100E-06 | 463414.6 | 3769316.2 | 328.4 | 3.50 | 4.00 | 1.63 | YES |
| L0008217 | 0 | 0.29100E-06 | 463414.6 | 3769324.8 | 328.5 | 3.50 | 4.00 | 1.63 | YES |
| L0008218 | 0 | 0.29100E-06 | 463414.6 | 3769333.4 | 328.6 | 3.50 | 4.00 | 1.63 | YES |
| L0008219 | 0 | 0.29100E-06 | 463414.5 | 3769342.0 | 328.7 | 3.50 | 4.00 | 1.63 | YES |
| L0008220 | 0 | 0.29100E-06 | 463414.5 | 3769350.6 | 328.8 | 3.50 | 4.00 | 1.63 | YES |
| L0008221 | 0 | 0.29100E-06 | 463414.5 | 3769359.2 | 328.9 | 3.50 | 4.00 | 1.63 | YES |
| L0008222 | 0 | 0.29100E-06 | 463414.5 | 3769367.8 | 329.0 | 3.50 | 4.00 | 1.63 | YES |
| L0008223 | 0 | 0.29100E-06 | 463414.4 | 3769376.3 | 329.1 | 3.50 | 4.00 | 1.63 | YES |
| L0008224 | 0 | 0.29100E-06 | 463414.4 | 3769384.9 | 329.2 | 3.50 | 4.00 | 1.63 | YES |
| L0008225 | 0 | 0.29100E-06 | 463414.4 | 3769393.5 | 329.3 | 3.50 | 4.00 | 1.63 | YES |
| L0008226 | 0 | 0.29100E-06 | 463414.4 | 3769402.1 | 329.4 | 3.50 | 4.00 | 1.63 | YES |
| L0008227 | 0 | 0.29100E-06 | 463414.3 | 3769410.7 | 329.4 | 3.50 | 4.00 | 1.63 | YES |
| L0008228 | 0 | 0.37870E-06 | 463407.9 | 3768746.4 | 321.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008229 | 0 | 0.37870E-06 | 463399.3 | 3768746.3 | 321.0 | 3.50 | 4.00 | 3.26 | YES |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| L0008230 | 0 | 0.37870E-06 | 463390.7 | 3768746.3 | 320.8 | 3.50 | 4.00 | 3.26 | YES | |
| L0008231 | 0 | 0.37870E-06 | 463382.1 | 3768746.2 | 320.6 | 3.50 | 4.00 | 3.26 | YES | |
| L0008232 | 0 | 0.37870E-06 | 463373.5 | 3768746.2 | 320.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0008233 | 0 | 0.37870E-06 | 463364.9 | 3768746.1 | 319.8 | 3.50 | 4.00 | 3.26 | YES | |
| L0008234 | 0 | 0.37870E-06 | 463356.3 | 3768746.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES | |
| L0008235 | 0 | 0.37870E-06 | 463347.7 | 3768746.0 | 319.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0008236 | 0 | 0.37870E-06 | 463339.2 | 3768746.0 | 319.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0008237 | 0 | 0.37870E-06 | 463336.0 | 3768751.5 | 319.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0008238 | 0 | 0.37870E-06 | 463335.9 | 3768760.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES | |
| L0008239 | 0 | 0.37870E-06 | 463335.7 | 3768768.6 | 319.5 | 3.50 | 4.00 | 3.26 | YES | |
| L0008240 | 0 | 0.37870E-06 | 463335.6 | 3768777.2 | 319.6 | 3.50 | 4.00 | 3.26 | YES | |
| L0008241 | 0 | 0.37870E-06 | 463335.5 | 3768785.8 | 319.7 | 3.50 | 4.00 | 3.26 | YES | |
| L0008242 | 0 | 0.37870E-06 | 463331.9 | 3768790.9 | 319.7 | 3.50 | 4.00 | 3.26 | YES | |
| L0008243 | 0 | 0.37870E-06 | 463323.3 | 3768790.8 | 319.8 | 3.50 | 4.00 | 3.26 | YES | |
| L0008244 | 0 | 0.37870E-06 | 463314.7 | 3768790.8 | 319.8 | 3.50 | 4.00 | 3.26 | YES | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| L0008245 | 0 | 0.37870E-06 | 463306.1 | 3768790.8 | 319.9 | 3.50 | 4.00 | 3.26 | YES |
| L0008246 | 0 | 0.37870E-06 | 463297.5 | 3768790.8 | 320.0 | 3.50 | 4.00 | 3.26 | YES |
| L0008247 | 0 | 0.37870E-06 | 463288.9 | 3768790.8 | 320.1 | 3.50 | 4.00 | 3.26 | YES |
| L0008248 | 0 | 0.37870E-06 | 463280.4 | 3768790.8 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008249 | 0 | 0.37870E-06 | 463271.8 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008250 | 0 | 0.37870E-06 | 463263.2 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008251 | 0 | 0.37870E-06 | 463254.6 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008252 | 0 | 0.37870E-06 | 463246.0 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008253 | 0 | 0.37870E-06 | 463237.4 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008254 | 0 | 0.37870E-06 | 463235.7 | 3768783.7 | 320.1 | 3.50 | 4.00 | 3.26 | YES |
| L0008255 | 0 | 0.37870E-06 | 463235.6 | 3768775.1 | 320.0 | 3.50 | 4.00 | 3.26 | YES |
| L0008256 | 0 | 0.37870E-06 | 463235.6 | 3768766.5 | 319.9 | 3.50 | 4.00 | 3.26 | YES |
| L0008257 | 0 | 0.37870E-06 | 463235.5 | 3768758.0 | 319.7 | 3.50 | 4.00 | 3.26 | YES |
| L0008258 | 0 | 0.37870E-06 | 463235.5 | 3768749.4 | 319.6 | 3.50 | 4.00 | 3.26 | YES |
| L0008259 | 0 | 0.37870E-06 | 463235.4 | 3768740.8 | 319.5 | 3.50 | 4.00 | 3.26 | YES |
| L0008260 | 0 | 0.37870E-06 | 463235.4 | 3768732.2 | 319.4 | 3.50 | 4.00 | 3.26 | YES |
| L0008261 | 0 | 0.37870E-06 | 463235.3 | 3768723.6 | 319.3 | 3.50 | 4.00 | 3.26 | YES |
| L0008262 | 0 | 0.37870E-06 | 463235.3 | 3768715.0 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008263 | 0 | 0.37870E-06 | 463235.2 | 3768706.4 | 319.0 | 3.50 | 4.00 | 3.26 | YES |
| L0008264 | 0 | 0.37870E-06 | 463235.2 | 3768697.8 | 318.9 | 3.50 | 4.00 | 3.26 | YES |
| L0008265 | 0 | 0.37870E-06 | 463235.1 | 3768689.2 | 318.8 | 3.50 | 4.00 | 3.26 | YES |
| L0008266 | 0 | 0.37870E-06 | 463235.1 | 3768680.6 | 318.7 | 3.50 | 4.00 | 3.26 | YES |
| L0008267 | 0 | 0.37870E-06 | 463235.0 | 3768672.0 | 318.6 | 3.50 | 4.00 | 3.26 | YES |
| L0008268 | 0 | 0.37870E-06 | 463235.0 | 3768663.5 | 318.5 | 3.50 | 4.00 | 3.26 | YES |
| L0008269 | 0 | 0.37870E-06 | 463237.2 | 3768657.1 | 318.4 | 3.50 | 4.00 | 3.26 | YES |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| L0008270 | 0 | 0.37870E-06 | 463245.8 | 3768657.1 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0008271 | 0 | 0.37870E-06 | 463254.4 | 3768657.2 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0008272 | 0 | 0.37870E-06 | 463263.0 | 3768657.2 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0008273 | 0 | 0.37870E-06 | 463271.5 | 3768657.2 | 318.4 | 3.50 | 4.00 | 3.26 | YES | |
| L0008274 | 0 | 0.37870E-06 | 463280.1 | 3768657.2 | 318.4 | 3.50 | 4.00 | 3.26 | YES | |
| L0008275 | 0 | 0.37870E-06 | 463288.7 | 3768657.2 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0008276 | 0 | 0.37870E-06 | 463297.3 | 3768657.2 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0008277 | 0 | 0.37870E-06 | 463305.9 | 3768657.2 | 318.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0008278 | 0 | 0.37870E-06 | 463314.5 | 3768657.3 | 318.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0008279 | 0 | 0.37870E-06 | 463323.1 | 3768657.3 | 318.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0008280 | 0 | 0.37870E-06 | 463331.7 | 3768657.3 | 318.1 | 3.50 | 4.00 | 3.26 | YES | |
| L0008281 | 0 | 0.37870E-06 | 463340.3 | 3768657.3 | 318.2 | 3.50 | 4.00 | 3.26 | YES | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| L0008282 | 0 | 0.37870E-06 | 463347.8 | 3768658.4 | 318.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008283 | 0 | 0.37870E-06 | 463347.7 | 3768667.0 | 318.3 | 3.50 | 4.00 | 3.26 | YES |
| L0008284 | 0 | 0.37870E-06 | 463347.6 | 3768675.6 | 318.4 | 3.50 | 4.00 | 3.26 | YES |
| L0008285 | 0 | 0.37870E-06 | 463347.5 | 3768684.2 | 318.5 | 3.50 | 4.00 | 3.26 | YES |
| L0008286 | 0 | 0.37870E-06 | 463347.4 | 3768692.8 | 318.7 | 3.50 | 4.00 | 3.26 | YES |
| L0008287 | 0 | 0.37870E-06 | 463347.4 | 3768701.3 | 318.8 | 3.50 | 4.00 | 3.26 | YES |
| L0008288 | 0 | 0.37870E-06 | 463347.3 | 3768709.9 | 318.9 | 3.50 | 4.00 | 3.26 | YES |
| L0008289 | 0 | 0.37870E-06 | 463347.2 | 3768718.5 | 319.0 | 3.50 | 4.00 | 3.26 | YES |
| L0008290 | 0 | 0.37870E-06 | 463347.1 | 3768727.1 | 319.1 | 3.50 | 4.00 | 3.26 | YES |
| L0008291 | 0 | 0.37870E-06 | 463347.1 | 3768735.7 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008292 | 0 | 0.37870E-06 | 463339.3 | 3768736.3 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008293 | 0 | 0.37870E-06 | 463330.7 | 3768736.2 | 319.1 | 3.50 | 4.00 | 3.26 | YES |
| L0008294 | 0 | 0.37870E-06 | 463322.1 | 3768736.2 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008295 | 0 | 0.37870E-06 | 463313.5 | 3768736.2 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008296 | 0 | 0.37870E-06 | 463304.9 | 3768736.2 | 319.3 | 3.50 | 4.00 | 3.26 | YES |
| L0008297 | 0 | 0.37870E-06 | 463296.3 | 3768736.2 | 319.3 | 3.50 | 4.00 | 3.26 | YES |
| L0008298 | 0 | 0.37870E-06 | 463287.8 | 3768736.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES |
| L0008299 | 0 | 0.37870E-06 | 463279.2 | 3768736.1 | 319.5 | 3.50 | 4.00 | 3.26 | YES |
| L0008300 | 0 | 0.37870E-06 | 463270.6 | 3768736.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES |
| L0008301 | 0 | 0.37870E-06 | 463262.0 | 3768736.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES |
| L0008302 | 0 | 0.37870E-06 | 463253.4 | 3768736.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

| SRCGROUP ID | SOURCE IDs |
|---|---|
| ALL | L0008150 , L0008151 , L0008152 , L0008153 , L0008154 , L0008155 , L0008156 , L0008157 , |
| | L0008158 , L0008159 , L0008160 , L0008161 , L0008162 , L0008163 , L0008164 , L0008165 , |
| | L0008166 , L0008167 , L0008168 , L0008169 , L0008170 , L0008171 , L0008172 , L0008173 , |
| | L0008174 , L0008175 , L0008176 , L0008177 , L0008178 , L0008179 , L0008180 , L0008181 , |
| | L0008182 , L0008183 , L0008184 , L0008185 , L0008186 , L0008187 , L0008188 , L0008189 , |
| | L0008190 , L0008191 , L0008192 , L0008193 , L0008194 , L0008195 , L0008196 , L0008197 , |
| | L0008198 , L0008199 , L0008200 , L0008201 , L0008202 , L0008203 , L0008204 , L0008205 , |
| | L0008206 , L0008207 , L0008208 , L0008209 , L0008210 , L0008211 , L0008212 , L0008213 , |
| | L0008214 , L0008215 , L0008216 , L0008217 , L0008218 , L0008219 , L0008220 , L0008221 , |

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            L0008222    , L0008223    , L0008224    , L0008225    , L0008226    , L0008227    , L0008228    , L0008229    ,

            L0008230    , L0008231    , L0008232    , L0008233    , L0008234    , L0008235    , L0008236    , L0008237    ,

            L0008238    , L0008239    , L0008240    , L0008241    , L0008242    , L0008243    , L0008244    , L0008245    ,

            L0008246    , L0008247    , L0008248    , L0008249    , L0008250    , L0008251    , L0008252    , L0008253    ,

            L0008254    , L0008255    , L0008256    , L0008257    , L0008258    , L0008259    , L0008260    , L0008261    ,

            L0008262    , L0008263    , L0008264    , L0008265    , L0008266    , L0008267    , L0008268    , L0008269    ,

            L0008270    , L0008271    , L0008272    , L0008273    , L0008274    , L0008275    , L0008276    , L0008277    ,

            L0008278    , L0008279    , L0008280    , L0008281    , L0008282    , L0008283    , L0008284    , L0008285    ,

            L0008286    , L0008287    , L0008288    , L0008289    , L0008290    , L0008291    , L0008292    , L0008293    ,

            L0008294    , L0008295    , L0008296    , L0008297    , L0008298    , L0008299    , L0008300    , L0008301    ,

            L0008302    , STCK1       , STCK2       , STCK3       , STCK4       , STCK5       , STCK6       , STCK7       ,
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                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID                                           SOURCE IDs
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            STCK8       , STCK9       , STCK10      ,
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                                       *** SOURCE IDs DEFINED AS URBAN SOURCES ***

 URBAN ID   URBAN POP                                  SOURCE IDs
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             2035210.   L0008150    , L0008151    , L0008152    , L0008153    , L0008154    , L0008155    , L0008156    ,
L0008157    ,
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L0008158    , L0008159    , L0008160    , L0008161    , L0008162    , L0008163    , L0008164    , L0008165    ,
L0008166    , L0008167    , L0008168    , L0008169    , L0008170    , L0008171    , L0008172    , L0008173    ,
L0008174    , L0008175    , L0008176    , L0008177    , L0008178    , L0008179    , L0008180    , L0008181    ,
L0008182    , L0008183    , L0008184    , L0008185    , L0008186    , L0008187    , L0008188    , L0008189    ,
L0008190    , L0008191    , L0008192    , L0008193    , L0008194    , L0008195    , L0008196    , L0008197    ,
L0008198    , L0008199    , L0008200    , L0008201    , L0008202    , L0008203    , L0008204    , L0008205    ,
L0008206    , L0008207    , L0008208    , L0008209    , L0008210    , L0008211    , L0008212    , L0008213    ,
L0008214    , L0008215    , L0008216    , L0008217    , L0008218    , L0008219    , L0008220    , L0008221    ,
L0008222    , L0008223    , L0008224    , L0008225    , L0008226    , L0008227    , L0008228    , L0008229    ,
L0008230    , L0008231    , L0008232    , L0008233    , L0008234    , L0008235    , L0008236    , L0008237    ,
L0008238    , L0008239    , L0008240    , L0008241    , L0008242    , L0008243    , L0008244    , L0008245    ,
L0008246    , L0008247    , L0008248    , L0008249    , L0008250    , L0008251    , L0008252    , L0008253    ,
L0008254    , L0008255    , L0008256    , L0008257    , L0008258    , L0008259    , L0008260    , L0008261    ,
L0008262    , L0008263    , L0008264    , L0008265    , L0008266    , L0008267    , L0008268    , L0008269    ,
L0008270    , L0008271    , L0008272    , L0008273    , L0008274    , L0008275    , L0008276    , L0008277    ,
L0008278    , L0008279    , L0008280    , L0008281    , L0008282    , L0008283    , L0008284    , L0008285    ,
L0008286    , L0008287    , L0008288    , L0008289    , L0008290    , L0008291    , L0008292    , L0008293    ,
L0008294    , L0008295    , L0008296    , L0008297    , L0008298    , L0008299    , L0008300    , L0008301    ,
L0008302    , STCK1       , STCK2       , STCK3       , STCK4       , STCK5       , STCK6       , STCK7       ,
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*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

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

STCK8 , STCK9 , STCK10 ,



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK2

| IFV | BH | BW | BL | XADJ | YADJ | IFV | BH | BW | BL | XADJ | YADJ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 2 | 3.7, | 3.5, | 3.7, | 2.4, | -2.9, |
| 3 | 3.7, | 3.8, | 3.9, | 2.8, | -2.1, | 4 | 3.7, | 4.0, | 3.9, | 3.1, | -1.3, |
| 5 | 3.7, | 4.0, | 3.9, | 3.3, | -0.4, | 6 | 3.7, | 3.9, | 3.7, | 3.4, | 0.5, |
| 7 | 3.7, | 3.8, | 3.4, | 3.4, | 1.4, | 8 | 3.7, | 3.4, | 3.0, | 3.2, | 2.2, |
| 9 | 3.7, | 3.0, | 2.7, | 2.8, | 3.0, | 10 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 11 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 12 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 13 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 14 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 15 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 16 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 17 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 18 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 19 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 20 | 3.7, | 3.5, | 3.7, | -6.1, | 2.9, |
| 21 | 3.7, | 3.8, | 3.9, | -6.7, | 2.1, | 22 | 3.7, | 4.0, | 3.9, | -7.0, | 1.3, |
| 23 | 3.7, | 4.0, | 3.9, | -7.1, | 0.4, | 24 | 3.7, | 3.9, | 3.7, | -7.1, | -0.5, |
| 25 | 3.7, | 3.8, | 3.4, | -6.8, | -1.4, | 26 | 3.7, | 3.4, | 3.0, | -6.2, | -2.2, |
| 27 | 3.7, | 3.0, | 2.7, | -5.6, | -3.0, | 28 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 29 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 30 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 31 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 32 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 33 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 34 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 35 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 36 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |

SOURCE ID: STCK10

| IFV | BH | BW | BL | XADJ | YADJ | IFV | BH | BW | BL | XADJ | YADJ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.0, | 24.5, | 37.3, | -5.4, | -11.2, | 2 | 7.0, | 29.8, | 39.2, | -4.6, | -8.7, |
| 3 | 7.0, | 34.2, | 35.6, | -1.5, | -6.0, | 4 | 7.0, | 37.5, | 27.9, | 3.2, | -3.1, |
| 5 | 7.0, | 39.8, | 23.5, | 5.7, | -0.1, | 6 | 7.0, | 40.7, | 20.8, | 6.8, | 2.9, |
| 7 | 7.0, | 40.5, | 19.2, | 6.8, | 5.8, | 8 | 7.0, | 39.0, | 18.4, | 6.0, | 8.5, |
| 9 | 7.0, | 36.8, | 18.1, | 4.2, | 11.1, | 10 | 7.0, | 39.3, | 18.4, | 2.0, | 13.2, |
| 11 | 7.0, | 40.7, | 19.4, | -1.0, | 15.0, | 12 | 7.0, | 40.9, | 21.1, | -4.5, | 16.3, |
| 13 | 7.0, | 39.8, | 23.9, | -8.8, | 17.1, | 14 | 7.0, | 37.5, | 28.5, | -14.2, | 17.4, |
| 15 | 7.0, | 34.1, | 36.9, | -21.3, | 17.2, | 16 | 7.0, | 29.6, | 38.8, | -25.2, | 16.4, |
| 17 | 7.0, | 24.2, | 37.1, | -27.1, | 15.2, | 18 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 19 | 7.0, | 24.5, | 37.3, | -31.9, | 11.2, | 20 | 7.0, | 29.8, | 39.2, | -34.6, | 8.7, |
| 21 | 7.0, | 34.2, | 35.6, | -34.1, | 6.0, | 22 | 7.0, | 37.5, | 27.9, | -31.1, | 3.1, |
| 23 | 7.0, | 39.8, | 23.5, | -29.2, | 0.1, | 24 | 7.0, | 40.7, | 20.8, | -27.6, | -2.9, |
| 25 | 7.0, | 40.5, | 19.2, | -26.1, | -5.8, | 26 | 7.0, | 39.0, | 18.4, | -24.4, | -8.5, |
| 27 | 7.0, | 36.8, | 18.1, | -22.4, | -11.1, | 28 | 7.0, | 39.3, | 18.4, | -20.4, | -13.2, |
| 29 | 7.0, | 40.7, | 19.4, | -18.4, | -15.0, | 30 | 7.0, | 40.9, | 21.1, | -16.5, | -16.3, |
| 31 | 7.0, | 39.8, | 23.9, | -15.1, | -17.1, | 32 | 7.0, | 37.5, | 28.5, | -14.4, | -17.4, |
| 33 | 7.0, | 34.1, | 36.9, | -15.6, | -17.2, | 34 | 7.0, | 29.6, | 38.8, | -13.6, | -16.4, |

