

# **190TH STREET WAREHOUSE PROJECT AIR QUALITY, GLOBAL CLIMATE CHANGE, HEALTH RISK ASSESSMENT, AND ENERGY IMPACT ANALYSIS**

City of Torrance

May 15, 2020



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

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May 15, 2020

*prepared by*  
Katie Wilson, MS  
Catherine Howe, MS



**GANDDINI GROUP INC**  
550 Parkcenter Drive, Suite 202  
Santa Ana, CA 92705  
(714) 795-3100 | [ganddini.com](http://ganddini.com)

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# EXECUTIVE SUMMARY

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The purpose of this air quality and global climate change impact analysis is to provide an assessment of the impacts resulting from development of the proposed 190th Street Warehouse project and to identify measures that may be necessary to reduce potentially significant impacts.

## CONSTRUCTION-SOURCE EMISSIONS

Project construction-source emissions would not exceed applicable regional thresholds of significance established by the South Coast Air Quality Management District (SCAQMD). For localized emissions, the project will not exceed applicable Localized Significance Thresholds (LSTs) established by the SCAQMD.

Project construction-source emissions would not conflict with the Basin Air Quality Management Plan (AQMP). As discussed herein, the project will comply with all applicable SCAQMD construction-source emission reduction rules and guidelines. Project construction source emissions would not cause or substantively contribute to violation of the California Ambient Air Quality Standards (CAAQS) or National Ambient Air Quality Standards (NAAQS).

Established requirements addressing construction equipment operations, and construction material use, storage, and disposal requirements act to minimize odor impacts that may result from construction activities. Moreover, construction-source odor emissions would be temporary, short-term, and intermittent in nature and would not result in persistent impacts that would affect substantial numbers of people. Potential construction-source odor impacts are therefore considered less than significant.

## OPERATIONAL-SOURCE EMISSIONS

Project operational-sourced emissions would not exceed applicable regional thresholds of significance established by the SCAQMD. Project operational-source emissions would not result in or cause a significant localized air quality impact as discussed in the Operations-Related Local Air Quality Impacts section of this report. Additionally, project-related trips will not cause or result in CO concentrations exceeding applicable state and/or federal standards (CO "hotspots"). Project operational-source emissions would therefore not adversely affect sensitive receptors within the vicinity of the project.

Project operational-source emissions would not conflict with the Basin Air Quality Management Plan (AQMP). The project's emissions meet SCAQMD regional thresholds and will not result in a significant cumulative impact. The project does not propose any such uses or activities that would result in potentially significant operational-source odor impacts. Potential operational-source odor impacts are therefore considered less than significant.

## GREENHOUSE GASES

With incorporation of sustainable design and compliance with regulation, regulatory compliance and credit for reductions due to CAPCOA location-based efficiency measures, project-related GHG emissions do not exceed the SCAQMD draft screening threshold of 3,000 MTCO<sub>2e</sub> per year for all land uses, and GHG emissions are considered to be less than significant.

Furthermore, with incorporation of sustainable design and compliance with regulation, the project's GHG emissions would not exceed the SCAQMD draft screening threshold (based on EO S-3-05). The project would not conflict with the goals of AB-32, SB-32, or the with the City of Torrance Climate Action Plan; therefore, the project would not conflict with an applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases and impacts are considered to be less than significant.

# 1. INTRODUCTION

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This section describes the purpose of this air quality, global climate change, health risk assessment, and energy impact analysis, 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 regional/local air quality impacts and global climate change impacts, from project related air emissions. The objectives of the study include:

- documentation of the atmospheric setting
- discussion of criteria pollutants and greenhouse gases
- discussion of the air quality and global climate change regulatory framework
- discussion of the air quality, greenhouse gases, and cancer risk thresholds of significance
- analysis of the construction related air quality and greenhouse gas emissions
- analysis of the operations related air quality and greenhouse gas emissions
- analysis of the operations related cancer risk from diesel emissions
- analysis of the conformity of the proposed project with the SCAQMD AQMP
- analysis of the project's energy use during construction and operation
- recommendations for mitigation measures

The City of Torrance is the lead agency for this air quality and greenhouse gas analysis, 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 and global climate change, a definition of terms has been provided in Appendix A.

## PROJECT LOCATION

The proposed project is located at the northeast corner of Crenshaw Place and 190<sup>th</sup> Street at 2555 West 190<sup>th</sup> Street in the City of Torrance. The project site is currently developed with an existing 160,000 square foot office building that is currently vacant and has not been actively marketed pending the redevelopment of the subject property as proposed by the project, in addition to excess surface parking areas. A vicinity map showing the project location is provided on Figure 1.

According to the SCAQMD's MATES-IV study, the project area has an estimated cancer risk of 1,218.65 in one million chance of cancer. In comparison the average cancer risk for the Los Angeles County is 415 in one million. This increased cancer risk is largely due to the proximity to the I-405 Freeway.

## PROJECT DESCRIPTION

The proposed project includes development of a state-of-the-art industrial warehouse with 305,550 square feet of floor area consisting of 86,780 square feet of warehouse, 198,400 square feet of manufacturing, and 20,370 square feet of office, inclusive of 14,550 square feet of mezzanine space. The project would require demolition of the existing approximately 160,000 square foot office building. Figure 2 illustrates the proposed site plan.