35  7.0,  24.2,  37.1,  -10.0,  -15.2,  36  0.0,  0.0,  0.0,  0.0,  0.0,



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

462841.8, 462895.4, 462949.0, 463002.6, 463056.2, 463109.8, 463163.5, 463217.1, 463270.7, 463324.3,
463377.9, 463431.5, 463485.1, 463538.7, 463592.3, 463646.0, 463699.6, 463753.2, 463806.8, 463860.4,
463914.0,

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

3768395.3, 3768448.2, 3768501.1, 3768554.0, 3768607.0, 3768659.9, 3768712.8, 3768765.7, 3768818.6, 3768871.5,
3768924.5, 3768977.4, 3769030.3, 3769083.2, 3769136.1, 3769189.1, 3769242.0, 3769294.9, 3769347.8, 3769400.8,
3769453.7,



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 462841.80 | 462895.41 | 462949.02 | 463002.63 | 463056.24 | 463109.85 | 463163.46 | 463217.07 | 463270.68 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 331.50 | 331.20 | 330.50 | 330.10 | 330.00 | 329.80 | 329.80 | 329.70 | 329.70 |
| 3769400.75 | 331.10 | 330.30 | 329.90 | 329.30 | 329.00 | 329.10 | 329.50 | 329.40 | 329.40 |
| 3769347.83 | 330.50 | 329.60 | 328.90 | 328.50 | 328.20 | 328.30 | 328.60 | 328.80 | 328.80 |
| 3769294.91 | 329.70 | 329.00 | 328.10 | 327.90 | 327.60 | 327.70 | 327.80 | 328.20 | 328.40 |
| 3769241.99 | 328.80 | 328.20 | 327.60 | 327.20 | 326.90 | 326.80 | 326.90 | 327.30 | 327.50 |
| 3769189.07 | 327.60 | 327.30 | 326.70 | 326.70 | 326.10 | 325.80 | 326.00 | 326.40 | 326.70 |
| 3769136.15 | 326.70 | 326.70 | 326.10 | 326.20 | 325.60 | 325.20 | 325.40 | 325.80 | 325.90 |
| 3769083.23 | 326.30 | 326.30 | 325.80 | 325.50 | 325.10 | 324.70 | 324.60 | 324.90 | 324.90 |
| 3769030.31 | 325.90 | 325.70 | 325.30 | 324.80 | 324.60 | 324.30 | 323.80 | 323.90 | 323.70 |
| 3768977.39 | 325.50 | 325.20 | 324.90 | 324.30 | 323.90 | 324.00 | 323.20 | 322.80 | 322.70 |
| 3768924.47 | 324.20 | 324.10 | 323.60 | 323.30 | 323.20 | 323.50 | 322.80 | 322.10 | 321.90 |
| 3768871.55 | 323.40 | 323.90 | 322.50 | 322.60 | 322.60 | 323.10 | 322.30 | 321.40 | 321.20 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3768818.63 | 323.00 | 323.00 | 322.00 | 321.90 | 322.00 | 322.30 | 321.60 | 320.70 | 320.50 |
| 3768765.71 | 321.90 | 321.60 | 321.30 | 321.30 | 321.40 | 321.30 | 320.70 | 319.90 | 319.90 |
| 3768712.79 | 321.60 | 320.90 | 320.30 | 320.60 | 320.70 | 320.70 | 320.10 | 319.30 | 319.10 |
| 3768659.87 | 320.60 | 320.10 | 319.90 | 320.10 | 320.00 | 320.00 | 319.50 | 318.80 | 318.40 |
| 3768606.95 | 319.80 | 319.50 | 319.20 | 319.40 | 319.30 | 319.30 | 318.90 | 318.20 | 317.70 |
| 3768554.03 | 319.00 | 318.80 | 318.40 | 318.50 | 318.60 | 318.40 | 318.00 | 317.50 | 316.90 |
| 3768501.11 | 318.30 | 318.20 | 317.80 | 317.90 | 317.80 | 317.70 | 317.40 | 317.10 | 316.70 |
| 3768448.19 | 317.70 | 317.60 | 317.40 | 317.20 | 317.10 | 316.90 | 316.60 | 316.40 | 316.20 |
| 3768395.27 | 316.90 | 316.80 | 316.80 | 316.40 | 316.30 | 316.20 | 315.90 | 316.00 | 315.60 |



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

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 463324.29 | 463377.90 | 463431.51 | 463485.12 | 463538.73 | 463592.34 | 463645.95 | 463699.56 | 463753.17 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 329.60 | 329.00 | 329.90 | 330.00 | 329.90 | 328.80 | 327.90 | 327.40 | 327.00 |
| 3769400.75 | 329.50 | 329.20 | 329.40 | 329.60 | 329.40 | 328.10 | 327.20 | 326.80 | 325.90 |
| 3769347.83 | 328.50 | 328.50 | 329.00 | 329.10 | 329.20 | 327.60 | 326.50 | 326.10 | 325.30 |
| 3769294.91 | 327.70 | 328.00 | 328.10 | 328.00 | 327.90 | 327.00 | 325.40 | 324.80 | 324.20 |
| 3769241.99 | 327.30 | 327.50 | 327.30 | 327.40 | 327.10 | 326.20 | 325.10 | 324.50 | 324.00 |
| 3769189.07 | 326.50 | 326.70 | 326.40 | 326.80 | 326.00 | 325.10 | 323.60 | 323.60 | 323.40 |
| 3769136.15 | 325.70 | 326.10 | 325.80 | 326.30 | 325.20 | 324.50 | 322.80 | 323.00 | 322.70 |
| 3769083.23 | 325.10 | 325.20 | 325.30 | 325.70 | 324.70 | 324.10 | 322.40 | 322.40 | 322.10 |
| 3769030.31 | 324.60 | 324.70 | 324.80 | 325.20 | 324.30 | 323.70 | 322.00 | 321.90 | 321.40 |
| 3768977.39 | 323.50 | 324.20 | 324.20 | 324.50 | 323.80 | 323.10 | 321.50 | 321.20 | 320.80 |
| 3768924.47 | 322.20 | 323.30 | 323.60 | 324.00 | 324.20 | 322.70 | 321.70 | 321.00 | 320.30 |
| 3768871.55 | 321.10 | 322.10 | 323.10 | 323.40 | 323.20 | 321.70 | 320.70 | 320.10 | 319.70 |
| 3768818.63 | 320.20 | 321.00 | 322.40 | 322.50 | 322.40 | 321.50 | 320.70 | 319.80 | 319.40 |
| 3768765.71 | 319.50 | 320.60 | 321.60 | 321.30 | 321.20 | 320.80 | 320.00 | 319.30 | 318.60 |
| 3768712.79 | 318.90 | 320.00 | 320.80 | 320.80 | 320.80 | 320.20 | 319.40 | 318.90 | 318.30 |
| 3768659.87 | 318.20 | 319.00 | 320.10 | 320.10 | 320.00 | 319.60 | 319.00 | 318.40 | 317.80 |
| 3768606.95 | 317.70 | 318.20 | 319.30 | 319.40 | 319.30 | 319.10 | 317.90 | 317.40 | 317.20 |
| 3768554.03 | 316.90 | 316.80 | 318.10 | 318.70 | 318.30 | 318.40 | 317.10 | 316.60 | 316.60 |
| 3768501.11 | 316.20 | 315.80 | 316.20 | 318.00 | 317.80 | 318.00 | 316.90 | 316.40 | 316.00 |
| 3768448.19 | 315.50 | 315.00 | 314.90 | 316.90 | 317.00 | 317.30 | 316.60 | 316.20 | 315.20 |
| 3768395.27 | 314.80 | 314.40 | 314.00 | 315.70 | 316.40 | 316.40 | 316.30 | 315.60 | 314.10 |



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

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 463806.78 | 463860.39 | 463914.00 |
|---|---|---|---|
| 3769453.67 | 326.00 | 325.70 | 325.40 |
| 3769400.75 | 324.70 | 324.80 | 324.80 |
| 3769347.83 | 324.00 | 323.80 | 323.80 |
| 3769294.91 | 323.70 | 323.20 | 322.90 |
| 3769241.99 | 323.40 | 322.90 | 322.20 |
| 3769189.07 | 323.40 | 322.90 | 321.80 |
| 3769136.15 | 322.80 | 322.70 | 321.80 |
| 3769083.23 | 322.10 | 321.80 | 321.50 |
| 3769030.31 | 321.30 | 320.90 | 320.80 |
| 3768977.39 | 320.50 | 320.10 | 320.30 |
| 3768924.47 | 319.70 | 319.40 | 319.50 |
| 3768871.55 | 319.10 | 318.50 | 318.50 |
| 3768818.63 | 318.80 | 318.00 | 317.60 |
| 3768765.71 | 318.20 | 317.60 | 316.80 |
| 3768712.79 | 317.80 | 317.20 | 316.50 |
| 3768659.87 | 317.30 | 316.60 | 316.10 |
| 3768606.95 | 316.80 | 316.00 | 315.50 |
| 3768554.03 | 316.30 | 315.70 | 314.90 |
| 3768501.11 | 315.70 | 315.50 | 314.60 |
| 3768448.19 | 315.00 | 314.80 | 314.30 |
| 3768395.27 | 314.10 | 314.10 | 313.70 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 462841.80 | 462895.41 | 462949.02 | 463002.63 | 463056.24 | 463109.85 | 463163.46 | 463217.07 | 463270.68 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 331.50 | 331.20 | 330.50 | 330.10 | 330.00 | 329.80 | 329.80 | 329.70 | 329.70 |
| 3769400.75 | 331.10 | 330.30 | 329.90 | 329.30 | 329.00 | 329.10 | 329.50 | 329.40 | 329.40 |
| 3769347.83 | 330.50 | 329.60 | 328.90 | 328.50 | 328.20 | 328.30 | 328.60 | 328.80 | 328.80 |
| 3769294.91 | 329.70 | 329.00 | 328.10 | 327.90 | 327.60 | 327.70 | 327.80 | 328.20 | 328.40 |
| 3769241.99 | 328.80 | 328.20 | 327.60 | 327.20 | 326.90 | 326.80 | 326.90 | 327.30 | 327.50 |
| 3769189.07 | 327.60 | 327.30 | 326.70 | 326.70 | 326.10 | 325.80 | 326.00 | 326.40 | 326.70 |
| 3769136.15 | 326.70 | 326.70 | 326.10 | 326.20 | 325.60 | 325.20 | 325.40 | 325.80 | 325.90 |
| 3769083.23 | 326.30 | 326.30 | 325.80 | 325.50 | 325.10 | 324.70 | 324.60 | 324.90 | 324.90 |
| 3769030.31 | 325.90 | 325.70 | 325.30 | 324.80 | 324.60 | 324.30 | 323.80 | 323.90 | 323.70 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3768977.39 | 325.50 | 325.20 | 324.90 | 324.30 | 323.90 | 324.00 | 323.20 | 322.80 | 322.70 |
| 3768924.47 | 324.20 | 324.10 | 323.60 | 323.30 | 323.20 | 323.50 | 322.80 | 322.10 | 321.90 |
| 3768871.55 | 323.40 | 323.90 | 322.50 | 322.60 | 322.60 | 323.10 | 322.30 | 321.40 | 321.20 |
| 3768818.63 | 323.00 | 323.00 | 322.00 | 321.90 | 322.00 | 322.30 | 321.60 | 320.70 | 320.50 |
| 3768765.71 | 321.90 | 321.60 | 321.30 | 321.30 | 321.40 | 321.30 | 320.70 | 319.90 | 319.90 |
| 3768712.79 | 321.60 | 320.90 | 320.30 | 320.60 | 320.70 | 320.70 | 320.10 | 319.30 | 319.10 |
| 3768659.87 | 320.60 | 320.10 | 319.90 | 320.10 | 320.00 | 320.00 | 319.50 | 318.80 | 318.40 |
| 3768606.95 | 319.80 | 319.50 | 319.20 | 319.40 | 319.30 | 319.30 | 318.90 | 318.20 | 317.70 |
| 3768554.03 | 319.00 | 318.80 | 318.40 | 318.50 | 318.60 | 318.40 | 318.00 | 317.50 | 316.90 |
| 3768501.11 | 318.30 | 318.20 | 317.80 | 317.90 | 317.80 | 317.70 | 317.40 | 317.10 | 316.70 |
| 3768448.19 | 317.70 | 317.60 | 317.40 | 317.20 | 317.10 | 316.90 | 316.60 | 316.40 | 316.20 |
| 3768395.27 | 316.90 | 316.80 | 316.80 | 316.40 | 316.30 | 316.20 | 315.90 | 316.00 | 315.60 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 463324.29 | 463377.90 | 463431.51 | 463485.12 | 463538.73 | 463592.34 | 463645.95 | 463699.56 | 463753.17 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 329.60 | 329.00 | 329.90 | 330.00 | 329.90 | 328.80 | 327.90 | 327.40 | 327.00 |
| 3769400.75 | 329.50 | 329.20 | 329.40 | 329.60 | 329.40 | 328.10 | 327.20 | 326.80 | 325.90 |
| 3769347.83 | 328.50 | 328.50 | 329.00 | 329.10 | 329.20 | 327.60 | 326.50 | 326.10 | 325.30 |
| 3769294.91 | 327.70 | 328.00 | 328.10 | 328.00 | 327.90 | 327.00 | 325.40 | 324.80 | 324.20 |
| 3769241.99 | 327.30 | 327.50 | 327.30 | 327.40 | 327.10 | 326.20 | 325.10 | 324.50 | 324.00 |
| 3769189.07 | 326.50 | 326.70 | 326.40 | 326.80 | 326.00 | 325.10 | 323.60 | 323.60 | 323.40 |
| 3769136.15 | 325.70 | 326.10 | 325.80 | 326.30 | 325.20 | 324.50 | 322.80 | 323.00 | 322.70 |
| 3769083.23 | 325.10 | 325.20 | 325.30 | 325.70 | 324.70 | 324.10 | 322.40 | 322.40 | 322.10 |
| 3769030.31 | 324.60 | 324.70 | 324.80 | 325.20 | 324.30 | 323.70 | 322.00 | 321.90 | 321.40 |
| 3768977.39 | 323.50 | 324.20 | 324.20 | 324.50 | 323.80 | 323.10 | 321.50 | 321.20 | 320.80 |
| 3768924.47 | 322.20 | 323.30 | 323.60 | 324.00 | 324.20 | 322.70 | 321.70 | 321.00 | 320.30 |
| 3768871.55 | 321.10 | 322.10 | 323.10 | 323.40 | 323.20 | 321.70 | 320.70 | 320.10 | 319.70 |
| 3768818.63 | 320.20 | 321.00 | 322.40 | 322.50 | 322.40 | 321.50 | 320.70 | 319.80 | 319.40 |
| 3768765.71 | 319.50 | 320.60 | 321.60 | 321.30 | 321.20 | 320.80 | 320.00 | 319.30 | 318.60 |
| 3768712.79 | 318.90 | 320.00 | 320.80 | 320.80 | 320.80 | 320.20 | 319.40 | 318.90 | 318.30 |
| 3768659.87 | 318.20 | 319.00 | 320.10 | 320.10 | 320.00 | 319.60 | 319.00 | 318.40 | 317.80 |
| 3768606.95 | 317.70 | 318.20 | 319.30 | 319.40 | 319.30 | 319.10 | 317.90 | 317.40 | 317.20 |
| 3768554.03 | 316.90 | 316.80 | 318.10 | 318.70 | 318.30 | 318.40 | 317.10 | 316.60 | 316.60 |
| 3768501.11 | 316.20 | 315.80 | 316.20 | 318.00 | 317.80 | 318.00 | 316.90 | 316.40 | 316.00 |
| 3768448.19 | 315.50 | 315.00 | 314.90 | 316.90 | 317.00 | 317.30 | 316.60 | 316.20 | 315.20 |
| 3768395.27 | 314.80 | 314.40 | 314.00 | 315.70 | 316.40 | 316.40 | 316.30 | 315.60 | 314.10 |

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

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 463806.78 | 463860.39 | 463914.00 |
|---|---|---|---|
| 3769453.67 | 326.00 | 325.70 | 325.40 |
| 3769400.75 | 324.70 | 324.80 | 324.80 |
| 3769347.83 | 324.00 | 323.80 | 323.80 |
| 3769294.91 | 323.70 | 323.20 | 322.90 |
| 3769241.99 | 323.40 | 322.90 | 322.20 |
| 3769189.07 | 323.40 | 322.90 | 321.80 |
| 3769136.15 | 322.80 | 322.70 | 321.80 |
| 3769083.23 | 322.10 | 321.80 | 321.50 |
| 3769030.31 | 321.30 | 320.90 | 320.80 |
| 3768977.39 | 320.50 | 320.10 | 320.30 |
| 3768924.47 | 319.70 | 319.40 | 319.50 |
| 3768871.55 | 319.10 | 318.50 | 318.50 |
| 3768818.63 | 318.80 | 318.00 | 317.60 |
| 3768765.71 | 318.20 | 317.60 | 316.80 |
| 3768712.79 | 317.80 | 317.20 | 316.50 |
| 3768659.87 | 317.30 | 316.60 | 316.10 |
| 3768606.95 | 316.80 | 316.00 | 315.50 |
| 3768554.03 | 316.30 | 315.70 | 314.90 |
| 3768501.11 | 315.70 | 315.50 | 314.60 |
| 3768448.19 | 315.00 | 314.80 | 314.30 |
| 3768395.27 | 314.10 | 314.10 | 313.70 |





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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ( 463254.2, | 3768833.6, | 320.7, | 320.7, | 0.0); | ( 463393.1, | 3768834.1, | 321.8, | 321.8, | 0.0); |
| ( 463394.8, | 3768875.6, | 322.7, | 322.7, | 0.0); | ( 463431.0, | 3769285.9, | 328.0, | 328.0, | 0.0); |
| ( 463500.5, | 3769068.7, | 325.8, | 325.8, | 0.0); | ( 463480.0, | 3768844.4, | 323.2, | 323.2, | 0.0); |
| ( 463443.5, | 3768760.5, | 321.4, | 321.4, | 0.0); | ( 463430.2, | 3768626.9, | 319.6, | 319.6, | 0.0); |
| ( 463263.2, | 3768577.4, | 317.1, | 317.1, | 0.0); | ( 463191.5, | 3768499.3, | 317.2, | 317.2, | 0.0); |
| ( 463093.3, | 3768680.6, | 320.2, | 320.2, | 0.0); | | | | | |

*** MODELOPTs:  RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

| SOURCE ID | - - RECEPTOR LOCATION - - XR (METERS) | YR (METERS) | DISTANCE (METERS) |
|---|---|---|---|
| L0008272 | 463270.7 | 3768659.9 | -0.41 |
| L0008273 | 463270.7 | 3768659.9 | -5.78 |
| L0008279 | 463324.3 | 3768659.9 | -5.74 |
| L0008280 | 463324.3 | 3768659.9 | -0.77 |



*** MODELOPTs:  RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

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

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

1.54,  3.09,  5.14,  8.23,  10.80,



*** MODELOPTs:  RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

Surface file:  E:\New MET data\FONT_V9_ADJU\FONT_v9.SFC  Met Version:  16216
Profile file:  E:\New MET data\FONT_V9_ADJU\FONT_v9.PFL
Surface format: FREE

Profile format: FREE
Surface station no.: 3102 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2011 Year: 2011

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 01 | 01 | 1 | 01 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 204. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 69. | 9.1 | 276.4 | 5.5 |
| 11 | 01 | 01 | 1 | 02 | -23.8 | 0.239 | -9.000 | -9.000 | -999. | 281. | 63.0 | 0.25 | 2.82 | 1.00 | 2.20 | 52. | 9.1 | 275.4 | 5.5 |
| 11 | 01 | 01 | 1 | 03 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 205. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 32. | 9.1 | 275.4 | 5.5 |
| 11 | 01 | 01 | 1 | 04 | -1.4 | 0.067 | -9.000 | -9.000 | -999. | 57. | 18.3 | 0.25 | 2.82 | 1.00 | 0.40 | 27. | 9.1 | 274.2 | 5.5 |
| 11 | 01 | 01 | 1 | 05 | -18.6 | 0.194 | -9.000 | -9.000 | -999. | 204. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 51. | 9.1 | 274.2 | 5.5 |
| 11 | 01 | 01 | 1 | 06 | -29.7 | 0.296 | -9.000 | -9.000 | -999. | 387. | 96.6 | 0.25 | 2.82 | 1.00 | 2.70 | 53. | 9.1 | 274.2 | 5.5 |
| 11 | 01 | 01 | 1 | 07 | -24.0 | 0.239 | -9.000 | -9.000 | -999. | 282. | 63.0 | 0.25 | 2.82 | 1.00 | 2.20 | 70. | 9.1 | 274.2 | 5.5 |
| 11 | 01 | 01 | 1 | 08 | -8.4 | 0.138 | -9.000 | -9.000 | -999. | 127. | 27.3 | 0.25 | 2.82 | 0.54 | 1.30 | 72. | 9.1 | 275.4 | 5.5 |
| 11 | 01 | 01 | 1 | 09 | 44.3 | 0.280 | 0.571 | 0.005 | 147. | 356. | -43.5 | 0.25 | 2.82 | 0.32 | 2.20 | 67. | 9.1 | 277.5 | 5.5 |
| 11 | 01 | 01 | 1 | 10 | 122.7 | 0.264 | 0.952 | 0.005 | 247. | 326. | -13.2 | 0.25 | 2.82 | 0.25 | 1.80 | 83. | 9.1 | 279.9 | 5.5 |
| 11 | 01 | 01 | 1 | 11 | 179.8 | 0.316 | 1.733 | 0.005 | 1017. | 426. | -15.4 | 0.25 | 2.82 | 0.22 | 2.20 | 58. | 9.1 | 282.0 | 5.5 |
| 11 | 01 | 01 | 1 | 12 | 206.0 | 0.320 | 1.940 | 0.008 | 1244. | 435. | -14.0 | 0.25 | 2.82 | 0.21 | 2.20 | 115. | 9.1 | 283.1 | 5.5 |
| 11 | 01 | 01 | 1 | 13 | 132.6 | 0.214 | 1.733 | 0.009 | 1377. | 243. | -6.5 | 0.25 | 2.82 | 0.21 | 1.30 | 147. | 9.1 | 284.2 | 5.5 |
| 11 | 01 | 01 | 1 | 14 | 147.0 | 0.216 | 1.818 | 0.009 | 1431. | 242. | -6.0 | 0.25 | 2.82 | 0.23 | 1.30 | 219. | 9.1 | 284.9 | 5.5 |
| 11 | 01 | 01 | 1 | 15 | 104.0 | 0.208 | 1.633 | 0.009 | 1468. | 228. | -7.6 | 0.25 | 2.82 | 0.26 | 1.30 | 126. | 9.1 | 285.4 | 5.5 |
| 11 | 01 | 01 | 1 | 16 | 26.4 | 0.140 | 1.037 | 0.009 | 1477. | 127. | -9.1 | 0.25 | 2.82 | 0.35 | 0.90 | 151. | 9.1 | 284.9 | 5.5 |
| 11 | 01 | 01 | 1 | 17 | -9.0 | 0.137 | -9.000 | -9.000 | -999. | 121. | 24.9 | 0.25 | 2.82 | 0.63 | 1.30 | 69. | 9.1 | 283.1 | 5.5 |
| 11 | 01 | 01 | 1 | 18 | -33.4 | 0.342 | -9.000 | -9.000 | -999. | 481. | 129.0 | 0.25 | 2.82 | 1.00 | 3.10 | 81. | 9.1 | 281.4 | 5.5 |
| 11 | 01 | 01 | 1 | 19 | -33.6 | 0.342 | -9.000 | -9.000 | -999. | 481. | 128.9 | 0.25 | 2.82 | 1.00 | 3.10 | 51. | 9.1 | 279.9 | 5.5 |
| 11 | 01 | 01 | 1 | 20 | -23.6 | 0.239 | -9.000 | -9.000 | -999. | 287. | 63.1 | 0.25 | 2.82 | 1.00 | 2.20 | 77. | 9.1 | 278.8 | 5.5 |
| 11 | 01 | 01 | 1 | 21 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 205. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 53. | 9.1 | 277.5 | 5.5 |
| 11 | 01 | 01 | 1 | 22 | -23.7 | 0.239 | -9.000 | -9.000 | -999. | 281. | 63.0 | 0.25 | 2.82 | 1.00 | 2.20 | 58. | 9.1 | 277.5 | 5.5 |
| 11 | 01 | 01 | 1 | 23 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 205. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 64. | 9.1 | 277.5 | 5.5 |
| 11 | 01 | 01 | 1 | 24 | -4.5 | 0.094 | -9.000 | -9.000 | -999. | 74. | 16.3 | 0.25 | 2.82 | 1.00 | 0.90 | 52. | 9.1 | 277.0 | 5.5 |

First hour of profile data

| YR | MO | DY | HR | HEIGHT | F | WDIR | WSPD | AMB_TMP | sigmaA | sigmaW | sigmaV |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 01 | 01 | 01 | 5.5 | 0 | -999. | -99.00 | 276.5 | 99.0 | -99.00 | -99.00 |
| 11 | 01 | 01 | 01 | 9.1 | 1 | 69. | 1.80 | -999.0 | 99.0 | -99.00 | -99.00 |

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

*** AERMOD - VERSION 21112 *** *** 19349 Bloomington Truck Storage *** 10/15/21
*** AERMET - VERSION 16216 *** *** DPM Concentrations 2024-2037 Rev-1 *** 13:27:29
PAGE 23

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008150 , L0008151 , L0008152 , L0008153 , L0008154 ,
L0008155 , L0008156 , L0008157 , L0008158 , L0008159 , L0008160 , L0008161 , L0008162 ,
L0008163 , L0008164 , L0008165 , L0008166 , L0008167 , L0008168 , L0008169 , L0008170 ,
L0008171 , L0008172 , L0008173 , L0008174 , L0008175 , L0008176 , L0008177 , . . . ,

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

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

| Y-COORD (METERS) | X-COORD (METERS) 462841.80 | 462895.41 | 462949.02 | 463002.63 | 463056.24 | 463109.85 | 463163.46 | 463217.07 | 463270.68 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 0.00013 | 0.00014 | 0.00016 | 0.00018 | 0.00020 | 0.00022 | 0.00024 | 0.00028 | 0.00033 |
| 3769400.75 | 0.00014 | 0.00016 | 0.00018 | 0.00020 | 0.00022 | 0.00025 | 0.00028 | 0.00033 | 0.00041 |
| 3769347.83 | 0.00016 | 0.00018 | 0.00020 | 0.00023 | 0.00025 | 0.00028 | 0.00032 | 0.00038 | 0.00049 |
| 3769294.91 | 0.00018 | 0.00020 | 0.00023 | 0.00025 | 0.00029 | 0.00032 | 0.00037 | 0.00044 | 0.00056 |
| 3769241.99 | 0.00020 | 0.00022 | 0.00025 | 0.00028 | 0.00032 | 0.00037 | 0.00042 | 0.00050 | 0.00063 |
| 3769189.07 | 0.00022 | 0.00025 | 0.00028 | 0.00032 | 0.00037 | 0.00042 | 0.00048 | 0.00057 | 0.00071 |
| 3769136.15 | 0.00024 | 0.00027 | 0.00031 | 0.00036 | 0.00041 | 0.00049 | 0.00055 | 0.00065 | 0.00080 |
| 3769083.23 | 0.00026 | 0.00030 | 0.00035 | 0.00041 | 0.00048 | 0.00057 | 0.00066 | 0.00077 | 0.00093 |
| 3769030.31 | 0.00029 | 0.00033 | 0.00039 | 0.00047 | 0.00056 | 0.00068 | 0.00082 | 0.00096 | 0.00115 |
| 3768977.39 | 0.00031 | 0.00037 | 0.00044 | 0.00055 | 0.00068 | 0.00083 | 0.00103 | 0.00124 | 0.00146 |
| 3768924.47 | 0.00036 | 0.00043 | 0.00052 | 0.00065 | 0.00081 | 0.00102 | 0.00134 | 0.00169 | 0.00202 |
| 3768871.55 | 0.00039 | 0.00046 | 0.00058 | 0.00073 | 0.00095 | 0.00128 | 0.00184 | 0.00272 | 0.00340 |
| 3768818.63 | 0.00041 | 0.00050 | 0.00063 | 0.00081 | 0.00108 | 0.00155 | 0.00257 | 0.00674 | 0.00942 |
| 3768765.71 | 0.00043 | 0.00053 | 0.00066 | 0.00086 | 0.00118 | 0.00177 | 0.00310 | 0.00803 | 0.01218 |
| 3768712.79 | 0.00044 | 0.00054 | 0.00068 | 0.00089 | 0.00123 | 0.00185 | 0.00324 | 0.00750 | 0.01079 |
| 3768659.87 | 0.00044 | 0.00054 | 0.00067 | 0.00088 | 0.00121 | 0.00179 | 0.00307 | 0.00806 | 0.01335 |
| 3768606.95 | 0.00043 | 0.00052 | 0.00065 | 0.00083 | 0.00112 | 0.00159 | 0.00245 | 0.00430 | 0.00534 |
| 3768554.03 | 0.00042 | 0.00050 | 0.00061 | 0.00077 | 0.00099 | 0.00131 | 0.00177 | 0.00230 | 0.00275 |
| 3768501.11 | 0.00040 | 0.00047 | 0.00056 | 0.00069 | 0.00085 | 0.00106 | 0.00130 | 0.00157 | 0.00183 |
| 3768448.19 | 0.00037 | 0.00044 | 0.00051 | 0.00061 | 0.00073 | 0.00086 | 0.00101 | 0.00117 | 0.00127 |
| 3768395.27 | 0.00035 | 0.00040 | 0.00046 | 0.00054 | 0.00062 | 0.00071 | 0.00080 | 0.00089 | 0.00092 |

*** AERMOD - VERSION 21112 *** *** 19349 Bloomington Truck Storage *** 10/15/21
*** AERMET - VERSION 16216 *** *** DPM Concentrations 2024-2037 Rev-1 *** 13:27:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008150 , L0008151 , L0008152 , L0008153 , L0008154 ,
L0008155 , L0008156 , L0008157 , L0008158 , L0008159 , L0008160 , L0008161 , L0008162 ,
L0008163 , L0008164 , L0008165 , L0008166 , L0008167 , L0008168 , L0008169 , L0008170 ,
L0008171 , L0008172 , L0008173 , L0008174 , L0008175 , L0008176 , L0008177 , . . . ,

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

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

| Y-COORD (METERS) | X-COORD (METERS) 463324.29 | 463377.90 | 463431.51 | 463485.12 | 463538.73 | 463592.34 | 463645.95 | 463699.56 | 463753.17 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 0.00042 | 0.00058 | 0.00067 | 0.00053 | 0.00043 | 0.00037 | 0.00033 | 0.00030 | 0.00028 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3769400.75 | 0.00057 | 0.00117 | 0.00241 | 0.00083 | 0.00055 | 0.00044 | 0.00038 | 0.00035 | 0.00032 |
| 3769347.83 | 0.00071 | 0.00157 | 0.00307 | 0.00103 | 0.00066 | 0.00052 | 0.00044 | 0.00040 | 0.00036 |
| 3769294.91 | 0.00082 | 0.00173 | 0.00324 | 0.00116 | 0.00075 | 0.00058 | 0.00050 | 0.00045 | 0.00040 |
| 3769241.99 | 0.00091 | 0.00182 | 0.00336 | 0.00125 | 0.00083 | 0.00066 | 0.00056 | 0.00050 | 0.00045 |
| 3769189.07 | 0.00099 | 0.00191 | 0.00346 | 0.00134 | 0.00091 | 0.00073 | 0.00063 | 0.00056 | 0.00050 |
| 3769136.15 | 0.00108 | 0.00200 | 0.00359 | 0.00144 | 0.00101 | 0.00082 | 0.00070 | 0.00062 | 0.00055 |
| 3769083.23 | 0.00121 | 0.00212 | 0.00374 | 0.00157 | 0.00113 | 0.00093 | 0.00079 | 0.00069 | 0.00061 |
| 3769030.31 | 0.00139 | 0.00230 | 0.00394 | 0.00175 | 0.00130 | 0.00107 | 0.00090 | 0.00078 | 0.00067 |
| 3768977.39 | 0.00174 | 0.00261 | 0.00425 | 0.00202 | 0.00152 | 0.00123 | 0.00103 | 0.00087 | 0.00073 |
| 3768924.47 | 0.00234 | 0.00316 | 0.00475 | 0.00242 | 0.00183 | 0.00145 | 0.00118 | 0.00096 | 0.00079 |
| 3768871.55 | 0.00367 | 0.00426 | 0.00562 | 0.00298 | 0.00219 | 0.00168 | 0.00132 | 0.00103 | 0.00082 |
| 3768818.63 | 0.00727 | 0.00678 | 0.00696 | 0.00367 | 0.00259 | 0.00189 | 0.00140 | 0.00106 | 0.00082 |
| 3768765.71 | 0.01889 | 0.01517 | 0.00858 | 0.00433 | 0.00281 | 0.00192 | 0.00137 | 0.00101 | 0.00078 |
| 3768712.79 | 0.01398 | 0.01189 | 0.00777 | 0.00414 | 0.00249 | 0.00168 | 0.00120 | 0.00090 | 0.00070 |
| 3768659.87 | 0.00990 | 0.01849 | 0.00461 | 0.00270 | 0.00182 | 0.00131 | 0.00099 | 0.00077 | 0.00062 |
| 3768606.95 | 0.00535 | 0.00424 | 0.00278 | 0.00188 | 0.00135 | 0.00103 | 0.00081 | 0.00065 | 0.00054 |
| 3768554.03 | 0.00304 | 0.00220 | 0.00182 | 0.00137 | 0.00107 | 0.00084 | 0.00068 | 0.00056 | 0.00047 |
| 3768501.11 | 0.00183 | 0.00142 | 0.00125 | 0.00105 | 0.00085 | 0.00070 | 0.00058 | 0.00049 | 0.00042 |
| 3768448.19 | 0.00122 | 0.00100 | 0.00092 | 0.00081 | 0.00069 | 0.00058 | 0.00050 | 0.00043 | 0.00037 |
| 3768395.27 | 0.00086 | 0.00075 | 0.00070 | 0.00064 | 0.00056 | 0.00049 | 0.00043 | 0.00038 | 0.00033 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008150 , L0008151 , L0008152 , L0008153 , L0008154 ,
L0008155 , L0008156 , L0008157 , L0008158 , L0008159 , L0008160 , L0008161 , L0008162 ,
L0008163 , L0008164 , L0008165 , L0008166 , L0008167 , L0008168 , L0008169 , L0008170 ,
L0008171 , L0008172 , L0008173 , L0008174 , L0008175 , L0008176 , L0008177 , . . . ,

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

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

| Y-COORD (METERS) | X-COORD (METERS) 463806.78 | 463860.39 | 463914.00 |
|---|---|---|---|
| 3769453.67 | 0.00027 | 0.00026 | 0.00025 |
| 3769400.75 | 0.00030 | 0.00029 | 0.00027 |
| 3769347.83 | 0.00033 | 0.00031 | 0.00029 |
| 3769294.91 | 0.00037 | 0.00034 | 0.00031 |
| 3769241.99 | 0.00041 | 0.00037 | 0.00034 |
| 3769189.07 | 0.00045 | 0.00041 | 0.00037 |
| 3769136.15 | 0.00049 | 0.00044 | 0.00040 |
| 3769083.23 | 0.00054 | 0.00048 | 0.00042 |
| 3769030.31 | 0.00058 | 0.00050 | 0.00044 |
| 3768977.39 | 0.00062 | 0.00053 | 0.00046 |
| 3768924.47 | 0.00065 | 0.00054 | 0.00046 |

```
 3768871.55 |       0.00066      0.00054      0.00046
 3768818.63 |       0.00065      0.00053      0.00044
 3768765.71 |       0.00062      0.00050      0.00042
 3768712.79 |       0.00056      0.00046      0.00039
 3768659.87 |       0.00051      0.00042      0.00036
 3768606.95 |       0.00045      0.00038      0.00033
 3768554.03 |       0.00040      0.00035      0.00030
 3768501.11 |       0.00036      0.00031      0.00028
 3768448.19 |       0.00032      0.00029      0.00025
 3768395.27 |       0.00029      0.00026      0.00023
```



```
                         *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL      ***
                             INCLUDING SOURCE(S):     L0008150    , L0008151    , L0008152    , L0008153    , L0008154    ,
               L0008155    , L0008156    , L0008157    , L0008158    , L0008159    , L0008160    , L0008161    , L0008162    ,
               L0008163    , L0008164    , L0008165    , L0008166    , L0008167    , L0008168    , L0008169    , L0008170    ,
               L0008171    , L0008172    , L0008173    , L0008174    , L0008175    , L0008176    , L0008177    ,  . . .      ,

                                     *** 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        463254.19    3768833.64        0.00694                     463393.14    3768834.12        0.00635
        463394.80    3768875.62        0.00500                     463430.97    3769285.89        0.00332
        463500.45    3769068.72        0.00144                     463479.95    3768844.42        0.00345
        463443.46    3768760.52        0.00692                     463430.19    3768626.86        0.00337
        463263.21    3768577.44        0.00341                     463191.53    3768499.27        0.00143
        463093.30    3768680.58        0.00160
```



```
                                 *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***


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

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

ALL       1ST HIGHEST VALUE IS       0.01889 AT (  463324.29,  3768765.71,   319.50,   319.50,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS       0.01849 AT (  463377.90,  3768659.87,   319.00,   319.00,    0.00)  GC  UCART1
```

```
         3RD HIGHEST VALUE IS       0.01517 AT (  463377.90,  3768765.71,   320.60,   320.60,    0.00)  GC  UCART1
         4TH HIGHEST VALUE IS       0.01398 AT (  463324.29,  3768712.79,   318.90,   318.90,    0.00)  GC  UCART1
         5TH HIGHEST VALUE IS       0.01335 AT (  463270.68,  3768659.87,   318.40,   318.40,    0.00)  GC  UCART1
         6TH HIGHEST VALUE IS       0.01218 AT (  463270.68,  3768765.71,   319.90,   319.90,    0.00)  GC  UCART1
         7TH HIGHEST VALUE IS       0.01189 AT (  463377.90,  3768712.79,   320.00,   320.00,    0.00)  GC  UCART1
         8TH HIGHEST VALUE IS       0.01079 AT (  463270.68,  3768712.79,   319.10,   319.10,    0.00)  GC  UCART1
         9TH HIGHEST VALUE IS       0.00990 AT (  463324.29,  3768659.87,   318.20,   318.20,    0.00)  GC  UCART1
        10TH HIGHEST VALUE IS       0.00942 AT (  463270.68,  3768818.63,   320.50,   320.50,    0.00)  GC  UCART1


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

*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                    ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations 2024-2037 Rev-1                                ***        13:27:29
                                                                                                                     PAGE  28
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

A Total of            0 Fatal Error Message(s)
A Total of           12 Warning Message(s)
A Total of          838 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of           40 Calm Hours Identified

A Total of          798 Missing Hours Identified (  1.82 Percent)


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


   ********   WARNING MESSAGES   ********
SO W320     408        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     410        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     412        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     414        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     416        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
ME W186     795       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used           0.50
ME W187     795       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12010216
MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12042516
MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =                    12113003
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:      15010101
```

```
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:    1 year gap

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

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.1
** Lakes Environmental Software Inc.
** Date: 10/15/2021
** File: C:\Lakes\AERMOD View\19394 Bloomington Truck Storage 2038-2051 rev 1\19394 Bloomington Truck Storage 2038-2051 rev 1.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE 19349 Bloomington Truck Storage
   TITLETWO DPM Concentrations 2038-2051 Rev 1
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2035210 County_of_San_Bernardino
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "19394 Bloomington Truck Storage 2038-2051 rev 1.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 Cedar Avenue, Project Driveway toward I-10 Freeway
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.0000215
** Elevated
** Vertical Dimension = 7.00
** SZINIT = 1.63
** Nodes = 2
** 463416.235, 3768744.921, 321.08, 3.50, 4.00
** 463414.315, 3769418.372, 329.50, 3.50, 4.00
```

```
** ------------------------------------------------------------------
   LOCATION L0008358     VOLUME   463416.223 3768749.217 321.27
   LOCATION L0008359     VOLUME   463416.198 3768757.807 321.40
   LOCATION L0008360     VOLUME   463416.174 3768766.398 321.54
   LOCATION L0008361     VOLUME   463416.149 3768774.989 321.66
   LOCATION L0008362     VOLUME   463416.125 3768783.580 321.78
   LOCATION L0008363     VOLUME   463416.100 3768792.170 321.90
   LOCATION L0008364     VOLUME   463416.076 3768800.761 322.02
   LOCATION L0008365     VOLUME   463416.051 3768809.352 322.13
   LOCATION L0008366     VOLUME   463416.027 3768817.943 322.24
   LOCATION L0008367     VOLUME   463416.002 3768826.533 322.34
   LOCATION L0008368     VOLUME   463415.978 3768835.124 322.45
   LOCATION L0008369     VOLUME   463415.953 3768843.715 322.58
   LOCATION L0008370     VOLUME   463415.929 3768852.306 322.71
   LOCATION L0008371     VOLUME   463415.904 3768860.897 322.83
   LOCATION L0008372     VOLUME   463415.880 3768869.487 322.96
   LOCATION L0008373     VOLUME   463415.855 3768878.078 323.09
   LOCATION L0008374     VOLUME   463415.831 3768886.669 323.21
   LOCATION L0008375     VOLUME   463415.806 3768895.260 323.34
   LOCATION L0008376     VOLUME   463415.782 3768903.850 323.43
   LOCATION L0008377     VOLUME   463415.757 3768912.441 323.53
   LOCATION L0008378     VOLUME   463415.733 3768921.032 323.62
   LOCATION L0008379     VOLUME   463415.708 3768929.623 323.72
   LOCATION L0008380     VOLUME   463415.684 3768938.213 323.83
   LOCATION L0008381     VOLUME   463415.659 3768946.804 323.93
   LOCATION L0008382     VOLUME   463415.635 3768955.395 324.03
   LOCATION L0008383     VOLUME   463415.610 3768963.986 324.13
   LOCATION L0008384     VOLUME   463415.586 3768972.576 324.22
   LOCATION L0008385     VOLUME   463415.561 3768981.167 324.31
   LOCATION L0008386     VOLUME   463415.537 3768989.758 324.40
   LOCATION L0008387     VOLUME   463415.512 3768998.349 324.48
   LOCATION L0008388     VOLUME   463415.488 3769006.940 324.56
   LOCATION L0008389     VOLUME   463415.463 3769015.530 324.64
   LOCATION L0008390     VOLUME   463415.439 3769024.121 324.70
   LOCATION L0008391     VOLUME   463415.414 3769032.712 324.77
   LOCATION L0008392     VOLUME   463415.390 3769041.303 324.83
   LOCATION L0008393     VOLUME   463415.365 3769049.893 324.89
   LOCATION L0008394     VOLUME   463415.341 3769058.484 324.97
   LOCATION L0008395     VOLUME   463415.316 3769067.075 325.04
   LOCATION L0008396     VOLUME   463415.292 3769075.666 325.12
   LOCATION L0008397     VOLUME   463415.267 3769084.256 325.20
   LOCATION L0008398     VOLUME   463415.243 3769092.847 325.29
   LOCATION L0008399     VOLUME   463415.218 3769101.438 325.39
   LOCATION L0008400     VOLUME   463415.194 3769110.029 325.48
   LOCATION L0008401     VOLUME   463415.169 3769118.619 325.57
   LOCATION L0008402     VOLUME   463415.145 3769127.210 325.67
   LOCATION L0008403     VOLUME   463415.121 3769135.801 325.77
   LOCATION L0008404     VOLUME   463415.096 3769144.392 325.87
   LOCATION L0008405     VOLUME   463415.072 3769152.983 325.96
   LOCATION L0008406     VOLUME   463415.047 3769161.573 326.06
   LOCATION L0008407     VOLUME   463415.023 3769170.164 326.16
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   LOCATION L0008408     VOLUME   463414.998 3769178.755 326.28
   LOCATION L0008409     VOLUME   463414.974 3769187.346 326.41
   LOCATION L0008410     VOLUME   463414.949 3769195.936 326.53
   LOCATION L0008411     VOLUME   463414.925 3769204.527 326.67
   LOCATION L0008412     VOLUME   463414.900 3769213.118 326.80
   LOCATION L0008413     VOLUME   463414.876 3769221.709 326.94
   LOCATION L0008414     VOLUME   463414.851 3769230.299 327.08
   LOCATION L0008415     VOLUME   463414.827 3769238.890 327.23
   LOCATION L0008416     VOLUME   463414.802 3769247.481 327.39
   LOCATION L0008417     VOLUME   463414.778 3769256.072 327.56
   LOCATION L0008418     VOLUME   463414.753 3769264.662 327.72
   LOCATION L0008419     VOLUME   463414.729 3769273.253 327.84
   LOCATION L0008420     VOLUME   463414.704 3769281.844 327.97
   LOCATION L0008421     VOLUME   463414.680 3769290.435 328.09
   LOCATION L0008422     VOLUME   463414.655 3769299.026 328.21
   LOCATION L0008423     VOLUME   463414.631 3769307.616 328.31
   LOCATION L0008424     VOLUME   463414.606 3769316.207 328.42
   LOCATION L0008425     VOLUME   463414.582 3769324.798 328.53
   LOCATION L0008426     VOLUME   463414.557 3769333.389 328.63
   LOCATION L0008427     VOLUME   463414.533 3769341.979 328.74
   LOCATION L0008428     VOLUME   463414.508 3769350.570 328.84
   LOCATION L0008429     VOLUME   463414.484 3769359.161 328.94
   LOCATION L0008430     VOLUME   463414.459 3769367.752 329.02
   LOCATION L0008431     VOLUME   463414.435 3769376.342 329.11
   LOCATION L0008432     VOLUME   463414.410 3769384.933 329.19
   LOCATION L0008433     VOLUME   463414.386 3769393.524 329.27
   LOCATION L0008434     VOLUME   463414.361 3769402.115 329.36
   LOCATION L0008435     VOLUME   463414.337 3769410.705 329.44
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC On-Site Truck Travel from Project Driveway to Truck Spaces
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.0000254
** Elevated
** Building Height = 7.01
** SZINIT = 3.26
** Nodes = 10
** 463412.175, 3768746.397, 321.09, 3.50, 4.00
** 463336.045, 3768745.986, 319.18, 3.50, 4.00
** 463335.445, 3768790.874, 319.76, 3.50, 4.00
** 463235.736, 3768790.651, 320.21, 3.50, 4.00
** 463234.933, 3768657.116, 318.52, 3.50, 4.00
** 463347.785, 3768657.317, 318.15, 3.50, 4.00
** 463347.040, 3768733.020, 319.20, 3.50, 4.00
** 463347.117, 3768736.467, 319.22, 3.50, 4.00
** 463345.547, 3768736.284, 319.21, 3.50, 4.00
** 463246.178, 3768736.032, 319.50, 3.50, 4.00
```