## PHASING AND TIMING

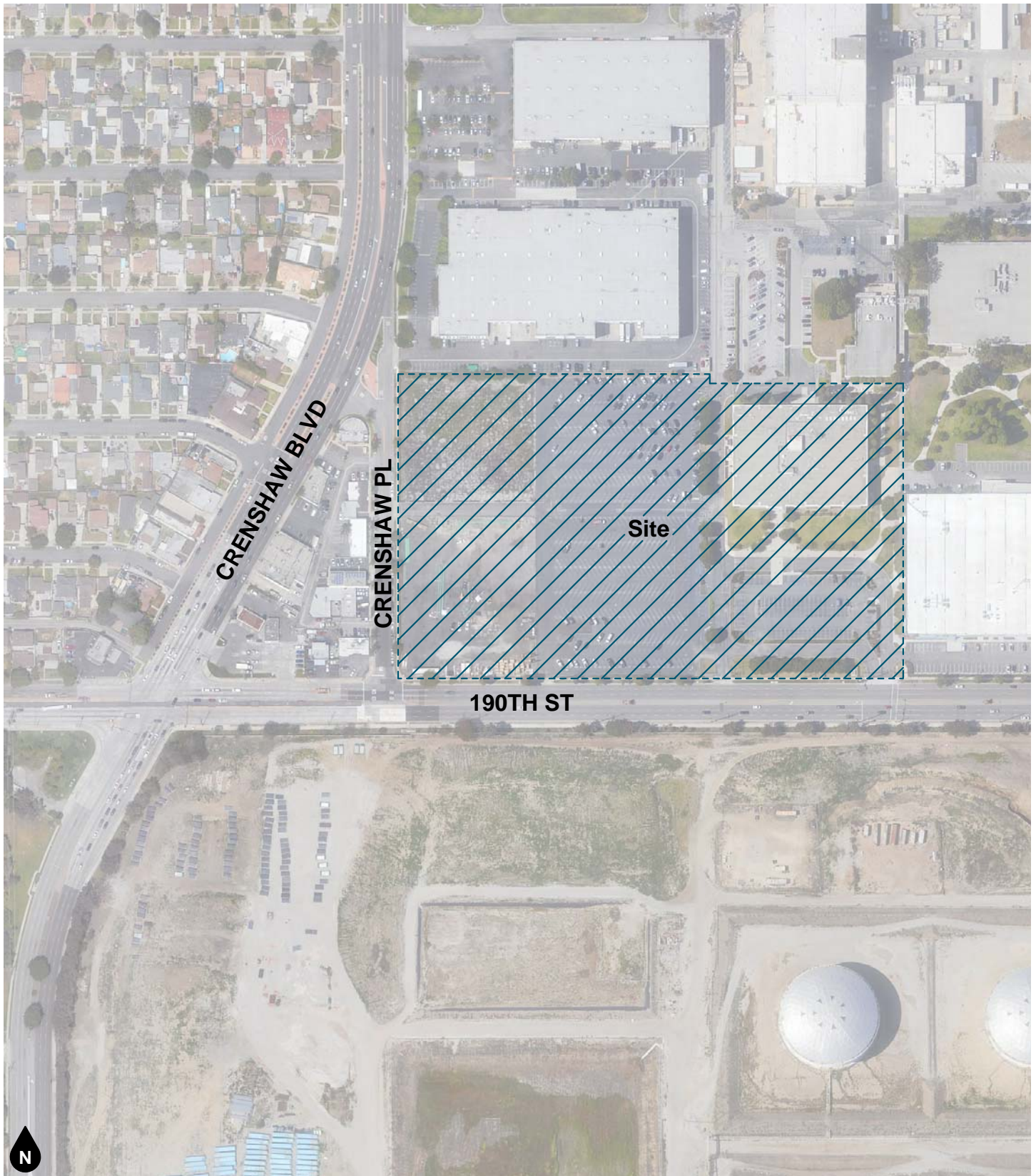
The proposed project is anticipated for opening in 2022. The project is anticipated to be built in one phase. Demolition of the existing building is anticipated to start no sooner mid-June 2020, while building construction is anticipated to begin no sooner than May 2021 and being completed by May 2022.



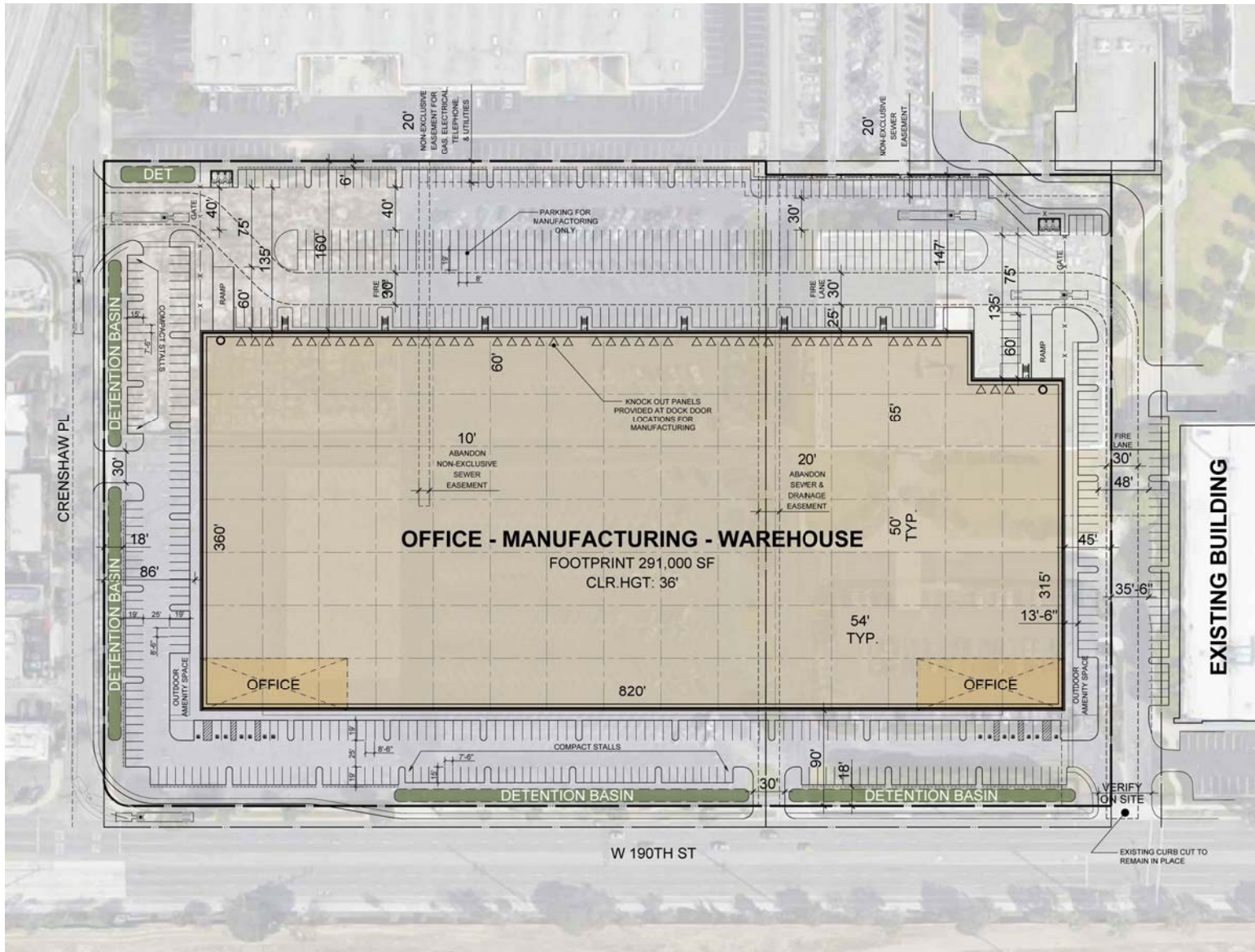
## **SENSITIVE RECEPTORS IN PROJECT VICINITY**

Those who are sensitive to air pollution include children, the elderly, and persons with preexisting respiratory or cardiovascular illness. For purposes of CEQA, the SCAQMD considers a sensitive receptor to be a location where a sensitive individual could remain for 24 hours, such as residences, hospitals, or convalescent facilities (South Coast Air Quality Management District 2008). Commercial and industrial facilities are not included in the definition because employees do not typically remain on-site for 24 hours.