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** ----------------------------------------------------------------------
   LOCATION L0008436     VOLUME   463407.880 3768746.374 321.21
   LOCATION L0008437     VOLUME   463399.289 3768746.327 321.03
   LOCATION L0008438     VOLUME   463390.699 3768746.281 320.83
   LOCATION L0008439     VOLUME   463382.108 3768746.234 320.63
   LOCATION L0008440     VOLUME   463373.517 3768746.188 320.22
   LOCATION L0008441     VOLUME   463364.927 3768746.142 319.79
   LOCATION L0008442     VOLUME   463356.336 3768746.095 319.36
   LOCATION L0008443     VOLUME   463347.745 3768746.049 319.29
   LOCATION L0008444     VOLUME   463339.155 3768746.002 319.25
   LOCATION L0008445     VOLUME   463335.972 3768751.466 319.30
   LOCATION L0008446     VOLUME   463335.857 3768760.056 319.38
   LOCATION L0008447     VOLUME   463335.742 3768768.646 319.47
   LOCATION L0008448     VOLUME   463335.627 3768777.236 319.56
   LOCATION L0008449     VOLUME   463335.512 3768785.826 319.67
   LOCATION L0008450     VOLUME   463331.902 3768790.866 319.72
   LOCATION L0008451     VOLUME   463323.312 3768790.847 319.77
   LOCATION L0008452     VOLUME   463314.721 3768790.828 319.84
   LOCATION L0008453     VOLUME   463306.130 3768790.808 319.91
   LOCATION L0008454     VOLUME   463297.539 3768790.789 319.99
   LOCATION L0008455     VOLUME   463288.948 3768790.770 320.08
   LOCATION L0008456     VOLUME   463280.358 3768790.751 320.16
   LOCATION L0008457     VOLUME   463271.767 3768790.732 320.17
   LOCATION L0008458     VOLUME   463263.176 3768790.713 320.17
   LOCATION L0008459     VOLUME   463254.585 3768790.693 320.16
   LOCATION L0008460     VOLUME   463245.995 3768790.674 320.16
   LOCATION L0008461     VOLUME   463237.404 3768790.655 320.17
   LOCATION L0008462     VOLUME   463235.694 3768783.728 320.08
   LOCATION L0008463     VOLUME   463235.643 3768775.138 319.96
   LOCATION L0008464     VOLUME   463235.591 3768766.547 319.85
   LOCATION L0008465     VOLUME   463235.539 3768757.956 319.74
   LOCATION L0008466     VOLUME   463235.488 3768749.366 319.63
   LOCATION L0008467     VOLUME   463235.436 3768740.775 319.52
   LOCATION L0008468     VOLUME   463235.384 3768732.184 319.40
   LOCATION L0008469     VOLUME   463235.333 3768723.594 319.28
   LOCATION L0008470     VOLUME   463235.281 3768715.003 319.16
   LOCATION L0008471     VOLUME   463235.229 3768706.412 319.04
   LOCATION L0008472     VOLUME   463235.178 3768697.822 318.93
   LOCATION L0008473     VOLUME   463235.126 3768689.231 318.82
   LOCATION L0008474     VOLUME   463235.074 3768680.641 318.70
   LOCATION L0008475     VOLUME   463235.023 3768672.050 318.61
   LOCATION L0008476     VOLUME   463234.971 3768663.459 318.52
   LOCATION L0008477     VOLUME   463237.181 3768657.120 318.43
   LOCATION L0008478     VOLUME   463245.771 3768657.136 318.33
   LOCATION L0008479     VOLUME   463254.362 3768657.151 318.27
   LOCATION L0008480     VOLUME   463262.953 3768657.166 318.31
   LOCATION L0008481     VOLUME   463271.544 3768657.181 318.35
   LOCATION L0008482     VOLUME   463280.134 3768657.197 318.38
   LOCATION L0008483     VOLUME   463288.725 3768657.212 318.34
   LOCATION L0008484     VOLUME   463297.316 3768657.227 318.30
   LOCATION L0008485     VOLUME   463305.907 3768657.243 318.25
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   LOCATION L0008486     VOLUME   463314.498 3768657.258 318.21
   LOCATION L0008487     VOLUME   463323.088 3768657.273 318.16
   LOCATION L0008488     VOLUME   463331.679 3768657.288 318.14
   LOCATION L0008489     VOLUME   463340.270 3768657.304 318.17
   LOCATION L0008490     VOLUME   463347.775 3768658.393 318.22
   LOCATION L0008491     VOLUME   463347.690 3768666.983 318.32
   LOCATION L0008492     VOLUME   463347.605 3768675.573 318.42
   LOCATION L0008493     VOLUME   463347.521 3768684.164 318.53
   LOCATION L0008494     VOLUME   463347.436 3768692.754 318.65
   LOCATION L0008495     VOLUME   463347.352 3768701.345 318.76
   LOCATION L0008496     VOLUME   463347.267 3768709.935 318.88
   LOCATION L0008497     VOLUME   463347.183 3768718.525 318.98
   LOCATION L0008498     VOLUME   463347.098 3768727.116 319.08
   LOCATION L0008499     VOLUME   463347.100 3768735.706 319.17
   LOCATION L0008500     VOLUME   463339.298 3768736.268 319.15
   LOCATION L0008501     VOLUME   463330.708 3768736.246 319.11
   LOCATION L0008502     VOLUME   463322.117 3768736.225 319.16
   LOCATION L0008503     VOLUME   463313.526 3768736.203 319.23
   LOCATION L0008504     VOLUME   463304.935 3768736.181 319.29
   LOCATION L0008505     VOLUME   463296.345 3768736.159 319.34
   LOCATION L0008506     VOLUME   463287.754 3768736.138 319.40
   LOCATION L0008507     VOLUME   463279.163 3768736.116 319.46
   LOCATION L0008508     VOLUME   463270.572 3768736.094 319.45
   LOCATION L0008509     VOLUME   463261.981 3768736.072 319.44
   LOCATION L0008510     VOLUME   463253.391 3768736.051 319.43
** End of LINE VOLUME Source ID = SLINE2
   LOCATION STCK1        POINT      463399.472  3768747.191      321.050
** DESCRSRC Idle Location 1
   LOCATION STCK2        POINT      463350.489  3768746.620      319.300
** DESCRSRC Idle Location 2
   LOCATION STCK3        POINT      463338.837  3768800.271      319.840
** DESCRSRC Idle Location 3
   LOCATION STCK4        POINT      463242.784  3768802.580      320.320
** DESCRSRC Idle Location 4
   LOCATION STCK5        POINT      463251.406  3768747.984      319.600
** DESCRSRC Idle Location 5
   LOCATION STCK6        POINT      463304.041  3768747.736      319.430
** DESCRSRC Idle Location 6
   LOCATION STCK7        POINT      463235.874  3768695.968      318.900
** DESCRSRC Idle Location 7
   LOCATION STCK8        POINT      463250.054  3768645.973      318.150
** DESCRSRC Idle Location8
   LOCATION STCK9        POINT      463326.257  3768644.016      318.010
** DESCRSRC Idle Location 9 - aisle
   LOCATION STCK10       POINT      463370.825  3768676.187      319.030
** DESCRSRC Idle Location 10 - service bay
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0008358     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008359     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008360     0.0000002756      3.50      4.00      1.63
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SRCPARAM L0008361     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008362     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008363     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008364     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008365     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008366     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008367     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008368     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008369     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008370     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008371     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008372     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008373     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008374     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008375     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008376     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008377     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008378     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008379     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008380     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008381     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008382     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008383     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008384     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008385     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008386     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008387     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008388     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008389     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008390     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008391     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008392     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008393     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008394     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008395     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008396     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008397     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008398     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008399     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008400     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008401     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008402     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008403     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008404     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008405     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008406     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008407     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008408     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008409     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008410     0.0000002756      3.50      4.00      1.63
SRCPARAM L0008411     0.0000002756      3.50      4.00      1.63
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   SRCPARAM L0008412     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008413     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008414     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008415     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008416     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008417     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008418     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008419     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008420     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008421     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008422     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008423     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008424     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008425     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008426     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008427     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008428     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008429     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008430     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008431     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008432     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008433     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008434     0.0000002756      3.50      4.00      1.63
   SRCPARAM L0008435     0.0000002756      3.50      4.00      1.63
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0008436     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008437     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008438     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008439     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008440     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008441     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008442     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008443     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008444     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008445     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008446     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008447     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008448     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008449     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008450     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008451     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008452     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008453     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008454     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008455     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008456     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008457     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008458     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008459     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008460     0.0000003387      3.50      4.00      3.26
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   SRCPARAM L0008461     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008462     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008463     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008464     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008465     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008466     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008467     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008468     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008469     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008470     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008471     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008472     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008473     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008474     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008475     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008476     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008477     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008478     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008479     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008480     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008481     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008482     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008483     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008484     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008485     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008486     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008487     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008488     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008489     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008490     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008491     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008492     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008493     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008494     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008495     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008496     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008497     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008498     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008499     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008500     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008501     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008502     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008503     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008504     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008505     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008506     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008507     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008508     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008509     0.0000003387      3.50      4.00      3.26
   SRCPARAM L0008510     0.0000003387      3.50      4.00      3.26
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   SRCPARAM STCK1         5.49E-06     3.417   366.000  51.71000     0.100
   SRCPARAM STCK2         5.49E-06     3.417   366.000   0.00100     0.100
   SRCPARAM STCK3         5.49E-06     3.417   366.000  51.71000     0.100
   SRCPARAM STCK4         5.49E-06     3.417   366.000   0.00100     0.100
   SRCPARAM STCK5         5.49E-06     3.417   366.000  51.71000     0.100
   SRCPARAM STCK6         5.49E-06     3.417   366.000   0.00100     0.100
   SRCPARAM STCK7         5.49E-06     3.417   366.000  51.71000     0.100
   SRCPARAM STCK8         5.49E-06     3.417   366.000   0.00100     0.100
   SRCPARAM STCK9         5.49E-06     3.417   366.000  51.71000     0.100
   SRCPARAM STCK10        5.49E-06     3.417   366.000   0.00100     0.100

** Building Downwash **
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK2            0.00     3.66     3.66     3.66     3.66     3.66
   BUILDHGT STCK2            3.66     3.66     3.66     0.00     0.00     0.00
   BUILDHGT STCK2            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK2            0.00     3.66     3.66     3.66     3.66     3.66
   BUILDHGT STCK2            3.66     3.66     3.66     0.00     0.00     0.00
   BUILDHGT STCK2            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK3            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK4            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK5            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDHGT STCK6            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK6            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK6            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK6            0.00     0.00     0.00     0.00     0.00     0.00
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| | | | | | | |
|---|---|---|---|---|---|---|
| BUILDHGT STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 0.00 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| BUILDHGT STCK10 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK2 | 0.00 | 3.50 | 3.79 | 3.96 | 4.01 | 3.94 |
| BUILDWID STCK2 | 3.75 | 3.45 | 3.04 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK2 | 0.00 | 3.50 | 3.79 | 3.96 | 4.01 | 3.94 |
| BUILDWID STCK2 | 3.75 | 3.45 | 3.04 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDWID STCK10 | 24.52 | 29.81 | 34.20 | 37.54 | 39.75 | 40.74 |
| BUILDWID STCK10 | 40.50 | 39.03 | 36.75 | 39.34 | 40.73 | 40.89 |
| BUILDWID STCK10 | 39.80 | 37.50 | 34.07 | 29.60 | 24.23 | 0.00 |
| BUILDWID STCK10 | 24.52 | 29.81 | 34.20 | 37.54 | 39.75 | 40.74 |
| BUILDWID STCK10 | 40.50 | 39.03 | 36.75 | 39.34 | 40.73 | 40.89 |
| BUILDWID STCK10 | 39.80 | 37.50 | 34.07 | 29.60 | 24.23 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK2 | 0.00 | 3.72 | 3.89 | 3.94 | 3.88 | 3.69 |
| BUILDLEN STCK2 | 3.40 | 3.00 | 2.72 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK2 | 0.00 | 3.72 | 3.89 | 3.94 | 3.88 | 3.69 |
| BUILDLEN STCK2 | 3.40 | 3.00 | 2.72 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|
| BUILDLEN | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BUILDLEN | STCK10 | 37.27 | 39.16 | 35.62 | 27.86 | 23.46 | 20.80 |
| BUILDLEN | STCK10 | 19.21 | 18.37 | 18.12 | 18.43 | 19.36 | 21.05 |
| BUILDLEN | STCK10 | 23.86 | 28.54 | 36.89 | 38.78 | 37.10 | 0.00 |
| BUILDLEN | STCK10 | 37.27 | 39.16 | 35.62 | 27.86 | 23.46 | 20.80 |
| BUILDLEN | STCK10 | 19.21 | 18.37 | 18.12 | 18.43 | 19.36 | 21.05 |
| BUILDLEN | STCK10 | 23.86 | 28.54 | 36.89 | 38.78 | 37.10 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK2 | 0.00 | 2.40 | 2.77 | 3.06 | 3.26 | 3.36 |
| XBADJ | STCK2 | 3.36 | 3.25 | 2.84 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK2 | 0.00 | -6.11 | -6.66 | -7.01 | -7.14 | -7.06 |
| XBADJ | STCK2 | -6.76 | -6.25 | -5.56 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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| XBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XBADJ | STCK10 | -5.41 | -4.58 | -1.49 | 3.21 | 5.70 | 6.80 |
| XBADJ | STCK10 | 6.84 | 6.01 | 4.23 | 1.97 | -0.95 | -4.51 |
| XBADJ | STCK10 | -8.81 | -14.15 | -21.32 | -25.17 | -27.07 | 0.00 |
| XBADJ | STCK10 | -31.86 | -34.58 | -34.12 | -31.06 | -29.16 | -27.60 |
| XBADJ | STCK10 | -26.05 | -24.38 | -22.36 | -20.40 | -18.41 | -16.54 |
| XBADJ | STCK10 | -15.05 | -14.39 | -15.57 | -13.60 | -10.03 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK2 | 0.00 | -2.89 | -2.11 | -1.28 | -0.40 | 0.49 |
| YBADJ | STCK2 | 1.36 | 2.19 | 2.96 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK2 | 0.00 | 2.89 | 2.11 | 1.28 | 0.40 | -0.49 |
| YBADJ | STCK2 | -1.36 | -2.19 | -2.96 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| YBADJ | STCK10 | -11.18 | -8.73 | -6.02 | -3.12 | -0.12 | 2.87 |
| YBADJ | STCK10 | 5.78 | 8.52 | 11.06 | 13.23 | 15.00 | 16.31 |

```
   YBADJ    STCK10          17.13    17.43    17.20    16.45    15.19     0.00
   YBADJ    STCK10          11.18     8.73     6.02     3.12     0.12    -2.87
   YBADJ    STCK10          -5.78    -8.52   -11.06   -13.23   -15.00   -16.31
   YBADJ    STCK10         -17.13   -17.43   -17.20   -16.45   -15.19     0.00

   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "19394 Bloomington Truck Storage 2038-2051 rev 1.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE "E:\New MET data\FONT_V9_ADJU\FONT_v9.SFC"
   PROFFILE "E:\New MET data\FONT_V9_ADJU\FONT_v9.PFL"
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "19394 BLOOMINGTON TRUCK STORAGE 2038-2051 REV 1.AD\PE00GALL.PLT" 31
   SUMMFILE "19394 Bloomington Truck Storage 2038-2051 rev 1.sum"
OU FINISHED


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            7 Warning Message(s)
 A Total of            0 Informational Message(s)
```

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


   ********   WARNING MESSAGES   ********
SO W320     408        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     410        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     412        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     414        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     416        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
ME W186     795       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used           0.50
ME W187     795       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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


*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                  ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations 2038-2051 Rev 1                               ***        14:20:23
                                                                                                                  PAGE   1
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for   163 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m

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

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

```
**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of:  DPM

**Model Calculates PERIOD Averages Only

**This Run Includes:    163 Source(s);       1 Source Group(s); and     452 Receptor(s)

               with:     10 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:    153 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


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

**The AERMET Input Meteorological Data Version Date:  16216

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

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

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   367.00 ;  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:   19394 Bloomington Truck Storage 2038-2051 rev 1.err
**File for Summary of Results:   19394 Bloomington Truck Storage 2038-2051 rev 1.sum

*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                      ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations 2038-2051 Rev 1                                  ***        14:20:23
                                                                                                                        PAGE   2
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** POINT SOURCE DATA ***
```

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | STACK HEIGHT (METERS) | STACK TEMP. (DEG.K) | STACK EXIT VEL. (M/SEC) | STACK DIAMETER (METERS) | BLDG EXISTS | URBAN SOURCE | CAP/ HOR | EMIS RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STCK1 | 0 | 0.54900E-05 | 463399.5 | 3768747.2 | 321.1 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK2 | 0 | 0.54900E-05 | 463350.5 | 3768746.6 | 319.3 | 3.42 | 366.00 | 0.00 | 0.10 | YES | YES | NO | |
| STCK3 | 0 | 0.54900E-05 | 463338.8 | 3768800.3 | 319.8 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK4 | 0 | 0.54900E-05 | 463242.8 | 3768802.6 | 320.3 | 3.42 | 366.00 | 0.00 | 0.10 | NO | YES | NO | |
| STCK5 | 0 | 0.54900E-05 | 463251.4 | 3768748.0 | 319.6 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK6 | 0 | 0.54900E-05 | 463304.0 | 3768747.7 | 319.4 | 3.42 | 366.00 | 0.00 | 0.10 | NO | YES | NO | |
| STCK7 | 0 | 0.54900E-05 | 463235.9 | 3768696.0 | 318.9 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK8 | 0 | 0.54900E-05 | 463250.1 | 3768646.0 | 318.2 | 3.42 | 366.00 | 0.00 | 0.10 | NO | YES | NO | |
| STCK9 | 0 | 0.54900E-05 | 463326.3 | 3768644.0 | 318.0 | 3.42 | 366.00 | 51.71 | 0.10 | NO | YES | NO | |
| STCK10 | 0 | 0.54900E-05 | 463370.8 | 3768676.2 | 319.0 | 3.42 | 366.00 | 0.00 | 0.10 | YES | YES | NO | |



*** 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| L0008358 | 0 | 0.27560E-06 | 463416.2 | 3768749.2 | 321.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0008359 | 0 | 0.27560E-06 | 463416.2 | 3768757.8 | 321.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0008360 | 0 | 0.27560E-06 | 463416.2 | 3768766.4 | 321.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0008361 | 0 | 0.27560E-06 | 463416.1 | 3768775.0 | 321.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0008362 | 0 | 0.27560E-06 | 463416.1 | 3768783.6 | 321.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0008363 | 0 | 0.27560E-06 | 463416.1 | 3768792.2 | 321.9 | 3.50 | 4.00 | 1.63 | YES | |
| L0008364 | 0 | 0.27560E-06 | 463416.1 | 3768800.8 | 322.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0008365 | 0 | 0.27560E-06 | 463416.1 | 3768809.4 | 322.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0008366 | 0 | 0.27560E-06 | 463416.0 | 3768817.9 | 322.2 | 3.50 | 4.00 | 1.63 | YES | |
| L0008367 | 0 | 0.27560E-06 | 463416.0 | 3768826.5 | 322.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0008368 | 0 | 0.27560E-06 | 463416.0 | 3768835.1 | 322.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0008369 | 0 | 0.27560E-06 | 463416.0 | 3768843.7 | 322.6 | 3.50 | 4.00 | 1.63 | YES | |
| L0008370 | 0 | 0.27560E-06 | 463415.9 | 3768852.3 | 322.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0008371 | 0 | 0.27560E-06 | 463415.9 | 3768860.9 | 322.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0008372 | 0 | 0.27560E-06 | 463415.9 | 3768869.5 | 323.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0008373 | 0 | 0.27560E-06 | 463415.9 | 3768878.1 | 323.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0008374 | 0 | 0.27560E-06 | 463415.8 | 3768886.7 | 323.2 | 3.50 | 4.00 | 1.63 | YES | |
| L0008375 | 0 | 0.27560E-06 | 463415.8 | 3768895.3 | 323.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0008376 | 0 | 0.27560E-06 | 463415.8 | 3768903.8 | 323.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0008377 | 0 | 0.27560E-06 | 463415.8 | 3768912.4 | 323.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0008378 | 0 | 0.27560E-06 | 463415.7 | 3768921.0 | 323.6 | 3.50 | 4.00 | 1.63 | YES | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| L0008379 | 0 | 0.27560E-06 | 463415.7 | 3768929.6 | 323.7 | 3.50 | 4.00 | 1.63 | YES |
| L0008380 | 0 | 0.27560E-06 | 463415.7 | 3768938.2 | 323.8 | 3.50 | 4.00 | 1.63 | YES |
| L0008381 | 0 | 0.27560E-06 | 463415.7 | 3768946.8 | 323.9 | 3.50 | 4.00 | 1.63 | YES |
| L0008382 | 0 | 0.27560E-06 | 463415.6 | 3768955.4 | 324.0 | 3.50 | 4.00 | 1.63 | YES |
| L0008383 | 0 | 0.27560E-06 | 463415.6 | 3768964.0 | 324.1 | 3.50 | 4.00 | 1.63 | YES |
| L0008384 | 0 | 0.27560E-06 | 463415.6 | 3768972.6 | 324.2 | 3.50 | 4.00 | 1.63 | YES |
| L0008385 | 0 | 0.27560E-06 | 463415.6 | 3768981.2 | 324.3 | 3.50 | 4.00 | 1.63 | YES |
| L0008386 | 0 | 0.27560E-06 | 463415.5 | 3768989.8 | 324.4 | 3.50 | 4.00 | 1.63 | YES |
| L0008387 | 0 | 0.27560E-06 | 463415.5 | 3768998.3 | 324.5 | 3.50 | 4.00 | 1.63 | YES |
| L0008388 | 0 | 0.27560E-06 | 463415.5 | 3769006.9 | 324.6 | 3.50 | 4.00 | 1.63 | YES |
| L0008389 | 0 | 0.27560E-06 | 463415.5 | 3769015.5 | 324.6 | 3.50 | 4.00 | 1.63 | YES |
| L0008390 | 0 | 0.27560E-06 | 463415.4 | 3769024.1 | 324.7 | 3.50 | 4.00 | 1.63 | YES |
| L0008391 | 0 | 0.27560E-06 | 463415.4 | 3769032.7 | 324.8 | 3.50 | 4.00 | 1.63 | YES |
| L0008392 | 0 | 0.27560E-06 | 463415.4 | 3769041.3 | 324.8 | 3.50 | 4.00 | 1.63 | YES |
| L0008393 | 0 | 0.27560E-06 | 463415.4 | 3769049.9 | 324.9 | 3.50 | 4.00 | 1.63 | YES |
| L0008394 | 0 | 0.27560E-06 | 463415.3 | 3769058.5 | 325.0 | 3.50 | 4.00 | 1.63 | YES |
| L0008395 | 0 | 0.27560E-06 | 463415.3 | 3769067.1 | 325.0 | 3.50 | 4.00 | 1.63 | YES |
| L0008396 | 0 | 0.27560E-06 | 463415.3 | 3769075.7 | 325.1 | 3.50 | 4.00 | 1.63 | YES |
| L0008397 | 0 | 0.27560E-06 | 463415.3 | 3769084.3 | 325.2 | 3.50 | 4.00 | 1.63 | YES |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| L0008398 | 0 | 0.27560E-06 | 463415.2 | 3769092.8 | 325.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0008399 | 0 | 0.27560E-06 | 463415.2 | 3769101.4 | 325.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0008400 | 0 | 0.27560E-06 | 463415.2 | 3769110.0 | 325.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0008401 | 0 | 0.27560E-06 | 463415.2 | 3769118.6 | 325.6 | 3.50 | 4.00 | 1.63 | YES | |
| L0008402 | 0 | 0.27560E-06 | 463415.1 | 3769127.2 | 325.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0008403 | 0 | 0.27560E-06 | 463415.1 | 3769135.8 | 325.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0008404 | 0 | 0.27560E-06 | 463415.1 | 3769144.4 | 325.9 | 3.50 | 4.00 | 1.63 | YES | |
| L0008405 | 0 | 0.27560E-06 | 463415.1 | 3769153.0 | 326.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0008406 | 0 | 0.27560E-06 | 463415.0 | 3769161.6 | 326.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0008407 | 0 | 0.27560E-06 | 463415.0 | 3769170.2 | 326.2 | 3.50 | 4.00 | 1.63 | YES | |
| L0008408 | 0 | 0.27560E-06 | 463415.0 | 3769178.8 | 326.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0008409 | 0 | 0.27560E-06 | 463415.0 | 3769187.3 | 326.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0008410 | 0 | 0.27560E-06 | 463414.9 | 3769195.9 | 326.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0008411 | 0 | 0.27560E-06 | 463414.9 | 3769204.5 | 326.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0008412 | 0 | 0.27560E-06 | 463414.9 | 3769213.1 | 326.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0008413 | 0 | 0.27560E-06 | 463414.9 | 3769221.7 | 326.9 | 3.50 | 4.00 | 1.63 | YES | |
| L0008414 | 0 | 0.27560E-06 | 463414.9 | 3769230.3 | 327.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0008415 | 0 | 0.27560E-06 | 463414.8 | 3769238.9 | 327.2 | 3.50 | 4.00 | 1.63 | YES | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| L0008416 | 0 | 0.27560E-06 | 463414.8 | 3769247.5 | 327.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0008417 | 0 | 0.27560E-06 | 463414.8 | 3769256.1 | 327.6 | 3.50 | 4.00 | 1.63 | YES | |
| L0008418 | 0 | 0.27560E-06 | 463414.8 | 3769264.7 | 327.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0008419 | 0 | 0.27560E-06 | 463414.7 | 3769273.3 | 327.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0008420 | 0 | 0.27560E-06 | 463414.7 | 3769281.8 | 328.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0008421 | 0 | 0.27560E-06 | 463414.7 | 3769290.4 | 328.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0008422 | 0 | 0.27560E-06 | 463414.7 | 3769299.0 | 328.2 | 3.50 | 4.00 | 1.63 | YES | |
| L0008423 | 0 | 0.27560E-06 | 463414.6 | 3769307.6 | 328.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0008424 | 0 | 0.27560E-06 | 463414.6 | 3769316.2 | 328.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0008425 | 0 | 0.27560E-06 | 463414.6 | 3769324.8 | 328.5 | 3.50 | 4.00 | 1.63 | YES | |
| L0008426 | 0 | 0.27560E-06 | 463414.6 | 3769333.4 | 328.6 | 3.50 | 4.00 | 1.63 | YES | |
| L0008427 | 0 | 0.27560E-06 | 463414.5 | 3769342.0 | 328.7 | 3.50 | 4.00 | 1.63 | YES | |
| L0008428 | 0 | 0.27560E-06 | 463414.5 | 3769350.6 | 328.8 | 3.50 | 4.00 | 1.63 | YES | |
| L0008429 | 0 | 0.27560E-06 | 463414.5 | 3769359.2 | 328.9 | 3.50 | 4.00 | 1.63 | YES | |
| L0008430 | 0 | 0.27560E-06 | 463414.5 | 3769367.8 | 329.0 | 3.50 | 4.00 | 1.63 | YES | |
| L0008431 | 0 | 0.27560E-06 | 463414.4 | 3769376.3 | 329.1 | 3.50 | 4.00 | 1.63 | YES | |
| L0008432 | 0 | 0.27560E-06 | 463414.4 | 3769384.9 | 329.2 | 3.50 | 4.00 | 1.63 | YES | |
| L0008433 | 0 | 0.27560E-06 | 463414.4 | 3769393.5 | 329.3 | 3.50 | 4.00 | 1.63 | YES | |
| L0008434 | 0 | 0.27560E-06 | 463414.4 | 3769402.1 | 329.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0008435 | 0 | 0.27560E-06 | 463414.3 | 3769410.7 | 329.4 | 3.50 | 4.00 | 1.63 | YES | |
| L0008436 | 0 | 0.33870E-06 | 463407.9 | 3768746.4 | 321.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0008437 | 0 | 0.33870E-06 | 463399.3 | 3768746.3 | 321.0 | 3.50 | 4.00 | 3.26 | YES | |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| L0008438 | 0 | 0.33870E-06 | 463390.7 | 3768746.3 | 320.8 | 3.50 | 4.00 | 3.26 | YES | |
| L0008439 | 0 | 0.33870E-06 | 463382.1 | 3768746.2 | 320.6 | 3.50 | 4.00 | 3.26 | YES | |
| L0008440 | 0 | 0.33870E-06 | 463373.5 | 3768746.2 | 320.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0008441 | 0 | 0.33870E-06 | 463364.9 | 3768746.1 | 319.8 | 3.50 | 4.00 | 3.26 | YES | |
| L0008442 | 0 | 0.33870E-06 | 463356.3 | 3768746.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES | |
| L0008443 | 0 | 0.33870E-06 | 463347.7 | 3768746.0 | 319.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0008444 | 0 | 0.33870E-06 | 463339.2 | 3768746.0 | 319.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0008445 | 0 | 0.33870E-06 | 463336.0 | 3768751.5 | 319.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0008446 | 0 | 0.33870E-06 | 463335.9 | 3768760.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES | |
| L0008447 | 0 | 0.33870E-06 | 463335.7 | 3768768.6 | 319.5 | 3.50 | 4.00 | 3.26 | YES | |
| L0008448 | 0 | 0.33870E-06 | 463335.6 | 3768777.2 | 319.6 | 3.50 | 4.00 | 3.26 | YES | |
| L0008449 | 0 | 0.33870E-06 | 463335.5 | 3768785.8 | 319.7 | 3.50 | 4.00 | 3.26 | YES | |
| L0008450 | 0 | 0.33870E-06 | 463331.9 | 3768790.9 | 319.7 | 3.50 | 4.00 | 3.26 | YES | |
| L0008451 | 0 | 0.33870E-06 | 463323.3 | 3768790.8 | 319.8 | 3.50 | 4.00 | 3.26 | YES | |
| L0008452 | 0 | 0.33870E-06 | 463314.7 | 3768790.8 | 319.8 | 3.50 | 4.00 | 3.26 | YES | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| L0008453 | 0 | 0.33870E-06 | 463306.1 | 3768790.8 | 319.9 | 3.50 | 4.00 | 3.26 | YES |
| L0008454 | 0 | 0.33870E-06 | 463297.5 | 3768790.8 | 320.0 | 3.50 | 4.00 | 3.26 | YES |
| L0008455 | 0 | 0.33870E-06 | 463288.9 | 3768790.8 | 320.1 | 3.50 | 4.00 | 3.26 | YES |
| L0008456 | 0 | 0.33870E-06 | 463280.4 | 3768790.8 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008457 | 0 | 0.33870E-06 | 463271.8 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008458 | 0 | 0.33870E-06 | 463263.2 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008459 | 0 | 0.33870E-06 | 463254.6 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008460 | 0 | 0.33870E-06 | 463246.0 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008461 | 0 | 0.33870E-06 | 463237.4 | 3768790.7 | 320.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008462 | 0 | 0.33870E-06 | 463235.7 | 3768783.7 | 320.1 | 3.50 | 4.00 | 3.26 | YES |
| L0008463 | 0 | 0.33870E-06 | 463235.6 | 3768775.1 | 320.0 | 3.50 | 4.00 | 3.26 | YES |
| L0008464 | 0 | 0.33870E-06 | 463235.6 | 3768766.5 | 319.9 | 3.50 | 4.00 | 3.26 | YES |
| L0008465 | 0 | 0.33870E-06 | 463235.5 | 3768758.0 | 319.7 | 3.50 | 4.00 | 3.26 | YES |
| L0008466 | 0 | 0.33870E-06 | 463235.5 | 3768749.4 | 319.6 | 3.50 | 4.00 | 3.26 | YES |
| L0008467 | 0 | 0.33870E-06 | 463235.4 | 3768740.8 | 319.5 | 3.50 | 4.00 | 3.26 | YES |
| L0008468 | 0 | 0.33870E-06 | 463235.4 | 3768732.2 | 319.4 | 3.50 | 4.00 | 3.26 | YES |
| L0008469 | 0 | 0.33870E-06 | 463235.3 | 3768723.6 | 319.3 | 3.50 | 4.00 | 3.26 | YES |
| L0008470 | 0 | 0.33870E-06 | 463235.3 | 3768715.0 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008471 | 0 | 0.33870E-06 | 463235.2 | 3768706.4 | 319.0 | 3.50 | 4.00 | 3.26 | YES |
| L0008472 | 0 | 0.33870E-06 | 463235.2 | 3768697.8 | 318.9 | 3.50 | 4.00 | 3.26 | YES |
| L0008473 | 0 | 0.33870E-06 | 463235.1 | 3768689.2 | 318.8 | 3.50 | 4.00 | 3.26 | YES |
| L0008474 | 0 | 0.33870E-06 | 463235.1 | 3768680.6 | 318.7 | 3.50 | 4.00 | 3.26 | YES |
| L0008475 | 0 | 0.33870E-06 | 463235.0 | 3768672.0 | 318.6 | 3.50 | 4.00 | 3.26 | YES |
| L0008476 | 0 | 0.33870E-06 | 463235.0 | 3768663.5 | 318.5 | 3.50 | 4.00 | 3.26 | YES |
| L0008477 | 0 | 0.33870E-06 | 463237.2 | 3768657.1 | 318.4 | 3.50 | 4.00 | 3.26 | YES |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| L0008478 | 0 | 0.33870E-06 | 463245.8 | 3768657.1 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0008479 | 0 | 0.33870E-06 | 463254.4 | 3768657.2 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0008480 | 0 | 0.33870E-06 | 463263.0 | 3768657.2 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0008481 | 0 | 0.33870E-06 | 463271.5 | 3768657.2 | 318.4 | 3.50 | 4.00 | 3.26 | YES | |
| L0008482 | 0 | 0.33870E-06 | 463280.1 | 3768657.2 | 318.4 | 3.50 | 4.00 | 3.26 | YES | |
| L0008483 | 0 | 0.33870E-06 | 463288.7 | 3768657.2 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0008484 | 0 | 0.33870E-06 | 463297.3 | 3768657.2 | 318.3 | 3.50 | 4.00 | 3.26 | YES | |
| L0008485 | 0 | 0.33870E-06 | 463305.9 | 3768657.2 | 318.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0008486 | 0 | 0.33870E-06 | 463314.5 | 3768657.3 | 318.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0008487 | 0 | 0.33870E-06 | 463323.1 | 3768657.3 | 318.2 | 3.50 | 4.00 | 3.26 | YES | |
| L0008488 | 0 | 0.33870E-06 | 463331.7 | 3768657.3 | 318.1 | 3.50 | 4.00 | 3.26 | YES | |
| L0008489 | 0 | 0.33870E-06 | 463340.3 | 3768657.3 | 318.2 | 3.50 | 4.00 | 3.26 | YES | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| L0008490 | 0 | 0.33870E-06 | 463347.8 | 3768658.4 | 318.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008491 | 0 | 0.33870E-06 | 463347.7 | 3768667.0 | 318.3 | 3.50 | 4.00 | 3.26 | YES |
| L0008492 | 0 | 0.33870E-06 | 463347.6 | 3768675.6 | 318.4 | 3.50 | 4.00 | 3.26 | YES |
| L0008493 | 0 | 0.33870E-06 | 463347.5 | 3768684.2 | 318.5 | 3.50 | 4.00 | 3.26 | YES |
| L0008494 | 0 | 0.33870E-06 | 463347.4 | 3768692.8 | 318.7 | 3.50 | 4.00 | 3.26 | YES |
| L0008495 | 0 | 0.33870E-06 | 463347.4 | 3768701.3 | 318.8 | 3.50 | 4.00 | 3.26 | YES |
| L0008496 | 0 | 0.33870E-06 | 463347.3 | 3768709.9 | 318.9 | 3.50 | 4.00 | 3.26 | YES |
| L0008497 | 0 | 0.33870E-06 | 463347.2 | 3768718.5 | 319.0 | 3.50 | 4.00 | 3.26 | YES |
| L0008498 | 0 | 0.33870E-06 | 463347.1 | 3768727.1 | 319.1 | 3.50 | 4.00 | 3.26 | YES |
| L0008499 | 0 | 0.33870E-06 | 463347.1 | 3768735.7 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008500 | 0 | 0.33870E-06 | 463339.3 | 3768736.3 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008501 | 0 | 0.33870E-06 | 463330.7 | 3768736.2 | 319.1 | 3.50 | 4.00 | 3.26 | YES |
| L0008502 | 0 | 0.33870E-06 | 463322.1 | 3768736.2 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008503 | 0 | 0.33870E-06 | 463313.5 | 3768736.2 | 319.2 | 3.50 | 4.00 | 3.26 | YES |
| L0008504 | 0 | 0.33870E-06 | 463304.9 | 3768736.2 | 319.3 | 3.50 | 4.00 | 3.26 | YES |
| L0008505 | 0 | 0.33870E-06 | 463296.3 | 3768736.2 | 319.3 | 3.50 | 4.00 | 3.26 | YES |
| L0008506 | 0 | 0.33870E-06 | 463287.8 | 3768736.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES |
| L0008507 | 0 | 0.33870E-06 | 463279.2 | 3768736.1 | 319.5 | 3.50 | 4.00 | 3.26 | YES |
| L0008508 | 0 | 0.33870E-06 | 463270.6 | 3768736.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES |
| L0008509 | 0 | 0.33870E-06 | 463262.0 | 3768736.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES |
| L0008510 | 0 | 0.33870E-06 | 463253.4 | 3768736.1 | 319.4 | 3.50 | 4.00 | 3.26 | YES |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

| SRCGROUP ID | SOURCE IDs |
|---|---|
| ALL | L0008358 , L0008359 , L0008360 , L0008361 , L0008362 , L0008363 , L0008364 , L0008365 , |
| | L0008366 , L0008367 , L0008368 , L0008369 , L0008370 , L0008371 , L0008372 , L0008373 , |
| | L0008374 , L0008375 , L0008376 , L0008377 , L0008378 , L0008379 , L0008380 , L0008381 , |
| | L0008382 , L0008383 , L0008384 , L0008385 , L0008386 , L0008387 , L0008388 , L0008389 , |
| | L0008390 , L0008391 , L0008392 , L0008393 , L0008394 , L0008395 , L0008396 , L0008397 , |
| | L0008398 , L0008399 , L0008400 , L0008401 , L0008402 , L0008403 , L0008404 , L0008405 , |
| | L0008406 , L0008407 , L0008408 , L0008409 , L0008410 , L0008411 , L0008412 , L0008413 , |
| | L0008414 , L0008415 , L0008416 , L0008417 , L0008418 , L0008419 , L0008420 , L0008421 , |
| | L0008422 , L0008423 , L0008424 , L0008425 , L0008426 , L0008427 , L0008428 , L0008429 , |