The nearest sensitive receptors to the project site include the single-family detached residential dwelling units located on the opposite side of Crenshaw Boulevard, as close as approximately 215 feet west of the project site, and 0.31 miles east of the project site. Other air quality sensitive land uses are located further from the project site and would experience lower impacts.



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



**Figure 2**  
**Site Plan**

## 2. AIR QUALITY ANALYSIS

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### EXISTING AIR QUALITY CONDITIONS

#### **Local Air Quality**

The project site is located within the City of Torrance, in the southern portion of Los Angeles 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.

Dominant airflows provide the driving mechanism for transport and dispersion of air pollution. The mountains surrounding the region form natural horizontal barriers to the dispersion of air contaminants. Air pollution created in the coastal areas and around the Los Angeles area is transported inland until it reaches the mountains where the combination of mountains and inversion layers generally prevent further dispersion. This poor ventilation results in a gradual degradation of air quality from the coastal areas to inland areas. Air stagnation may occur during the early evening and early morning periods of transition between day and nighttime flows. The region also experiences periods of hot, dry winds from the desert, known as Santa Ana winds. If the Santa Ana winds are strong, they can surpass the sea breeze, which blows from the ocean to the land, and carry the suspended dust and pollutants out to the ocean. If the winds are weak, they are opposed by the sea breeze and cause stagnation, resulting in high pollution events.

The annual average temperature varies little throughout much of the basin, ranging from the low to middle 60s, measured in degrees Fahrenheit (°F). With more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas. The majority of the annual rainfall in the basin occurs between November and April. Summer rainfall is minimal and is generally limited to scattered thunderstorms in the coastal regions and slightly heavier showers in the eastern portion of the basin along the coastal side of the mountains. Year-to-year patterns in rainfall are unpredictable because of fluctuations in the weather.

Temperature inversions limit the vertical depth through which pollution can be mixed. Among the most common temperature inversions in the basin are radiation inversions, which form on clear winter nights when cold air off mountains sink to the valley floor while the air aloft over the valley remains warm. These inversions, in conjunction with calm winds, trap pollutants near the source. Other types of temperature inversions that affect the basin include marine, subsidence, and high-pressure inversions.

Summers are often periods of hazy visibility and occasionally unhealthy air. Strong temperature inversions may occur that limit the vertical depth through which air pollution can be dispersed. Air pollutants concentrate because they cannot rise through the inversion layer and disperse. These inversions are more common and persistent during the summer months. Over time, sunlight produces photochemical reactions within this inversion layer that creates ozone, a particularly harmful air pollutant. Occasionally, strong thermal convections occur which allows the air pollutants to rise high enough to pass over the mountains and ultimately dilute the smog cloud.

**Table 1  
Local Monthly Climate Data**

Descriptor	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Avg. Max. Temperature	66.5	66.8	68.1	70.6	72.3	74.6	77.8	78.8	78.1	75.4	68.4	66.8
Avg. Min. Temperature	46.2	47.7	49.4	51.5	55.1	58	61.3	61.9	60.5	56.5	48.9	46.3
Avg. Total Precipitation (in.)	3.19	3.68	2.33	0.82	0.26	0.07	0.05	0.03	0.16	0.62	1.16	2.29

Source: <https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca8973>

Data from the Torrance, CA station (048973).

## **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.

### *Criteria Pollutants*

The criteria pollutants consist of: ozone, nitrogen dioxide, carbon monoxide, sulfur dioxide, lead, and particulate matter. These pollutants can harm your health and the environment, and cause property damage. The Environmental Protection Agency (EPA) calls these pollutants “criteria” air pollutants because it regulates them by developing human health-based and/or environmentally-based criteria for setting permissible levels. The following provides descriptions of each of the criteria pollutants.

### *Nitrogen Dioxides*

Nitrogen Oxides (NO<sub>x</sub>) is the generic term for a group of highly reactive gases which contain nitrogen and oxygen. While most NO<sub>x</sub> are colorless and odorless, concentrations of nitrogen dioxide (NO<sub>2</sub>) can often be seen as a reddish-brown layer over many urban areas. NO<sub>x</sub> form when fuel is burned at high temperatures, as in a combustion process. The primary manmade sources of NO<sub>x</sub> are motor vehicles, electric utilities, and other industrial, commercial, and residential sources that burn fuel. NO<sub>x</sub> reacts with other pollutants to form, ground-level ozone, nitrate particles, acid aerosols, as well as NO<sub>2</sub>, which cause respiratory problems. NO<sub>x</sub> and the pollutants formed from NO<sub>x</sub> can be transported over long distances, following the patterns of prevailing winds. Therefore, controlling NO<sub>x</sub> is often most effective if done from a regional perspective, rather than focusing on the nearest sources.

### *Ozone*

Ozone (O<sub>3</sub>) is not usually emitted directly into the air but at ground-level is created by a chemical reaction between NO<sub>x</sub> and volatile organic compounds (VOC) in the presence of sunlight. Motor vehicle exhaust, industrial emissions, gasoline vapors, chemical solvents as well as natural sources emit NO<sub>x</sub> and VOC that help form ozone. Ground-level ozone is the primary constituent of smog. Sunlight and hot weather cause ground-level ozone to form with the greatest concentrations usually occurring downwind from urban areas. Ozone is subsequently considered a regional pollutant. Ground-level ozone is a respiratory irritant and an oxidant that increases susceptibility to respiratory infections and can cause substantial damage to vegetation and other materials. Because NO<sub>x</sub> and VOC are ozone precursors, the health effects associated with ozone are also indirect health effects associated with significant levels of NO<sub>x</sub> and VOC emissions.

### *Carbon Monoxide*

Carbon monoxide (CO) is a colorless, odorless gas that is formed when carbon in fuel is not burned completely. It is a component of motor vehicle exhaust, which contributes about 56 percent of all CO emissions nationwide. In cities, 85 to 95 percent of all CO emissions may come from motor vehicle exhaust. Other sources of CO emissions include industrial processes (such as metals processing and chemical manufacturing), residential wood burning, and natural sources such as forest fires. Woodstoves, gas stoves, cigarette smoke, and unvented gas and kerosene space heaters are indoor sources of CO. The highest levels of CO in the outside air typically occur during the colder months of the year when inversion conditions are more frequent. The air pollution becomes trapped near the ground beneath a layer of warm air. CO is described as having only a local influence because it dissipates quickly. Since CO concentrations are strongly associated with motor vehicle emissions, high CO concentrations generally occur in the immediate vicinity of roadways with high

traffic volumes and traffic congestion, active parking lots, and in automobile tunnels. Areas adjacent to heavily traveled and congested intersections are particularly susceptible to high CO concentrations.