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            L0008430    , L0008431    , L0008432    , L0008433    , L0008434    , L0008435    , L0008436    , L0008437    ,

            L0008438    , L0008439    , L0008440    , L0008441    , L0008442    , L0008443    , L0008444    , L0008445    ,

            L0008446    , L0008447    , L0008448    , L0008449    , L0008450    , L0008451    , L0008452    , L0008453    ,

            L0008454    , L0008455    , L0008456    , L0008457    , L0008458    , L0008459    , L0008460    , L0008461    ,

            L0008462    , L0008463    , L0008464    , L0008465    , L0008466    , L0008467    , L0008468    , L0008469    ,

            L0008470    , L0008471    , L0008472    , L0008473    , L0008474    , L0008475    , L0008476    , L0008477    ,

            L0008478    , L0008479    , L0008480    , L0008481    , L0008482    , L0008483    , L0008484    , L0008485    ,

            L0008486    , L0008487    , L0008488    , L0008489    , L0008490    , L0008491    , L0008492    , L0008493    ,

            L0008494    , L0008495    , L0008496    , L0008497    , L0008498    , L0008499    , L0008500    , L0008501    ,

            L0008502    , L0008503    , L0008504    , L0008505    , L0008506    , L0008507    , L0008508    , L0008509    ,

            L0008510    , STCK1       , STCK2       , STCK3       , STCK4       , STCK5       , STCK6       , STCK7       ,
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                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID                                           SOURCE IDs
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            STCK8       , STCK9       , STCK10      ,
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                                       *** SOURCE IDs DEFINED AS URBAN SOURCES ***

 URBAN ID   URBAN POP                                 SOURCE IDs
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             2035210.   L0008358    , L0008359    , L0008360    , L0008361    , L0008362    , L0008363    , L0008364    ,
L0008365    ,
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L0008366    , L0008367    , L0008368    , L0008369    , L0008370    , L0008371    , L0008372    , L0008373    ,
L0008374    , L0008375    , L0008376    , L0008377    , L0008378    , L0008379    , L0008380    , L0008381    ,
L0008382    , L0008383    , L0008384    , L0008385    , L0008386    , L0008387    , L0008388    , L0008389    ,
L0008390    , L0008391    , L0008392    , L0008393    , L0008394    , L0008395    , L0008396    , L0008397    ,
L0008398    , L0008399    , L0008400    , L0008401    , L0008402    , L0008403    , L0008404    , L0008405    ,
L0008406    , L0008407    , L0008408    , L0008409    , L0008410    , L0008411    , L0008412    , L0008413    ,
L0008414    , L0008415    , L0008416    , L0008417    , L0008418    , L0008419    , L0008420    , L0008421    ,
L0008422    , L0008423    , L0008424    , L0008425    , L0008426    , L0008427    , L0008428    , L0008429    ,
L0008430    , L0008431    , L0008432    , L0008433    , L0008434    , L0008435    , L0008436    , L0008437    ,
L0008438    , L0008439    , L0008440    , L0008441    , L0008442    , L0008443    , L0008444    , L0008445    ,
L0008446    , L0008447    , L0008448    , L0008449    , L0008450    , L0008451    , L0008452    , L0008453    ,
L0008454    , L0008455    , L0008456    , L0008457    , L0008458    , L0008459    , L0008460    , L0008461    ,
L0008462    , L0008463    , L0008464    , L0008465    , L0008466    , L0008467    , L0008468    , L0008469    ,
L0008470    , L0008471    , L0008472    , L0008473    , L0008474    , L0008475    , L0008476    , L0008477    ,
L0008478    , L0008479    , L0008480    , L0008481    , L0008482    , L0008483    , L0008484    , L0008485    ,
L0008486    , L0008487    , L0008488    , L0008489    , L0008490    , L0008491    , L0008492    , L0008493    ,
L0008494    , L0008495    , L0008496    , L0008497    , L0008498    , L0008499    , L0008500    , L0008501    ,
L0008502    , L0008503    , L0008504    , L0008505    , L0008506    , L0008507    , L0008508    , L0008509    ,
L0008510    , STCK1       , STCK2       , STCK3       , STCK4       , STCK5       , STCK6       , STCK7       ,
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*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

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

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK2

| IFV | BH | BW | BL | XADJ | YADJ | IFV | BH | BW | BL | XADJ | YADJ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 2 | 3.7, | 3.5, | 3.7, | 2.4, | -2.9, |
| 3 | 3.7, | 3.8, | 3.9, | 2.8, | -2.1, | 4 | 3.7, | 4.0, | 3.9, | 3.1, | -1.3, |
| 5 | 3.7, | 4.0, | 3.9, | 3.3, | -0.4, | 6 | 3.7, | 3.9, | 3.7, | 3.4, | 0.5, |
| 7 | 3.7, | 3.8, | 3.4, | 3.4, | 1.4, | 8 | 3.7, | 3.4, | 3.0, | 3.2, | 2.2, |
| 9 | 3.7, | 3.0, | 2.7, | 2.8, | 3.0, | 10 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 11 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 12 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 13 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 14 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 15 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 16 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 17 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 18 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 19 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 20 | 3.7, | 3.5, | 3.7, | -6.1, | 2.9, |
| 21 | 3.7, | 3.8, | 3.9, | -6.7, | 2.1, | 22 | 3.7, | 4.0, | 3.9, | -7.0, | 1.3, |
| 23 | 3.7, | 4.0, | 3.9, | -7.1, | 0.4, | 24 | 3.7, | 3.9, | 3.7, | -7.1, | -0.5, |
| 25 | 3.7, | 3.8, | 3.4, | -6.8, | -1.4, | 26 | 3.7, | 3.4, | 3.0, | -6.2, | -2.2, |
| 27 | 3.7, | 3.0, | 2.7, | -5.6, | -3.0, | 28 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 29 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 30 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 31 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 32 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 33 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 34 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 35 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, | 36 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |

SOURCE ID: STCK10

| IFV | BH | BW | BL | XADJ | YADJ | IFV | BH | BW | BL | XADJ | YADJ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.0, | 24.5, | 37.3, | -5.4, | -11.2, | 2 | 7.0, | 29.8, | 39.2, | -4.6, | -8.7, |
| 3 | 7.0, | 34.2, | 35.6, | -1.5, | -6.0, | 4 | 7.0, | 37.5, | 27.9, | 3.2, | -3.1, |
| 5 | 7.0, | 39.8, | 23.5, | 5.7, | -0.1, | 6 | 7.0, | 40.7, | 20.8, | 6.8, | 2.9, |
| 7 | 7.0, | 40.5, | 19.2, | 6.8, | 5.8, | 8 | 7.0, | 39.0, | 18.4, | 6.0, | 8.5, |
| 9 | 7.0, | 36.8, | 18.1, | 4.2, | 11.1, | 10 | 7.0, | 39.3, | 18.4, | 2.0, | 13.2, |
| 11 | 7.0, | 40.7, | 19.4, | -1.0, | 15.0, | 12 | 7.0, | 40.9, | 21.1, | -4.5, | 16.3, |
| 13 | 7.0, | 39.8, | 23.9, | -8.8, | 17.1, | 14 | 7.0, | 37.5, | 28.5, | -14.2, | 17.4, |
| 15 | 7.0, | 34.1, | 36.9, | -21.3, | 17.2, | 16 | 7.0, | 29.6, | 38.8, | -25.2, | 16.4, |
| 17 | 7.0, | 24.2, | 37.1, | -27.1, | 15.2, | 18 | 0.0, | 0.0, | 0.0, | 0.0, | 0.0, |
| 19 | 7.0, | 24.5, | 37.3, | -31.9, | 11.2, | 20 | 7.0, | 29.8, | 39.2, | -34.6, | 8.7, |
| 21 | 7.0, | 34.2, | 35.6, | -34.1, | 6.0, | 22 | 7.0, | 37.5, | 27.9, | -31.1, | 3.1, |
| 23 | 7.0, | 39.8, | 23.5, | -29.2, | 0.1, | 24 | 7.0, | 40.7, | 20.8, | -27.6, | -2.9, |
| 25 | 7.0, | 40.5, | 19.2, | -26.1, | -5.8, | 26 | 7.0, | 39.0, | 18.4, | -24.4, | -8.5, |
| 27 | 7.0, | 36.8, | 18.1, | -22.4, | -11.1, | 28 | 7.0, | 39.3, | 18.4, | -20.4, | -13.2, |
| 29 | 7.0, | 40.7, | 19.4, | -18.4, | -15.0, | 30 | 7.0, | 40.9, | 21.1, | -16.5, | -16.3, |
| 31 | 7.0, | 39.8, | 23.9, | -15.1, | -17.1, | 32 | 7.0, | 37.5, | 28.5, | -14.4, | -17.4, |
| 33 | 7.0, | 34.1, | 36.9, | -15.6, | -17.2, | 34 | 7.0, | 29.6, | 38.8, | -13.6, | -16.4, |

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  35    7.0,   24.2,   37.1,  -10.0,  -15.2,     36    0.0,    0.0,    0.0,    0.0,    0.0,
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                                    *** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

      462841.8,  462895.4,  462949.0,  463002.6,  463056.2,  463109.8,  463163.5,  463217.1,  463270.7,  463324.3,
      463377.9,  463431.5,  463485.1,  463538.7,  463592.3,  463646.0,  463699.6,  463753.2,  463806.8,  463860.4,
      463914.0,