CO is a public health concern because it combines readily with hemoglobin and thus reduces the amount of oxygen transported in the bloodstream. The health threat from lower levels of CO is most serious for those who suffer from heart disease such as angina, clogged arteries, or congestive heart failure. For a person with heart disease, a single exposure to CO at low levels may cause chest pain and reduce that person's ability to exercise; repeated exposures may contribute to other cardiovascular effects. High levels of CO can affect even healthy people. People who breathe high levels of CO can develop vision problems, reduced ability to work or learn, reduced manual dexterity, and difficulty performing complex tasks. At extremely high levels, CO is poisonous and can cause death.

#### *Sulfur Dioxide*

Sulfur Oxide (SOx) gases (including sulfur dioxide [SO<sub>2</sub>]) are formed when fuel containing sulfur, such as coal and oil is burned, and from the refining of gasoline. SOx dissolves easily in water vapor to form acid and interacts with other gases and particles in the air to form sulfates and other products that can be harmful to people and the environment.

#### *Lead*

Lead (Pb) is a metal found naturally in the environment as well as manufactured products. The major sources of lead emissions have historically been motor vehicles and industrial sources. Due to the phase out of leaded gasoline, metal processing is now the primary source of lead emissions to the air. High levels of lead in the air are typically only found near lead smelters, waste incinerators, utilities, and lead-acid battery manufacturers. Exposure of fetuses, infants and children to low levels of lead can adversely affect the development and function of the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased lead levels are associated with increased blood pressure.

#### *Particulate Matter*

Particulate matter (PM) is the term for a mixture of solid particles and liquid droplets found in the air. Particulate matter is made up of a number of components including acids (such as nitrates and sulfates), organic chemicals, metals, and soil or dust particles. The size of particles is directly linked to their potential for causing health problems. Particles that are less than 10 micrometers in diameter (PM<sub>10</sub>) are the particles that generally pass through the throat and nose and enter the lungs. Once inhaled, these particles can affect the heart and lungs and cause serious health effects. Particles that are less than 2.5 micrometers in diameter (PM<sub>2.5</sub>) have been designated as a subset of PM<sub>10</sub> due to their increased negative health impacts and its ability to remain suspended in the air longer and travel further.

#### *Reactive Organic Gases (ROG)*

Although not a criteria pollutant, reactive organic gases (ROGs), or volatile organic compounds (VOCs), are defined as any compound of carbon—excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate—that participates in atmospheric photochemical reactions. Although there are slight differences in the definition of ROGs and VOCs, the two terms are often used interchangeably. Indoor sources of VOCs include paints, solvents, aerosol sprays, cleansers, tobacco smoke, etc. Outdoor sources of VOCs are from combustion and fuel evaporation. A reduction in VOC emissions reduces certain chemical reactions that contribute to the formulation of ozone. VOCs are transformed into organic aerosols in the atmosphere, which contribute to higher PM<sub>10</sub> and lower visibility.

## **Other Pollutants of Concern**

### *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 PM<sub>2.5</sub> 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.

### *Asbestos*

Asbestos is listed as a TAC by the ARB and as a Hazardous Air Pollutant by the 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 Los Angeles 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 in Santa Barbara County. 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**

The United States Environmental Protection Agency (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 and are shown below in Table 2.

The EPA and the California Air Resource Board (CARB) designate air basins where ambient air quality standards are exceeded as “nonattainment” areas. If standards are met, the area is designated as an “attainment” area. If there is inadequate or inconclusive data to make a definitive attainment designation, they are considered “unclassified.” National nonattainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards. Each standard has a different definition, or ‘form’ of what constitutes attainment, based on specific air quality statistics. For example, the Federal 8-hour CO standard is not to be exceeded more than once per year; therefore, an area is in attainment of the CO standard if no more than one 8-hour ambient air monitoring values exceeds the threshold per year. In contrast, the Federal annual PM<sub>2.5</sub> standard is met if the three-year average of the annual average PM<sub>2.5</sub> concentration is less than or equal to the standard. Attainment status is shown in Table 3.

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).

As indicated below in Table 3, the Basin has been designated by the EPA as a non-attainment area for ozone (O<sub>3</sub>) and suspended particulates (PM<sub>10</sub> and PM<sub>2.5</sub>). Currently, the Basin is in attainment with the ambient air quality standards for carbon monoxide (CO), lead, sulfur dioxide (SO<sub>2</sub>), suspended particulate matter (PM-2.5), and nitrogen dioxide (NO<sub>2</sub>).

## **State – California Air Resources Board**

The California Air Resources Board (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). The California Ambient Air Quality Standards (CAAQS) for criteria pollutants are shown in Table 2. In addition, the CARB establishes emission standards for motor vehicles sold in California, consumer products (e.g., hairspray, aerosol paints, and barbecue lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions.

The South Coast Air Basin has been designated by the CARB as a nonattainment area for ozone, PM<sub>10</sub> and PM<sub>2.5</sub>. Currently, the South Coast Air Basin is in attainment with the ambient air quality standards for CO, lead, SO<sub>2</sub>, NO<sub>2</sub>, and sulfates and is unclassified for visibility reducing particles and Hydrogen Sulfide.

On June 20, 2002, the CARB revised the PM<sub>10</sub> annual average standard to 20 µg/m<sup>3</sup> and established an annual average standard for PM<sub>2.5</sub> of 12 µg/m<sup>3</sup>. These standards were approved by the Office of Administrative Law in June 2003 and are now effective. On September 27, 2007 CARB approved the South Coast Air Basin and the Coachella Valley 2007 Air Quality Management Plan for Attaining the Federal 8-hour Ozone and PM<sub>2.5</sub> Standards. The plan projected attainment for the 8-hour Ozone standard by 2024 and the PM<sub>2.5</sub> standard by 2015.

On December 12, 2008 the CARB adopted Resolution 08-43, which limits NOx, PM10 and PM2.5 emissions from on-road diesel truck fleets that operate in California. On October 12, 2009 Executive Order R-09-010 was adopted that codified Resolution 08-43 into Section 2025, Title 13 of the California Code of Regulations. This regulation requires that by the year 2023 all commercial diesel trucks that operate in California shall meet model year 2010 (Tier 4) or latter emission standards. In the interim period, this regulation provides annual interim targets for fleet owners to meet. This regulation also provides a few exemptions including a onetime per year 3-day pass for trucks registered outside of California.

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 South Coast 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 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.

#### South Coast Air Quality Management District

The SCAQMD develops rules and regulations, establishes permitting requirements for stationary sources, inspects emission sources, and enforces such measures through educational programs or fines, when necessary. The SCAQMD is directly responsible for reducing emissions from stationary, mobile, and indirect sources. It has responded to this requirement by preparing a sequence of AQMPs. On June 30, 2016, the SCAQMD released its Draft 2016 AQMP. The 2016 AQMP is a regional blueprint for achieving the federal air quality standards and healthful air.

#### Air Quality Management Plan

The 2016 AQMP includes both stationary and mobile source strategies to ensure that rapidly approaching attainment deadlines are met, that public health is protected to the maximum extent feasible, and that the region is not faced with burdensome sanctions if the Plan is not approved or if the NAAQS are not met on

time. As with every AQMP, a comprehensive analysis of emissions, meteorology, atmospheric chemistry, regional growth projections, and the impact of existing control measures is updated with the latest data and methods. The most significant air quality challenge in the Basin is to reduce nitrogen oxide (NOx) emissions sufficiently to meet the upcoming ozone standard deadlines. On March 23, 2017 the CARB approved the 2016 AQMP. The primary goal of this Air Quality Management Plan is to meet clean air standards and protect public health, including ensuring benefits to environmental justice and disadvantaged communities. Now that the Plan has been approved by the CARB, it has been forwarded to the U.S. EPA for its review. The Plan was approved by the EPA on June 15, 2017.

### SCAQMD Rules and Regulations

During construction and operation, the project must comply with applicable rules and regulations. The following are rules the project may be required to comply with, either directly, or indirectly:

#### *SCAQMD Rule 402*

Prohibits a person from discharging from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

#### *SCAQMD Rule 403*

Governs emissions of fugitive dust during construction and operation activities. Compliance with this rule is achieved through application of standard Best Management Practices, such as application of water or chemical stabilizers to disturbed soils, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 miles per hour, sweeping loose dirt from paved site access roadways, cessation of construction activity when winds exceed 25 mph, and establishing a permanent ground cover on finished sites.

Rule 403 requires that fugitive dust be controlled with best available control measures so that the presence of such dust does not remain visible in the atmosphere beyond the property line of the emission source. In addition, SCAQMD Rule 403 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off-site. Applicable dust suppression techniques from Rule 403 are summarized below. Implementation of these dust suppression techniques can reduce the fugitive dust generation (and thus the PM<sub>10</sub> component). Compliance with these rules would reduce impacts on nearby sensitive receptors. Rule 403 measures may include but are not limited to the following:

- Apply nontoxic chemical soil stabilizers according to manufacturers' specifications to all inactive construction areas (previously graded areas inactive for 10 days or more).
- Water active sites at least three times daily. (Locations where grading is to occur will be thoroughly watered prior to earthmoving.)
- Cover all trucks hauling dirt, sand, soil, or other loose materials, or maintain at least 0.6 meters (2 feet) of freeboard (vertical space between the top of the load and top of the trailer) in accordance with the requirements of California Vehicle Code section 23114.
- Reduce traffic speeds on all unpaved roads to 15 miles per hour (mph) or less.
- Suspension of all grading activities when wind speeds (including instantaneous wind gusts) exceed 25 mph.
- Bumper strips or similar best management practices shall be provided where vehicles enter and exit the construction site onto paved roads or wash off trucks and any equipment leaving the site each trip.
- Replanting disturbed areas as soon as practical.
- During all construction activities, construction contractors shall sweep on-site and off-site streets if silt is carried to adjacent public thoroughfares, to reduce the amount of particulate matter on public streets. All sweepers shall be compliant with SCAQMD Rule 1186.1, Less Polluting Sweepers.

#### *SCAQMD Rule 445*

Prohibits permanently installed wood burning devices into any new development. A wood burning device means any fireplace, wood burning heater, or pellet-fueled wood heater, or any similarly enclosed, permanently installed, indoor or outdoor device burning any solid fuel for aesthetic or space-heating purposes, which has a heat input of less than one million British thermal units per hour.

#### *SCAQMD Rule 481*

Applies to all spray painting and spray coating operations and equipment. The rule states that a person shall not use or operate any spray painting or spray coating equipment unless one of the following conditions is met:

- (1) The spray coating equipment is operated inside a control enclosure, which is approved by the Executive Officer. Any control enclosure for which an application for permit for new construction, alteration, or change of ownership or location is submitted after the date of adoption of this rule shall be exhausted only through filters at a design face velocity not less than 100 feet per minute nor greater than 300 feet per minute, or through a water wash system designed to be equally effective for the purpose of air pollution control.
- (2) Coatings are applied with high-volume low-pressure, electrostatic and/or airless spray equipment.
- (3) An alternative method of coating application or control is used which has effectiveness equal to or greater than the equipment specified in the rule.

#### *SCAQMD Rule 1108*

Governs the sale, use, and manufacturing of asphalt and limits the volatile organic compound (VOC) content in asphalt used in the South Coast Air Basin. This rule would regulate the VOC content of asphalt used during construction. Therefore, all asphalt used during construction of the project must comply with SCAQMD Rule 1108.

#### *SCAQMD Rule 1113*

Governs the sale, use, and manufacturing of architectural coating and limits the VOC content in paints and paint solvents. This rule regulates the VOC content of paints available during construction. Therefore, all paints and solvents used during construction and operation of the project must comply with SCAQMD Rule 1113.

#### *SCAQMD Rule 1143*

Governs the manufacture, sale, and use of paint thinners and solvents used in thinning of coating materials, cleaning of coating application equipment, and other solvent cleaning operations by limiting their VOC content. This rule regulates the VOC content of solvents used during construction. Solvents used during the construction phase must comply with this rule.

#### *SCAQMD Rule 1186*

Limits the presence of fugitive dust on paved and unpaved roads and sets certification protocols and requirements for street sweepers that are under contract to provide sweeping services to any federal, state, county, agency or special district such as water, air, sanitation, transit, or school district.

#### *SCAQMD Rule 1303*

Governs the permitting of re-located or new major emission sources, requiring Best Available Control Measures and setting significance limits for PM<sub>10</sub> among other pollutants.

### *SCAQMD Rule 1401*

New Source Review of Toxic Air Contaminants, specifies limits for maximum individual cancer risk, cancer burden, and non-cancer acute and chronic hazard index from new permit units, relocations, or modifications to existing permit units, which emit toxic air contaminants.

### *SCAQMD Rule 1403*

Asbestos Emissions from Demolition/Renovation Activities, specifies work practice requirements to limit asbestos emissions from building demolition and renovation activities, including the removal and associated disturbance of asbestos-containing materials (ACM).