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

     3768395.3, 3768448.2, 3768501.1, 3768554.0, 3768607.0, 3768659.9, 3768712.8, 3768765.7, 3768818.6, 3768871.5,
     3768924.5, 3768977.4, 3769030.3, 3769083.2, 3769136.1, 3769189.1, 3769242.0, 3769294.9, 3769347.8, 3769400.8,
     3769453.7,
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                                *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                          * ELEVATION HEIGHTS IN METERS *
```

| Y-COORD (METERS) | X-COORD (METERS) 462841.80 | 462895.41 | 462949.02 | 463002.63 | 463056.24 | 463109.85 | 463163.46 | 463217.07 | 463270.68 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 331.50 | 331.20 | 330.50 | 330.10 | 330.00 | 329.80 | 329.80 | 329.70 | 329.70 |
| 3769400.75 | 331.10 | 330.30 | 329.90 | 329.30 | 329.00 | 329.10 | 329.50 | 329.40 | 329.40 |
| 3769347.83 | 330.50 | 329.60 | 328.90 | 328.50 | 328.20 | 328.30 | 328.60 | 328.80 | 328.80 |
| 3769294.91 | 329.70 | 329.00 | 328.10 | 327.90 | 327.60 | 327.70 | 327.80 | 328.20 | 328.40 |
| 3769241.99 | 328.80 | 328.20 | 327.60 | 327.20 | 326.90 | 326.80 | 326.90 | 327.30 | 327.50 |
| 3769189.07 | 327.60 | 327.30 | 326.70 | 326.70 | 326.10 | 325.80 | 326.00 | 326.40 | 326.70 |
| 3769136.15 | 326.70 | 326.70 | 326.10 | 326.20 | 325.60 | 325.20 | 325.40 | 325.80 | 325.90 |
| 3769083.23 | 326.30 | 326.30 | 325.80 | 325.50 | 325.10 | 324.70 | 324.60 | 324.90 | 324.90 |
| 3769030.31 | 325.90 | 325.70 | 325.30 | 324.80 | 324.60 | 324.30 | 323.80 | 323.90 | 323.70 |
| 3768977.39 | 325.50 | 325.20 | 324.90 | 324.30 | 323.90 | 324.00 | 323.20 | 322.80 | 322.70 |
| 3768924.47 | 324.20 | 324.10 | 323.60 | 323.30 | 323.20 | 323.50 | 322.80 | 322.10 | 321.90 |
| 3768871.55 | 323.40 | 323.90 | 322.50 | 322.60 | 322.60 | 323.10 | 322.30 | 321.40 | 321.20 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3768818.63 | 323.00 | 323.00 | 322.00 | 321.90 | 322.00 | 322.30 | 321.60 | 320.70 | 320.50 |
| 3768765.71 | 321.90 | 321.60 | 321.30 | 321.30 | 321.40 | 321.30 | 320.70 | 319.90 | 319.90 |
| 3768712.79 | 321.60 | 320.90 | 320.30 | 320.60 | 320.70 | 320.70 | 320.10 | 319.30 | 319.10 |
| 3768659.87 | 320.60 | 320.10 | 319.90 | 320.10 | 320.00 | 320.00 | 319.50 | 318.80 | 318.40 |
| 3768606.95 | 319.80 | 319.50 | 319.20 | 319.40 | 319.30 | 319.30 | 318.90 | 318.20 | 317.70 |
| 3768554.03 | 319.00 | 318.80 | 318.40 | 318.50 | 318.60 | 318.40 | 318.00 | 317.50 | 316.90 |
| 3768501.11 | 318.30 | 318.20 | 317.80 | 317.90 | 317.80 | 317.70 | 317.40 | 317.10 | 316.70 |
| 3768448.19 | 317.70 | 317.60 | 317.40 | 317.20 | 317.10 | 316.90 | 316.60 | 316.40 | 316.20 |
| 3768395.27 | 316.90 | 316.80 | 316.80 | 316.40 | 316.30 | 316.20 | 315.90 | 316.00 | 315.60 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 463324.29 | 463377.90 | 463431.51 | 463485.12 | 463538.73 | 463592.34 | 463645.95 | 463699.56 | 463753.17 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 329.60 | 329.00 | 329.90 | 330.00 | 329.90 | 328.80 | 327.90 | 327.40 | 327.00 |
| 3769400.75 | 329.50 | 329.20 | 329.40 | 329.60 | 329.40 | 328.10 | 327.20 | 326.80 | 325.90 |
| 3769347.83 | 328.50 | 328.50 | 329.00 | 329.10 | 329.20 | 327.60 | 326.50 | 326.10 | 325.30 |
| 3769294.91 | 327.70 | 328.00 | 328.10 | 328.00 | 327.90 | 327.00 | 325.40 | 324.80 | 324.20 |
| 3769241.99 | 327.30 | 327.50 | 327.30 | 327.40 | 327.10 | 326.20 | 325.10 | 324.50 | 324.00 |
| 3769189.07 | 326.50 | 326.70 | 326.40 | 326.80 | 326.00 | 325.10 | 323.60 | 323.60 | 323.40 |
| 3769136.15 | 325.70 | 326.10 | 325.80 | 326.30 | 325.20 | 324.50 | 322.80 | 323.00 | 322.70 |
| 3769083.23 | 325.10 | 325.20 | 325.30 | 325.70 | 324.70 | 324.10 | 322.40 | 322.40 | 322.10 |
| 3769030.31 | 324.60 | 324.70 | 324.80 | 325.20 | 324.30 | 323.70 | 322.00 | 321.90 | 321.40 |
| 3768977.39 | 323.50 | 324.20 | 324.20 | 324.50 | 323.80 | 323.10 | 321.50 | 321.20 | 320.80 |
| 3768924.47 | 322.20 | 323.30 | 323.60 | 324.00 | 324.20 | 322.70 | 321.70 | 321.00 | 320.30 |
| 3768871.55 | 321.10 | 322.10 | 323.10 | 323.40 | 323.20 | 321.70 | 320.70 | 320.10 | 319.70 |
| 3768818.63 | 320.20 | 321.00 | 322.40 | 322.50 | 322.40 | 321.50 | 320.70 | 319.80 | 319.40 |
| 3768765.71 | 319.50 | 320.60 | 321.60 | 321.30 | 321.20 | 320.80 | 320.00 | 319.30 | 318.60 |
| 3768712.79 | 318.90 | 320.00 | 320.80 | 320.80 | 320.80 | 320.20 | 319.40 | 318.90 | 318.30 |
| 3768659.87 | 318.20 | 319.00 | 320.10 | 320.10 | 320.00 | 319.60 | 319.00 | 318.40 | 317.80 |
| 3768606.95 | 317.70 | 318.20 | 319.30 | 319.40 | 319.30 | 319.10 | 317.90 | 317.40 | 317.20 |
| 3768554.03 | 316.90 | 316.80 | 318.10 | 318.70 | 318.30 | 318.40 | 317.10 | 316.60 | 316.60 |
| 3768501.11 | 316.20 | 315.80 | 316.20 | 318.00 | 317.80 | 318.00 | 316.90 | 316.40 | 316.00 |
| 3768448.19 | 315.50 | 315.00 | 314.90 | 316.90 | 317.00 | 317.30 | 316.60 | 316.20 | 315.20 |
| 3768395.27 | 314.80 | 314.40 | 314.00 | 315.70 | 316.40 | 316.40 | 316.30 | 315.60 | 314.10 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 463806.78 | 463860.39 | 463914.00 |
|---|---|---|---|
| 3769453.67 | 326.00 | 325.70 | 325.40 |
| 3769400.75 | 324.70 | 324.80 | 324.80 |
| 3769347.83 | 324.00 | 323.80 | 323.80 |
| 3769294.91 | 323.70 | 323.20 | 322.90 |
| 3769241.99 | 323.40 | 322.90 | 322.20 |
| 3769189.07 | 323.40 | 322.90 | 321.80 |
| 3769136.15 | 322.80 | 322.70 | 321.80 |
| 3769083.23 | 322.10 | 321.80 | 321.50 |
| 3769030.31 | 321.30 | 320.90 | 320.80 |
| 3768977.39 | 320.50 | 320.10 | 320.30 |
| 3768924.47 | 319.70 | 319.40 | 319.50 |
| 3768871.55 | 319.10 | 318.50 | 318.50 |
| 3768818.63 | 318.80 | 318.00 | 317.60 |
| 3768765.71 | 318.20 | 317.60 | 316.80 |
| 3768712.79 | 317.80 | 317.20 | 316.50 |
| 3768659.87 | 317.30 | 316.60 | 316.10 |
| 3768606.95 | 316.80 | 316.00 | 315.50 |
| 3768554.03 | 316.30 | 315.70 | 314.90 |
| 3768501.11 | 315.70 | 315.50 | 314.60 |
| 3768448.19 | 315.00 | 314.80 | 314.30 |
| 3768395.27 | 314.10 | 314.10 | 313.70 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 462841.80 | 462895.41 | 462949.02 | 463002.63 | 463056.24 | 463109.85 | 463163.46 | 463217.07 | 463270.68 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 331.50 | 331.20 | 330.50 | 330.10 | 330.00 | 329.80 | 329.80 | 329.70 | 329.70 |
| 3769400.75 | 331.10 | 330.30 | 329.90 | 329.30 | 329.00 | 329.10 | 329.50 | 329.40 | 329.40 |
| 3769347.83 | 330.50 | 329.60 | 328.90 | 328.50 | 328.20 | 328.30 | 328.60 | 328.80 | 328.80 |
| 3769294.91 | 329.70 | 329.00 | 328.10 | 327.90 | 327.60 | 327.70 | 327.80 | 328.20 | 328.40 |
| 3769241.99 | 328.80 | 328.20 | 327.60 | 327.20 | 326.90 | 326.80 | 326.90 | 327.30 | 327.50 |
| 3769189.07 | 327.60 | 327.30 | 326.70 | 326.70 | 326.10 | 325.80 | 326.00 | 326.40 | 326.70 |
| 3769136.15 | 326.70 | 326.70 | 326.10 | 326.20 | 325.60 | 325.20 | 325.40 | 325.80 | 325.90 |
| 3769083.23 | 326.30 | 326.30 | 325.80 | 325.50 | 325.10 | 324.70 | 324.60 | 324.90 | 324.90 |
| 3769030.31 | 325.90 | 325.70 | 325.30 | 324.80 | 324.60 | 324.30 | 323.80 | 323.90 | 323.70 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3768977.39 | 325.50 | 325.20 | 324.90 | 324.30 | 323.90 | 324.00 | 323.20 | 322.80 | 322.70 |
| 3768924.47 | 324.20 | 324.10 | 323.60 | 323.30 | 323.20 | 323.50 | 322.80 | 322.10 | 321.90 |
| 3768871.55 | 323.40 | 323.90 | 322.50 | 322.60 | 322.60 | 323.10 | 322.30 | 321.40 | 321.20 |
| 3768818.63 | 323.00 | 323.00 | 322.00 | 321.90 | 322.00 | 322.30 | 321.60 | 320.70 | 320.50 |
| 3768765.71 | 321.90 | 321.60 | 321.30 | 321.30 | 321.40 | 321.30 | 320.70 | 319.90 | 319.90 |
| 3768712.79 | 321.60 | 320.90 | 320.30 | 320.60 | 320.70 | 320.70 | 320.10 | 319.30 | 319.10 |
| 3768659.87 | 320.60 | 320.10 | 319.90 | 320.10 | 320.00 | 320.00 | 319.50 | 318.80 | 318.40 |
| 3768606.95 | 319.80 | 319.50 | 319.20 | 319.40 | 319.30 | 319.30 | 318.90 | 318.20 | 317.70 |
| 3768554.03 | 319.00 | 318.80 | 318.40 | 318.50 | 318.60 | 318.40 | 318.00 | 317.50 | 316.90 |
| 3768501.11 | 318.30 | 318.20 | 317.80 | 317.90 | 317.80 | 317.70 | 317.40 | 317.10 | 316.70 |
| 3768448.19 | 317.70 | 317.60 | 317.40 | 317.20 | 317.10 | 316.90 | 316.60 | 316.40 | 316.20 |
| 3768395.27 | 316.90 | 316.80 | 316.80 | 316.40 | 316.30 | 316.20 | 315.90 | 316.00 | 315.60 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 463324.29 | 463377.90 | 463431.51 | 463485.12 | 463538.73 | 463592.34 | 463645.95 | 463699.56 | 463753.17 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 329.60 | 329.00 | 329.90 | 330.00 | 329.90 | 328.80 | 327.90 | 327.40 | 327.00 |
| 3769400.75 | 329.50 | 329.20 | 329.40 | 329.60 | 329.40 | 328.10 | 327.20 | 326.80 | 325.90 |
| 3769347.83 | 328.50 | 328.50 | 329.00 | 329.10 | 329.20 | 327.60 | 326.50 | 326.10 | 325.30 |
| 3769294.91 | 327.70 | 328.00 | 328.10 | 328.00 | 327.90 | 327.00 | 325.40 | 324.80 | 324.20 |
| 3769241.99 | 327.30 | 327.50 | 327.30 | 327.40 | 327.10 | 326.20 | 325.10 | 324.50 | 324.00 |
| 3769189.07 | 326.50 | 326.70 | 326.40 | 326.80 | 326.00 | 325.10 | 323.60 | 323.60 | 323.40 |
| 3769136.15 | 325.70 | 326.10 | 325.80 | 326.30 | 325.20 | 324.50 | 322.80 | 323.00 | 322.70 |
| 3769083.23 | 325.10 | 325.20 | 325.30 | 325.70 | 324.70 | 324.10 | 322.40 | 322.40 | 322.10 |
| 3769030.31 | 324.60 | 324.70 | 324.80 | 325.20 | 324.30 | 323.70 | 322.00 | 321.90 | 321.40 |
| 3768977.39 | 323.50 | 324.20 | 324.20 | 324.50 | 323.80 | 323.10 | 321.50 | 321.20 | 320.80 |
| 3768924.47 | 322.20 | 323.30 | 323.60 | 324.00 | 324.20 | 322.70 | 321.70 | 321.00 | 320.30 |
| 3768871.55 | 321.10 | 322.10 | 323.10 | 323.40 | 323.20 | 321.70 | 320.70 | 320.10 | 319.70 |
| 3768818.63 | 320.20 | 321.00 | 322.40 | 322.50 | 322.40 | 321.50 | 320.70 | 319.80 | 319.40 |
| 3768765.71 | 319.50 | 320.60 | 321.60 | 321.30 | 321.20 | 320.80 | 320.00 | 319.30 | 318.60 |
| 3768712.79 | 318.90 | 320.00 | 320.80 | 320.80 | 320.80 | 320.20 | 319.40 | 318.90 | 318.30 |
| 3768659.87 | 318.20 | 319.00 | 320.10 | 320.10 | 320.00 | 319.60 | 319.00 | 318.40 | 317.80 |
| 3768606.95 | 317.70 | 318.20 | 319.30 | 319.40 | 319.30 | 319.10 | 317.90 | 317.40 | 317.20 |
| 3768554.03 | 316.90 | 316.80 | 318.10 | 318.70 | 318.30 | 318.40 | 317.10 | 316.60 | 316.60 |
| 3768501.11 | 316.20 | 315.80 | 316.20 | 318.00 | 317.80 | 318.00 | 316.90 | 316.40 | 316.00 |
| 3768448.19 | 315.50 | 315.00 | 314.90 | 316.90 | 317.00 | 317.30 | 316.60 | 316.20 | 315.20 |
| 3768395.27 | 314.80 | 314.40 | 314.00 | 315.70 | 316.40 | 316.40 | 316.30 | 315.60 | 314.10 |

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

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 463806.78 | 463860.39 | 463914.00 |
|---|---|---|---|
| 3769453.67 | 326.00 | 325.70 | 325.40 |
| 3769400.75 | 324.70 | 324.80 | 324.80 |
| 3769347.83 | 324.00 | 323.80 | 323.80 |
| 3769294.91 | 323.70 | 323.20 | 322.90 |
| 3769241.99 | 323.40 | 322.90 | 322.20 |
| 3769189.07 | 323.40 | 322.90 | 321.80 |
| 3769136.15 | 322.80 | 322.70 | 321.80 |
| 3769083.23 | 322.10 | 321.80 | 321.50 |
| 3769030.31 | 321.30 | 320.90 | 320.80 |
| 3768977.39 | 320.50 | 320.10 | 320.30 |
| 3768924.47 | 319.70 | 319.40 | 319.50 |
| 3768871.55 | 319.10 | 318.50 | 318.50 |
| 3768818.63 | 318.80 | 318.00 | 317.60 |
| 3768765.71 | 318.20 | 317.60 | 316.80 |
| 3768712.79 | 317.80 | 317.20 | 316.50 |
| 3768659.87 | 317.30 | 316.60 | 316.10 |
| 3768606.95 | 316.80 | 316.00 | 315.50 |
| 3768554.03 | 316.30 | 315.70 | 314.90 |
| 3768501.11 | 315.70 | 315.50 | 314.60 |
| 3768448.19 | 315.00 | 314.80 | 314.30 |
| 3768395.27 | 314.10 | 314.10 | 313.70 |





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

```
( 463254.2, 3768833.6,     320.7,     320.7,       0.0);         ( 463393.1, 3768834.1,     321.8,     321.8,       0.0);
( 463394.8, 3768875.6,     322.7,     322.7,       0.0);         ( 463431.0, 3769285.9,     328.0,     328.0,       0.0);
( 463500.5, 3769068.7,     325.8,     325.8,       0.0);         ( 463480.0, 3768844.4,     323.2,     323.2,       0.0);
( 463443.5, 3768760.5,     321.4,     321.4,       0.0);         ( 463430.2, 3768626.9,     319.6,     319.6,       0.0);
( 463263.2, 3768577.4,     317.1,     317.1,       0.0);         ( 463191.5, 3768499.3,     317.2,     317.2,       0.0);
( 463093.3, 3768680.6,     320.2,     320.2,       0.0);
```

```
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


                          SOURCE          - - RECEPTOR LOCATION - -         DISTANCE
                            ID           XR (METERS)   YR (METERS)         (METERS)
                        - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                         L0008480            463270.7     3768659.9            -0.41
                         L0008481            463270.7     3768659.9            -5.78
                         L0008487            463324.3     3768659.9            -5.74
                         L0008488            463324.3     3768659.9            -0.77

*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                    ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations 2038-2051 Rev 1                                ***        14:20:23
                                                                                                                     PAGE  21
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

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


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

                                                 1.54,   3.09,   5.14,   8.23,  10.80,

*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                    ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations 2038-2051 Rev 1                                ***        14:20:23
                                                                                                                     PAGE  22
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

  Surface file:   E:\New MET data\FONT_V9_ADJU\FONT_v9.SFC                                    Met Version:  16216
  Profile file:   E:\New MET data\FONT_V9_ADJU\FONT_v9.PFL
  Surface format: FREE
```

Profile format: FREE
Surface station no.: 3102 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2011 Year: 2011

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 01 | 01 | 1 | 01 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 204. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 69. | 9.1 | 276.4 | 5.5 |
| 11 | 01 | 01 | 1 | 02 | -23.8 | 0.239 | -9.000 | -9.000 | -999. | 281. | 63.0 | 0.25 | 2.82 | 1.00 | 2.20 | 52. | 9.1 | 275.4 | 5.5 |
| 11 | 01 | 01 | 1 | 03 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 205. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 32. | 9.1 | 275.4 | 5.5 |
| 11 | 01 | 01 | 1 | 04 | -1.4 | 0.067 | -9.000 | -9.000 | -999. | 57. | 18.3 | 0.25 | 2.82 | 1.00 | 0.40 | 27. | 9.1 | 274.2 | 5.5 |
| 11 | 01 | 01 | 1 | 05 | -18.6 | 0.194 | -9.000 | -9.000 | -999. | 204. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 51. | 9.1 | 274.2 | 5.5 |
| 11 | 01 | 01 | 1 | 06 | -29.7 | 0.296 | -9.000 | -9.000 | -999. | 387. | 96.6 | 0.25 | 2.82 | 1.00 | 2.70 | 53. | 9.1 | 274.2 | 5.5 |
| 11 | 01 | 01 | 1 | 07 | -24.0 | 0.239 | -9.000 | -9.000 | -999. | 282. | 63.0 | 0.25 | 2.82 | 1.00 | 2.20 | 70. | 9.1 | 274.2 | 5.5 |
| 11 | 01 | 01 | 1 | 08 | -8.4 | 0.138 | -9.000 | -9.000 | -999. | 127. | 27.3 | 0.25 | 2.82 | 0.54 | 1.30 | 72. | 9.1 | 275.4 | 5.5 |
| 11 | 01 | 01 | 1 | 09 | 44.3 | 0.280 | 0.571 | 0.005 | 147. | 356. | -43.5 | 0.25 | 2.82 | 0.32 | 2.20 | 67. | 9.1 | 277.5 | 5.5 |
| 11 | 01 | 01 | 1 | 10 | 122.7 | 0.264 | 0.952 | 0.005 | 247. | 326. | -13.2 | 0.25 | 2.82 | 0.25 | 1.80 | 83. | 9.1 | 279.9 | 5.5 |
| 11 | 01 | 01 | 1 | 11 | 179.8 | 0.316 | 1.733 | 0.005 | 1017. | 426. | -15.4 | 0.25 | 2.82 | 0.22 | 2.20 | 58. | 9.1 | 282.0 | 5.5 |
| 11 | 01 | 01 | 1 | 12 | 206.0 | 0.320 | 1.940 | 0.008 | 1244. | 435. | -14.0 | 0.25 | 2.82 | 0.21 | 2.20 | 115. | 9.1 | 283.1 | 5.5 |
| 11 | 01 | 01 | 1 | 13 | 132.6 | 0.214 | 1.733 | 0.009 | 1377. | 243. | -6.5 | 0.25 | 2.82 | 0.21 | 1.30 | 147. | 9.1 | 284.2 | 5.5 |
| 11 | 01 | 01 | 1 | 14 | 147.0 | 0.216 | 1.818 | 0.009 | 1431. | 242. | -6.0 | 0.25 | 2.82 | 0.23 | 1.30 | 219. | 9.1 | 284.9 | 5.5 |
| 11 | 01 | 01 | 1 | 15 | 104.0 | 0.208 | 1.633 | 0.009 | 1468. | 228. | -7.6 | 0.25 | 2.82 | 0.26 | 1.30 | 126. | 9.1 | 285.4 | 5.5 |
| 11 | 01 | 01 | 1 | 16 | 26.4 | 0.140 | 1.037 | 0.009 | 1477. | 127. | -9.1 | 0.25 | 2.82 | 0.35 | 0.90 | 151. | 9.1 | 284.9 | 5.5 |
| 11 | 01 | 01 | 1 | 17 | -9.0 | 0.137 | -9.000 | -9.000 | -999. | 121. | 24.9 | 0.25 | 2.82 | 0.63 | 1.30 | 69. | 9.1 | 283.1 | 5.5 |
| 11 | 01 | 01 | 1 | 18 | -33.4 | 0.342 | -9.000 | -9.000 | -999. | 481. | 129.0 | 0.25 | 2.82 | 1.00 | 3.10 | 81. | 9.1 | 281.4 | 5.5 |
| 11 | 01 | 01 | 1 | 19 | -33.6 | 0.342 | -9.000 | -9.000 | -999. | 481. | 128.9 | 0.25 | 2.82 | 1.00 | 3.10 | 51. | 9.1 | 279.9 | 5.5 |
| 11 | 01 | 01 | 1 | 20 | -23.6 | 0.239 | -9.000 | -9.000 | -999. | 287. | 63.1 | 0.25 | 2.82 | 1.00 | 2.20 | 77. | 9.1 | 278.8 | 5.5 |
| 11 | 01 | 01 | 1 | 21 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 205. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 53. | 9.1 | 277.5 | 5.5 |
| 11 | 01 | 01 | 1 | 22 | -23.7 | 0.239 | -9.000 | -9.000 | -999. | 281. | 63.0 | 0.25 | 2.82 | 1.00 | 2.20 | 58. | 9.1 | 277.5 | 5.5 |
| 11 | 01 | 01 | 1 | 23 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 205. | 41.2 | 0.25 | 2.82 | 1.00 | 1.80 | 64. | 9.1 | 277.5 | 5.5 |
| 11 | 01 | 01 | 1 | 24 | -4.5 | 0.094 | -9.000 | -9.000 | -999. | 74. | 16.3 | 0.25 | 2.82 | 1.00 | 0.90 | 52. | 9.1 | 277.0 | 5.5 |

First hour of profile data

| YR | MO | DY | HR | HEIGHT | F | WDIR | WSPD | AMB_TMP | sigmaA | sigmaW | sigmaV |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 01 | 01 | 01 | 5.5 | 0 | -999. | -99.00 | 276.5 | 99.0 | -99.00 | -99.00 |
| 11 | 01 | 01 | 01 | 9.1 | 1 | 69. | 1.80 | -999.0 | 99.0 | -99.00 | -99.00 |

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

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*** AERMET - VERSION 16216 *** *** DPM Concentrations 2038-2051 Rev 1 *** 14:20:23
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008358 , L0008359 , L0008360 , L0008361 , L0008362 ,
L0008363 , L0008364 , L0008365 , L0008366 , L0008367 , L0008368 , L0008369 , L0008370 ,
L0008371 , L0008372 , L0008373 , L0008374 , L0008375 , L0008376 , L0008377 , L0008378 ,
L0008379 , L0008380 , L0008381 , L0008382 , L0008383 , L0008384 , L0008385 , . . . ,

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

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

| Y-COORD (METERS) | X-COORD (METERS) 462841.80 | 462895.41 | 462949.02 | 463002.63 | 463056.24 | 463109.85 | 463163.46 | 463217.07 | 463270.68 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 0.00012 | 0.00013 | 0.00015 | 0.00017 | 0.00018 | 0.00020 | 0.00023 | 0.00026 | 0.00031 |
| 3769400.75 | 0.00013 | 0.00015 | 0.00017 | 0.00019 | 0.00021 | 0.00023 | 0.00026 | 0.00031 | 0.00038 |
| 3769347.83 | 0.00015 | 0.00017 | 0.00019 | 0.00021 | 0.00024 | 0.00027 | 0.00030 | 0.00036 | 0.00046 |
| 3769294.91 | 0.00016 | 0.00019 | 0.00021 | 0.00024 | 0.00027 | 0.00030 | 0.00035 | 0.00041 | 0.00052 |
| 3769241.99 | 0.00018 | 0.00021 | 0.00023 | 0.00026 | 0.00030 | 0.00034 | 0.00040 | 0.00047 | 0.00059 |
| 3769189.07 | 0.00020 | 0.00023 | 0.00026 | 0.00030 | 0.00034 | 0.00039 | 0.00045 | 0.00053 | 0.00066 |
| 3769136.15 | 0.00023 | 0.00025 | 0.00029 | 0.00033 | 0.00039 | 0.00045 | 0.00052 | 0.00061 | 0.00074 |
| 3769083.23 | 0.00025 | 0.00028 | 0.00032 | 0.00038 | 0.00045 | 0.00053 | 0.00062 | 0.00072 | 0.00087 |
| 3769030.31 | 0.00027 | 0.00031 | 0.00037 | 0.00044 | 0.00052 | 0.00064 | 0.00077 | 0.00090 | 0.00107 |
| 3768977.39 | 0.00029 | 0.00034 | 0.00041 | 0.00051 | 0.00063 | 0.00077 | 0.00095 | 0.00115 | 0.00135 |
| 3768924.47 | 0.00033 | 0.00039 | 0.00048 | 0.00060 | 0.00075 | 0.00094 | 0.00124 | 0.00157 | 0.00187 |
| 3768871.55 | 0.00036 | 0.00043 | 0.00054 | 0.00068 | 0.00088 | 0.00118 | 0.00170 | 0.00252 | 0.00315 |
| 3768818.63 | 0.00038 | 0.00046 | 0.00058 | 0.00075 | 0.00100 | 0.00143 | 0.00237 | 0.00625 | 0.00871 |
| 3768765.71 | 0.00040 | 0.00049 | 0.00061 | 0.00080 | 0.00109 | 0.00163 | 0.00286 | 0.00737 | 0.01119 |
| 3768712.79 | 0.00040 | 0.00050 | 0.00063 | 0.00082 | 0.00114 | 0.00171 | 0.00298 | 0.00685 | 0.00990 |
| 3768659.87 | 0.00041 | 0.00050 | 0.00062 | 0.00081 | 0.00112 | 0.00166 | 0.00283 | 0.00742 | 0.01232 |
| 3768606.95 | 0.00040 | 0.00048 | 0.00060 | 0.00077 | 0.00104 | 0.00147 | 0.00226 | 0.00398 | 0.00494 |
| 3768554.03 | 0.00039 | 0.00046 | 0.00057 | 0.00071 | 0.00092 | 0.00122 | 0.00163 | 0.00213 | 0.00255 |
| 3768501.11 | 0.00037 | 0.00044 | 0.00052 | 0.00064 | 0.00079 | 0.00098 | 0.00120 | 0.00146 | 0.00170 |
| 3768448.19 | 0.00035 | 0.00040 | 0.00048 | 0.00057 | 0.00067 | 0.00080 | 0.00094 | 0.00109 | 0.00118 |
| 3768395.27 | 0.00032 | 0.00037 | 0.00043 | 0.00050 | 0.00057 | 0.00066 | 0.00074 | 0.00082 | 0.00085 |

*** AERMOD - VERSION 21112 *** *** 19349 Bloomington Truck Storage *** 10/15/21
*** AERMET - VERSION 16216 *** *** DPM Concentrations 2038-2051 Rev 1 *** 14:20:23
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008358 , L0008359 , L0008360 , L0008361 , L0008362 ,
L0008363 , L0008364 , L0008365 , L0008366 , L0008367 , L0008368 , L0008369 , L0008370 ,
L0008371 , L0008372 , L0008373 , L0008374 , L0008375 , L0008376 , L0008377 , L0008378 ,
L0008379 , L0008380 , L0008381 , L0008382 , L0008383 , L0008384 , L0008385 , . . . ,

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

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

| Y-COORD (METERS) | X-COORD (METERS) 463324.29 | 463377.90 | 463431.51 | 463485.12 | 463538.73 | 463592.34 | 463645.95 | 463699.56 | 463753.17 |
|---|---|---|---|---|---|---|---|---|---|
| 3769453.67 | 0.00039 | 0.00054 | 0.00063 | 0.00050 | 0.00040 | 0.00034 | 0.00031 | 0.00028 | 0.00026 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3769400.75 | 0.00053 | 0.00111 | 0.00228 | 0.00078 | 0.00052 | 0.00042 | 0.00036 | 0.00033 | 0.00030 |
| 3769347.83 | 0.00067 | 0.00149 | 0.00290 | 0.00097 | 0.00062 | 0.00048 | 0.00041 | 0.00037 | 0.00034 |
| 3769294.91 | 0.00078 | 0.00163 | 0.00306 | 0.00109 | 0.00070 | 0.00055 | 0.00047 | 0.00042 | 0.00038 |
| 3769241.99 | 0.00085 | 0.00172 | 0.00317 | 0.00118 | 0.00078 | 0.00062 | 0.00053 | 0.00047 | 0.00042 |
| 3769189.07 | 0.00093 | 0.00180 | 0.00327 | 0.00126 | 0.00086 | 0.00069 | 0.00059 | 0.00052 | 0.00047 |
| 3769136.15 | 0.00102 | 0.00188 | 0.00339 | 0.00135 | 0.00095 | 0.00077 | 0.00066 | 0.00058 | 0.00051 |
| 3769083.23 | 0.00113 | 0.00200 | 0.00353 | 0.00148 | 0.00106 | 0.00087 | 0.00074 | 0.00065 | 0.00057 |
| 3769030.31 | 0.00130 | 0.00216 | 0.00371 | 0.00164 | 0.00121 | 0.00100 | 0.00084 | 0.00072 | 0.00062 |
| 3768977.39 | 0.00162 | 0.00245 | 0.00400 | 0.00189 | 0.00142 | 0.00115 | 0.00096 | 0.00081 | 0.00068 |
| 3768924.47 | 0.00218 | 0.00295 | 0.00447 | 0.00226 | 0.00170 | 0.00135 | 0.00110 | 0.00090 | 0.00073 |
| 3768871.55 | 0.00340 | 0.00397 | 0.00527 | 0.00278 | 0.00204 | 0.00157 | 0.00123 | 0.00096 | 0.00076 |
| 3768818.63 | 0.00669 | 0.00629 | 0.00651 | 0.00342 | 0.00241 | 0.00176 | 0.00131 | 0.00099 | 0.00076 |
| 3768765.71 | 0.01741 | 0.01404 | 0.00799 | 0.00403 | 0.00262 | 0.00179 | 0.00128 | 0.00094 | 0.00072 |
| 3768712.79 | 0.01286 | 0.01098 | 0.00723 | 0.00385 | 0.00232 | 0.00156 | 0.00112 | 0.00084 | 0.00065 |
| 3768659.87 | 0.00906 | 0.01726 | 0.00428 | 0.00251 | 0.00169 | 0.00122 | 0.00092 | 0.00072 | 0.00057 |
| 3768606.95 | 0.00495 | 0.00394 | 0.00258 | 0.00174 | 0.00125 | 0.00096 | 0.00075 | 0.00061 | 0.00050 |
| 3768554.03 | 0.00283 | 0.00204 | 0.00169 | 0.00127 | 0.00099 | 0.00078 | 0.00063 | 0.00052 | 0.00044 |
| 3768501.11 | 0.00170 | 0.00131 | 0.00116 | 0.00097 | 0.00079 | 0.00065 | 0.00054 | 0.00045 | 0.00039 |
| 3768448.19 | 0.00113 | 0.00093 | 0.00085 | 0.00075 | 0.00064 | 0.00054 | 0.00046 | 0.00040 | 0.00034 |
| 3768395.27 | 0.00080 | 0.00070 | 0.00065 | 0.00059 | 0.00052 | 0.00046 | 0.00040 | 0.00035 | 0.00031 |



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008358 , L0008359 , L0008360 , L0008361 , L0008362 ,
L0008363 , L0008364 , L0008365 , L0008366 , L0008367 , L0008368 , L0008369 , L0008370 ,
L0008371 , L0008372 , L0008373 , L0008374 , L0008375 , L0008376 , L0008377 , L0008378 ,
L0008379 , L0008380 , L0008381 , L0008382 , L0008383 , L0008384 , L0008385 , . . . ,

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

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

| Y-COORD (METERS) | X-COORD (METERS) 463806.78 | 463860.39 | 463914.00 |
|---|---|---|---|
| 3769453.67 | 0.00025 | 0.00024 | 0.00023 |
| 3769400.75 | 0.00028 | 0.00027 | 0.00025 |
| 3769347.83 | 0.00031 | 0.00029 | 0.00027 |
| 3769294.91 | 0.00035 | 0.00032 | 0.00029 |
| 3769241.99 | 0.00038 | 0.00035 | 0.00032 |
| 3769189.07 | 0.00042 | 0.00038 | 0.00034 |
| 3769136.15 | 0.00046 | 0.00041 | 0.00037 |
| 3769083.23 | 0.00050 | 0.00044 | 0.00039 |
| 3769030.31 | 0.00054 | 0.00047 | 0.00041 |
| 3768977.39 | 0.00058 | 0.00049 | 0.00042 |
| 3768924.47 | 0.00060 | 0.00050 | 0.00043 |