### *SCAQMD Rule 2202*

On-Road Motor Vehicle Mitigation Options, is to provide employers with a menu of options to reduce mobile source emissions generated from employee commutes, to comply with federal and state Clean Air Act requirements, Health & Safety Code Section 40458, and Section 182(d)(1)(B) of the federal Clean Air Act. It applies to any employer who employs 250 or more employees on a full or part-time basis at a worksite for a consecutive six-month period calculated as a monthly average.

In order to assist local agencies with direction on GHG emissions, the SCAQMD organized a working group and adopted Rules 2700, 2701, 2702, and 3002 which are described below.

### *SCAQMD Rules 2700 and 2701*

The SCAQMD adopted Rules 2700 and 2701 on December 5, 2008, which establishes the administrative structure for a voluntary program designed to quantify GHG emission reductions. Rule 2700 establishes definitions for the various terms used in Regulation XXVII – Global Climate Change. Rule 2701 provides specific protocols for private parties to follow to generate certified GHG emission reductions for projects within the district. Approved protocols include forest projects, urban tree planting, and manure management. The SCAQMD is currently developing additional protocols for other reduction measures. For a GHG emission reduction project to qualify, it must be verified and certified by the SCAQMD Executive Officer, who has 60 days to approve or deny the Plan to reduce GHG emissions. Upon approval of the Plan, the Executive Officer issues required to issue a certified receipt of the GHG emission reductions within 90 days.

### *SCAQMD Rule 2702*

The SCAQMD adopted Rule 2702 on February 6, 2009, which establishes a voluntary air quality investment program from which SCAQMD can collect funds from parties that desire certified GHG emission reductions, pool those funds, and use them to purchase or fund GHG emission reduction projects within two years, unless extended by the Governing Board. Priority will be given to projects that result in co-benefit emission reductions of GHG emissions and criteria or toxic air pollutants within environmental justice areas. Further, this voluntary program may compete with the cap-and-trade program identified for implementation in CARB's Scoping Plan, or a Federal cap and trade program.

### *SCAQMD Rule 3002*

The SCAQMD amended Rule 3002 on November 5, 2010 to include facilities that emit greater than 100,000 tons per year of CO<sub>2</sub>e are required to apply for a Title V permit by July 1, 2011. A Title V permit is for facilities that are considered major sources of emissions.

## **Air Quality Guidance Documents**

### *SCAQMD CEQA Handbook*

Although the SCAQMD is responsible for regional air quality planning efforts, it does not have the authority to directly regulate air quality issues associated with plans and new development projects throughout the South Coast Air Basin. Instead, this is controlled through local jurisdictions in accordance with the California Environmental Quality Act (CEQA). In order to assist local jurisdictions with air quality compliance issues the CEQA Air Quality Handbook (SCAQMD CEQA Handbook) prepared by the SCAQMD (1993) with the most current updates found at <http://www.aqmd.gov/ceqa/hdbk.html>, was developed in accordance with the projections and programs of the AQMP. The purpose of the SCAQMD CEQA Handbook is to assist Lead Agencies, as well as consultants, project proponents, and other interested parties in evaluating a proposed project's potential air quality impacts. Specifically, the SCAQMD CEQA Handbook explains the procedures that the SCAQMD recommends be followed for the environmental review process required by CEQA. The SCAQMD CEQA Handbook provides direction on how to evaluate potential air quality impacts, how to determine whether these impacts are significant, and how to mitigate these impacts. SCAQMD is in the process of developing an "Air Quality Analysis Guidance Handbook" to replace the CEQA Air Quality Handbook approved by the AQMD Governing Board in 1993. The 1993 CEQA Air Quality Handbook is still available but not online. In addition, there are sections of the 1993 Handbook that are obsolete. In order to assist the CEQA practitioner in conducting an air quality analysis while the new Handbook is being prepared, supplemental information regarding: significance thresholds and analysis, emissions factors, cumulative impacts emissions analysis, and other useful subjects, are available at the SCAQMD website.<sup>1</sup> The SCAQMD CEQA Handbook and supplemental information is used in this analysis.

### *Southern California Association of Governments*

The SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino and Imperial Counties and addresses regional issues relating to transportation, the economy, community development and the environment. SCAG is the Federally designated MPO for the majority of the southern California region and is the largest MPO in the nation. With respect to air quality planning, SCAG has prepared the Regional Transportation Plan and Regional Transportation Improvement Plan (RTIP), which addresses regional development and growth forecasts. These plans form the basis for the land use and transportation components of the AQMP, which are utilized in the preparation of air quality forecasts and in the consistency analysis included in the AQMP. The Regional Transportation Plan, Regional Transportation Improvement Plan, and AQMP are based on projections originating within the City and County General Plans.

On April 7, 2016, SCAG's Regional Council adopted the 2016-2040 Regional Transportation Plan/ Sustainable Communities Strategy (2016 RTP/SCS or Plan). The Plan is a long-range visioning plan that balances future mobility and housing needs with economic, environmental and public health goals. The Plan charts a course for closely integrating land use and transportation – so that the region can grow smartly and sustainably. It outlines more than \$556.5 billion in transportation system investments through 2040. The Plan was prepared through a collaborative, continuous, and comprehensive process with input from local governments, county transportation commissions, tribal governments, non-profit organizations, businesses and local stakeholders within the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino and Ventura. In June 2016, SCAG received its conformity determination from the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) indicating that all air quality conformity requirements for the 2016 RTP/SCS and associated 2015 FTIP Consistency Amendment through Amendment 15-12 have been met.

## **Local – City of Torrance**

Local jurisdictions, such as the City of Torrance, have the authority and responsibility to reduce air pollution through its police power and decision-making authority. Specifically, the City is responsible for the assessment

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<sup>1</sup> <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook>.

and mitigation of air emissions resulting from its land use decisions. The City is also responsible for the implementation of transportation control measures as outlined in the 2016 AQMP. Examples of such measures include bus turnouts, energy-efficient streetlights, and synchronized traffic signals. In accordance with CEQA requirements and the CEQA review process, the City assesses the air quality impacts of new development projects, requires mitigation of potentially significant air quality impacts by conditioning discretionary permits, and monitors and enforces implementation of such mitigation.

The City relies on the expertise of the SCAQMD and utilizes the SCAQMD CEQA Air Quality Handbook as the guidance document for the environmental review of plans and development proposals within its jurisdiction.

The Community Resources Element of the City of Torrance General Plan contains the following air quality-related objectives and policies that are applicable to the proposed project:

**Objective CR.13** To contribute to the improvement of local and regional ambient air quality to benefit the health of all.

*Policies*

- CR.13.1 Continue to participate in the efforts of the State Air Resources Board and the South Coast Air Quality Management District to meet State and federal air quality standards.
- CR.13.2 Work with neighboring cities to implement local and regional projects that improve mobility on freeways and railways, reduce emissions, and improve air quality.
- CR.13.3 Support regional air quality goals through conscientious land use and transportation planning and the implementation of resource conservation measures.
- CR.13.4 Balance the achievement of clean air with other major goals of the City.
- CR.13.5 Support air quality and energy and resource conservation by encouraging alternative modes of transportation such as walking, bicycling, transit, and carpooling.
- CR.13.6 Promote citizen awareness and participation in programs to reduce air pollution and traffic congestion.
- CR.13.7 Encourage the use of alternative fuel vehicles and re-refined oil.
- CR.13.8 Promote energy-efficient building construction and operation practices that reduce emissions and improve air quality.

**Objective CR.14** To reduce the City's overall carbon footprint and counteract the effects of global warming through a reduction in the emissions of greenhouse gases within Torrance.

- CR.14.1 Support the California Air Resources Board in its ongoing plans to implement AB32, and fully follow any new AB32-related regulations.
- CR.14.2 Develop and implement greenhouse gas emissions reduction measures, including discrete, early-action greenhouse gas reducing measures that are technologically feasible and cost-effective.
- CR.14.3 Pursue actions recommended in the U.S. Mayors Climate Protection Agreement to meet AB32 requirements.
- CR.14.4 Act as a leader and example in sustainability and reduction in greenhouse gas emissions by conducting City business in the most greenhouse gas-sensitive way.

**Table 2  
State and Federal Criteria Pollutant Standards**

Air Pollutant	Concentration / Averaging Time		Most Relevant Effects
	California Standards	Federal Primary Standards	
Ozone (O <sub>3</sub> )	0.09 ppm/1-hour 0.07 ppm/8-hour	0.070 ppm/8-hour	(a) Decline in pulmonary function and localized lung edema in humans and animals; (b) Risk to public health implied by alterations in pulmonary morphology and host defense in animals; (c) Increased mortality risk; (d) Risk to public health implied by altered connective tissue metabolism and altered pulmonary morphology in animals after long-term exposures and pulmonary function decrements in chronically exposed humans; (e) Vegetation damage; and (f) Property damage.
Carbon Monoxide (CO)	20.0 ppm/1-hour 9.0 ppm/8-hour	35.0 ppm/1-hour 9.0 ppm/8-hour	(a) Aggravation of angina pectoris and other aspects of coronary heart disease; (b) Decreased exercise tolerance in persons with peripheral vascular disease and lung disease; (c) Impairment of central nervous system functions; and (d) Possible increased risk to fetuses.
Nitrogen Dioxide (NO <sub>2</sub> )	0.18 ppm/1-hour 0.03 ppm/annual	100 ppb/1-hour 0.053 ppm/annual	(a) Potential to aggravate chronic respiratory disease and respiratory symptoms in sensitive groups; (b) Risk to public health implied by pulmonary and extra-pulmonary biochemical and cellular changes and pulmonary structural changes; and (c) Contribution to atmospheric discoloration.
Sulfur Dioxide (SO <sub>2</sub> )	0.25 ppm/1-hour 0.04 ppm/24-hour	75 ppb/1-hour 0.14 ppm/annual	(a) Bronchoconstriction accompanied by symptoms which may include wheezing, shortness of breath and chest tightness, during exercise or physical activity in persons with asthma.
Suspended Particulate Matter (PM <sub>10</sub> )	50 µg/m <sup>3</sup> /24-hour 20 µg/m <sup>3</sup> /annual	150 µg/m <sup>3</sup> /24-hour	(a) Exacerbation of symptoms in sensitive patients with respiratory or cardiovascular disease; (b) Declines in pulmonary function growth in children; (c) Increased risk of premature death from heart or lung diseases in elderly.
Suspended Particulate Matter (PM <sub>2.5</sub> )	12 µg/m <sup>3</sup> / annual	35 µg/m <sup>3</sup> /24-hour 12 µg/m <sup>3</sup> /annual	
Sulfates	25 µg/m <sup>3</sup> /24-hour	No Federal Standards	(a) Decrease in ventilatory function; (b) Aggravation of asthmatic symptoms; (c) Aggravation of cardio-pulmonary disease; (d) Vegetation damage; (e) Degradation of visibility; (f) property damage.
Lead	1.5 µg/m <sup>3</sup> /30-day	0.15 µg/m <sup>3</sup> /3-month rolling	(a) Learning disabilities; (b) Impairment of blood formation and nerve conduction.
Visibility Reducing Particles	Extinction coefficient of 0.23 per kilometer-visibility of 10 miles or more due to particles when humidity is less than 70 percent.	No Federal Standards	Visibility impairment on days when relative humidity is less than 70 percent.

Source: <http://www3.epa.gov/climatechange/ghgemissions/gases.html>



**Table 3  
South Coast Air Basin Attainment Status**

Pollutant	State Status	National Status
Ozone	Nonattainment	Nonattainment (Extreme)
Carbon monoxide	Attainment	Attainment/Unclassified
Nitrogen dioxide	Attainment	Attainment/Unclassified
Sulfur dioxide	Attainment	Attainment/Unclassified
PM10	Nonattainment	Attainment (Maintenance)
PM2.5	Nonattainment	Nonattainment (Moderate)

Source: (Federal and State Status): California Air Resources Board, October 2018.

## MONITORED AIR QUALITY

The air quality at any site is dependent on the regional air quality and local pollutant sources. Regional air quality is determined by the release of pollutants throughout the air basin. Estimates of the existing emissions in the Basin provided in the Final 2016 Air Quality Management Plan prepared by SCAQMD (March 2017) indicate that collectively, mobile sources account for 60 percent of the VOC, 90 percent of the NO<sub>x</sub> emissions, 95 percent of the CO emissions and 34 percent of directly emitted PM<sub>2.5</sub>, with another 13 percent of PM<sub>2.5</sub> from road dust.

The EPA and the ARB designate air basins where ambient air quality standards are exceeded as “nonattainment” areas. If standards are met, the area is designated as an “attainment” area. If there is inadequate or inconclusive data to make a definitive attainment designation, they are considered “unclassified”. National nonattainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards. Each standard has a different definition, or ‘form’ of what constitutes attainment, based on specific air quality statistics. For example, the Federal 8-hour CO standard is not to be exceeded more than once per year; therefore, an area is in attainment of the CO standard if no more than one 8-hour ambient air monitoring values exceeds the threshold per year. In contrast, the Federal annual PM<sub>2.5</sub> standard is met if the three-year average of the annual average PM<sub>2.5</sub> concentration is less than or equal to the standard. Attainment status is shown in Table 3.