```
 3768871.55 |       0.00061      0.00051      0.00043
 3768818.63 |       0.00061      0.00049      0.00041
 3768765.71 |       0.00057      0.00047      0.00039
 3768712.79 |       0.00052      0.00043      0.00036
 3768659.87 |       0.00047      0.00039      0.00034
 3768606.95 |       0.00042      0.00036      0.00031
 3768554.03 |       0.00037      0.00032      0.00028
 3768501.11 |       0.00033      0.00029      0.00026
 3768448.19 |       0.00030      0.00027      0.00024
 3768395.27 |       0.00027      0.00024      0.00022
```



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                         *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL      ***
                             INCLUDING SOURCE(S):     L0008358    , L0008359    , L0008360    , L0008361    , L0008362    ,
              L0008363    , L0008364    , L0008365    , L0008366    , L0008367    , L0008368    , L0008369    , L0008370    ,
              L0008371    , L0008372    , L0008373    , L0008374    , L0008375    , L0008376    , L0008377    , L0008378    ,
              L0008379    , L0008380    , L0008381    , L0008382    , L0008383    , L0008384    , L0008385    ,  . . .      ,

                                        *** 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        463254.19    3768833.64        0.00643                     463393.14    3768834.12        0.00591
        463394.80    3768875.62        0.00467                     463430.97    3769285.89        0.00314
        463500.45    3769068.72        0.00135                     463479.95    3768844.42        0.00322
        463443.46    3768760.52        0.00644                     463430.19    3768626.86        0.00313
        463263.21    3768577.44        0.00316                     463191.53    3768499.27        0.00132
        463093.30    3768680.58        0.00148
```



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                                   *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***


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

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

ALL       1ST HIGHEST VALUE IS       0.01741 AT (  463324.29,  3768765.71,   319.50,   319.50,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS       0.01726 AT (  463377.90,  3768659.87,   319.00,   319.00,    0.00)  GC  UCART1
```

```
         3RD HIGHEST VALUE IS       0.01404 AT (  463377.90,  3768765.71,   320.60,   320.60,    0.00)  GC  UCART1
         4TH HIGHEST VALUE IS       0.01286 AT (  463324.29,  3768712.79,   318.90,   318.90,    0.00)  GC  UCART1
         5TH HIGHEST VALUE IS       0.01232 AT (  463270.68,  3768659.87,   318.40,   318.40,    0.00)  GC  UCART1
         6TH HIGHEST VALUE IS       0.01119 AT (  463270.68,  3768765.71,   319.90,   319.90,    0.00)  GC  UCART1
         7TH HIGHEST VALUE IS       0.01098 AT (  463377.90,  3768712.79,   320.00,   320.00,    0.00)  GC  UCART1
         8TH HIGHEST VALUE IS       0.00990 AT (  463270.68,  3768712.79,   319.10,   319.10,    0.00)  GC  UCART1
         9TH HIGHEST VALUE IS       0.00906 AT (  463324.29,  3768659.87,   318.20,   318.20,    0.00)  GC  UCART1
        10TH HIGHEST VALUE IS       0.00871 AT (  463270.68,  3768818.63,   320.50,   320.50,    0.00)  GC  UCART1


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

*** AERMOD - VERSION 21112  ***   *** 19349 Bloomington Truck Storage                                    ***        10/15/21
*** AERMET - VERSION  16216 ***   *** DPM Concentrations 2038-2051 Rev 1                                ***        14:20:23
                                                                                                                     PAGE  28
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

A Total of            0 Fatal Error Message(s)
A Total of           12 Warning Message(s)
A Total of          838 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of           40 Calm Hours Identified

A Total of          798 Missing Hours Identified (  1.82 Percent)


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


   ********   WARNING MESSAGES   ********
SO W320     408        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     410        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     412        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     414        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     416        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
ME W186     795       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used           0.50
ME W187     795       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12010216
MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12042516
MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =                    12113003
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:      15010101
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MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:    1 year gap

   ************************************
   *** AERMOD Finishes Successfully ***
   ************************************
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EMFAC2017 for San Bernardino (SC) PM10 Running and Idling Exhaust

| Area | Season | Veh | Fuel | MdlYr | Speed (Miles/hr) | 2021 (gms/mile) | 2022 (gms/mile) | 2023 (gms/mile) | 2024 (gms/mile) | 2025 (gms/mile) | 2026 (gms/mile) | 2027 (gms/mile) | 2028 (gms/mile) | 2029 (gms/mile) | 2030 (gms/mile) | 2031 (gms/mile) | 2032 (gms/mile) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *San Bernardino (SC)* | *Annual* | *LHDT2* | *DSL* | Aggregated | *0* | 0.786386 | 0.786999 | 0.787704 | 0.788815 | 0.79041 | 0.792099 | 0.793443 | 0.795102 | 0.796603 | 0.797478 | 0.795695 | 0.796184 |
| *San Bernardino (SC)* | Annual | LHDT2 | DSL | Aggregated | 5 | 0.071634 | 0.068164 | 0.064801 | 0.061574 | 0.058555 | 0.055644 | 0.0529 | 0.050412 | 0.048159 | 0.046096 | 0.044133 | 0.042483 |
| *San Bernardino (SC)* | Annual | LHDT2 | DSL | Aggregated | 10 | 0.053829 | 0.051687 | 0.049607 | 0.04761 | 0.045744 | 0.043936 | 0.042229 | 0.04068 | 0.039275 | 0.037984 | 0.036744 | 0.035705 |
| *San Bernardino (SC)* | Annual | LHDT2 | DSL | Aggregated | 35 | 0.020264 | 0.01977 | 0.019287 | 0.018824 | 0.018391 | 0.017966 | 0.017562 | 0.017195 | 0.016859 | 0.016547 | 0.016238 | 0.015982 |
| *San Bernardino (SC)* | *Annual* | *MHDT* | *DSL* | Aggregated | *0* | 0.243579 | 0.147006 | 0.043967 | 0.038351 | 0.032887 | 0.028163 | 0.024482 | 0.021469 | 0.019023 | 0.016871 | 0.014933 | 0.013514 |
| *San Bernardino (SC)* | Annual | MHDT | DSL | Aggregated | 5 | 0.204727 | 0.070223 | 0.006736 | 0.006571 | 0.006394 | 0.006222 | 0.00606 | 0.005934 | 0.005821 | 0.005713 | 0.00561 | 0.005519 |
| *San Bernardino (SC)* | Annual | MHDT | DSL | Aggregated | 10 | 0.174891 | 0.062291 | 0.005836 | 0.005702 | 0.005556 | 0.005413 | 0.005279 | 0.005175 | 0.005081 | 0.004991 | 0.004905 | 0.004829 |
| *San Bernardino (SC)* | Annual | MHDT | DSL | Aggregated | 35 | 0.068391 | 0.034264 | 0.003935 | 0.003951 | 0.003952 | 0.003939 | 0.003919 | 0.00391 | 0.0039 | 0.003886 | 0.003869 | 0.003854 |
| *San Bernardino (SC)* | *Annual* | *HHDT* | *DSL* | Aggregated | *0* | 0.022237 | 0.015028 | 0.012569 | 0.012319 | 0.012103 | 0.01185 | 0.011625 | 0.011464 | 0.01127 | 0.011067 | 0.010916 | 0.010806 |
| *San Bernardino (SC)* | Annual | HHDT | DSL | Aggregated | 5 | 0.090872 | 0.043461 | 0.013015 | 0.013009 | 0.012891 | 0.012711 | 0.01253 | 0.01236 | 0.012167 | 0.01198 | 0.011821 | 0.011671 |
| *San Bernardino (SC)* | Annual | HHDT | DSL | Aggregated | 10 | 0.078397 | 0.037097 | 0.011385 | 0.011388 | 0.011292 | 0.01114 | 0.010985 | 0.01084 | 0.010673 | 0.010511 | 0.010374 | 0.010245 |
| *San Bernardino (SC)* | Annual | HHDT | DSL | Aggregated | 35 | 0.036703 | 0.01772 | 0.008784 | 0.008889 | 0.008899 | 0.008855 | 0.008797 | 0.008732 | 0.008648 | 0.008564 | 0.008494 | 0.008425 |

| | **14 yr** | **14 yr** | **14 yr** | **14 yr** |
|---|---|---|---|---|
| | 2024-2037 | 2024-2037 | 2024-2037 | 2024-2037 |
| | **5 mph** | **10 mph** | **35 mph** | **0 mph (idling)** |
| LHDT2 | 0.04654 | 0.03822 | 0.01657 | 0.79348 |
| MHDT | 0.00574 | 0.00501 | 0.00387 | 0.01881 |
| HHDT | 0.01195 | 0.01049 | 0.00853 | 0.01113 |

| | **14 yr** | **14 yr** | **14 yr** | **14 yr** |
|---|---|---|---|---|
| | 2038-2051 | 2038-2051 | 2038-2051 | 2038-2051 |
| | **5 mph** | **10 mph** | **35 mph** | **0 mph (idling)** |
| LHDT2 | 0.03251 | 0.02939 | 0.01440 | 0.79386 |
| MHDT | 0.00497 | 0.00437 | 0.00368 | 0.00786 |
| HHDT | 0.01090 | 0.00959 | 0.00810 | 0.01017 |

| | **2 yr** | **2 yr** | **2 yr** | **2 yr** |
|---|---|---|---|---|
| | 2022&2023 | 2022&2023 | 2022&2023 | 2022&2023 |
| | **5 mph** | **10 mph** | **35 mph** | **0 mph (idling)** |
| LHDT2 | 0.06648 | 0.05065 | 0.01953 | 0.78735 |
| MHDT | 0.03848 | 0.03406 | 0.01910 | 0.09549 |
| HHDT | 0.02824 | 0.02424 | 0.01325 | 0.01380 |

| | **1 yr** | **1 yr** | **1 yr** | **1 yr** |
|---|---|---|---|---|
| | 2021 | 2021 | 2021 | 2021 |
| | **5 mph** | **10 mph** | **35 mph** | **0 mph (idling)** |
| LHDT2 | 0.07163 | 0.05383 | 0.02026 | 0.78639 |
| MHDT | 0.20473 | 0.17489 | 0.06839 | 0.24358 |
| HHDT | 0.09087 | 0.07840 | 0.03670 | 0.02224 |

| 2033 (gms/mile) | 2034 (gms/mile) | 2035 (gms/mile) | 2036 (gms/mile) | 2037 (gms/mile) | 2038 (gms/mile) | 2039 (gms/mile) | 2040 (gms/mile) | 2041 (gms/mile) | 2042 (gms/mile) | 2043 (gms/mile) | 2044 (gms/mile) | 2045 (gms/mile) | 2046 (gms/mile) | 2047 (gms/mile) | 2048 (gms/mile) | 2049 (gms/mile) | 2050 (gms/mile) | 2051 (gms/mile) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.795717 | 0.793787 | 0.791222 | 0.79107 | 0.791116 | 0.790956 | 0.791586 | 0.792098 | 0.792516 | 0.792807 | 0.79303 | 0.793517 | 0.793923 | 0.794428 | 0.794848 | 0.795265 | 0.795781 | 0.796661 | 0.796661 |
| 0.040943 | 0.039478 | 0.037983 | 0.03704 | 0.036168 | 0.035381 | 0.034666 | 0.03411 | 0.033677 | 0.033368 | 0.033141 | 0.032711 | 0.032349 | 0.031916 | 0.031563 | 0.031221 | 0.03081 | 0.030128 | 0.030128 |
| 0.034726 | 0.033781 | 0.032811 | 0.032218 | 0.031667 | 0.031168 | 0.030716 | 0.030368 | 0.030099 | 0.029912 | 0.02978 | 0.029515 | 0.029293 | 0.029024 | 0.028808 | 0.028599 | 0.028345 | 0.027917 | 0.027917 |
| 0.015733 | 0.015483 | 0.015221 | 0.015075 | 0.014938 | 0.014812 | 0.014699 | 0.014616 | 0.014552 | 0.014512 | 0.014488 | 0.014427 | 0.014377 | 0.014314 | 0.014266 | 0.014219 | 0.014161 | 0.014057 | 0.014057 |
| 0.012353 | 0.011424 | 0.010586 | 0.009897 | 0.009429 | 0.009035 | 0.008727 | 0.008434 | 0.008204 | 0.008022 | 0.007872 | 0.00774 | 0.007617 | 0.007526 | 0.00745 | 0.007401 | 0.007367 | 0.007339 | 0.007339 |
| 0.005445 | 0.005375 | 0.005303 | 0.005233 | 0.005179 | 0.005131 | 0.005087 | 0.005047 | 0.005012 | 0.004985 | 0.004962 | 0.004943 | 0.004929 | 0.004918 | 0.00491 | 0.004906 | 0.004905 | 0.004904 | 0.004904 |
| 0.004767 | 0.004709 | 0.004649 | 0.004591 | 0.004546 | 0.004505 | 0.004468 | 0.004434 | 0.004405 | 0.004382 | 0.004362 | 0.004347 | 0.004334 | 0.004325 | 0.004318 | 0.004315 | 0.004313 | 0.004313 | 0.004313 |
| 0.003842 | 0.003827 | 0.003806 | 0.003787 | 0.003769 | 0.003752 | 0.003734 | 0.003718 | 0.003703 | 0.003692 | 0.003682 | 0.003674 | 0.003669 | 0.003665 | 0.003661 | 0.003658 | 0.003657 | 0.003657 | 0.003657 |
| 0.010682 | 0.010536 | 0.010437 | 0.010378 | 0.010337 | 0.010304 | 0.010265 | 0.010238 | 0.010215 | 0.010194 | 0.010181 | 0.010167 | 0.010151 | 0.010136 | 0.010124 | 0.010111 | 0.0101 | 0.010093 | 0.010093 |
| 0.011519 | 0.011343 | 0.011205 | 0.011113 | 0.011047 | 0.011001 | 0.010958 | 0.010935 | 0.010919 | 0.010908 | 0.010902 | 0.010894 | 0.010885 | 0.010876 | 0.010871 | 0.01087 | 0.010871 | 0.010875 | 0.010875 |
| 0.010112 | 0.009959 | 0.009839 | 0.009762 | 0.009705 | 0.009666 | 0.009631 | 0.009612 | 0.009599 | 0.00959 | 0.009585 | 0.009579 | 0.009572 | 0.009565 | 0.009561 | 0.00956 | 0.009561 | 0.009564 | 0.009564 |
| 0.008356 | 0.008274 | 0.008207 | 0.008167 | 0.008136 | 0.008115 | 0.008101 | 0.008095 | 0.008092 | 0.008094 | 0.008096 | 0.008099 | 0.008101 | 0.008103 | 0.008104 | 0.008104 | 0.008105 | 0.008108 | 0.008108 |

*Note: 2051 data is the same as the 2050 data as 2017 EMFAC only has up to year 2050 data available.

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