The SCAQMD has divided the South Coast Air Basin into 38 air-monitoring areas with a designated ambient air monitoring station representative of each area. The project site is located in the Southwest Coastal LA County Air Monitoring Area (Area 3), which is located in Los Angeles County and covers from the area from the Pacific Ocean on the west, the Interstate 110 Freeway on the east, Slauson Avenue on the north, and San Pedro on the south. The nearest air monitoring station to the project site is the Long Beach – 2425 Webster Street Monitoring Station (Long Beach Station). The Long Beach Station is located approximately 7.11 miles southeast of the project site at 2425 Webster Street, Long Beach. As not all monitoring stations monitor all pollutants, data was also taken from the next nearest monitoring station, Compton – 700 North Bullis Road Monitoring Station (Compton Station). The Compton Station is located approximately 7.27 miles northeast of the project site at 700 North Bullis Road, Compton. Table 4 presents the monitored pollutant levels from the Long Beach and Compton Stations. However, it should be noted that due to the air monitoring stations distances from the project site, recorded air pollution levels at the air monitoring stations reflect with varying degrees of accuracy, local air quality conditions at the project site.

Table 4 summarizes 2016 through 2018 published monitoring data, which is the most recent 3-year period available. The data shows that during the past few years, the project area has exceeded the particulate matter (PM<sub>2.5</sub> and PM<sub>10</sub>) standards.

### Ozone

During the 2016 to 2018 monitoring period, the State 1-hour concentration standard for ozone was not exceeded at the Long Beach Station. The State 8-hour ozone standard was not over the past three years at the Long Beach Station. The Federal 8-hour ozone standard was not exceeded over the past three years at the Long Beach Station.

Ozone is a secondary pollutant as it is not directly emitted. Ozone is the result of chemical reactions between other pollutants, most importantly hydrocarbons and NO<sub>2</sub>, which occur only in the presence of bright sunlight. Pollutants emitted from upwind cities react during transport downwind to produce the oxidant concentrations experienced in the area. Many areas of the SCAQMD contribute to the ozone levels experienced at the monitoring station, with the more significant areas being those directly upwind.

### Carbon Monoxide

CO is another important pollutant that is due mainly to motor vehicles. The Long Beach Station did not record an exceedance of the state or federal 8-hour CO standard for the last three years.

### Nitrogen Dioxide

The Long Beach Station did not record an exceedance of the State or Federal NO<sub>2</sub> standards for the last three years.

### Particulate Matter

The State 24-hour concentration standards for PM<sub>10</sub> were exceeded between four and 10 days each year over the last three years at the Long Beach Station. Over the past three years, the Federal 24-hour standards for PM<sub>10</sub> were not exceeded at the Long Beach Station.

The Federal 24 hour standard for PM<sub>2.5</sub> were exceeded between one and five days each year over the past three years at the Compton Station.

According to the EPA, some people are much more sensitive than others to breathing fine particles (PM<sub>10</sub> and PM<sub>2.5</sub>). People with influenza, chronic respiratory and cardiovascular diseases, and the elderly may suffer worsening illness and premature death due to breathing these fine particles. People with bronchitis can expect aggravated symptoms from breathing in fine particles. Children may experience decline in lung function due to breathing in PM<sub>10</sub> and PM<sub>2.5</sub>. Other groups considered sensitive are smokers and people who cannot breathe well through their noses. Exercising athletes are also considered sensitive, because many breathe through their mouths during exercise.

**Table 4  
Air Quality Monitoring Summary**

Pollutant (Standard) <sup>1</sup>		Year		
		2016	2017	2018
Ozone:	Maximum 1-Hour Concentration (ppm)	0.079	0.082	0.074
	Days > CAAQS (0.09 ppm)	0	0	0
	Maximum 8-Hour Concentration (ppm)	0.059	0.069	0.064
	Days > NAAQS (0.070 ppm)	0	0	0
	Days > CAAQS (0.070 ppm)	0	0	0
Carbon Monoxide:	Maximum 8-Hour Concentration (ppm)	*	*	*
	Days > CAAQS (9 ppm)	0	0	0
	Days > NAAQS (9 ppm)	0	0	0
Nitrogen Dioxide:	Maximum 1-Hour Concentration (ppm)	0.076	0.090	0.085
	Days > CAAQS (0.18 ppm)	0	0	0
Inhalable Particulates (PM10):	Maximum 24-Hour Concentration (µg/m <sup>3</sup> )	75.3	79.0	84.0
	Days > NAAQS (150 µg/m <sup>3</sup> )	0	0	0
	Days > CAAQS (50 µg/m <sup>3</sup> )	<b>8</b>	<b>10</b>	<b>4</b>
	Annual Average (µg/m <sup>3</sup> )	31.9	33.5	32.7
Ultra-Fine Particulates (PM2.5); <sup>2</sup>	Maximum 24-Hour Concentration (µg/m <sup>3</sup> )	36.3	66.7	49.4
	Days > NAAQS (35 µg/m <sup>3</sup> )	<b>1</b>	<b>5</b>	<b>2</b>
	Annual Average (µg/m <sup>3</sup> )	11	13.2	13.2

Notes:

Source: <http://www.arb.ca.gov/adam/topfour/topfour1.php>. Data from the Long Beach -2425 Webster Street Monitoring Station, unless otherwise noted.

(1) CAAQS = California Ambient Air Quality Standard; NAAQS = National Ambient Air Quality Standard; ppm = parts per million

\* Means there was insufficient data available to determine value.

## AIR QUALITY STANDARDS

### Significance Thresholds

#### *Appendix G of the State CEQA Guidelines*

Appendix G of the State CEQA Guidelines states that, where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make a significance determination. Pursuant to Appendix G, the project would result in a significant impact related to air quality if it would:

- Conflict with or obstruct the implementation of the applicable air quality plan;
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard;
- Expose sensitive receptors to substantial pollutant concentrations; or
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

The CEQA Guidelines Section 15064.7 provides the significance criteria established by the applicable air quality management district or air pollution control district, when available, may be relied upon to make determinations of significance. The potential air quality impacts of the project are, therefore, evaluated according to thresholds developed by SCAQMD in their CEQA Air Quality Handbook, Air Quality Analysis Guidance Handbook, and subsequent guidance, which are listed below.<sup>2</sup> Therefore, the project would result in a potentially significant impact to air quality if it would:

AIR-1: Conflict with or obstruct the implementation of the applicable air quality plan;

AIR-2: Violate any air quality standard or contribute substantially to an existing or projected air quality violation as a result of:

- Criteria pollutant emissions during construction (direct and indirect) in excess of the SCAQMD's regional significance thresholds,
- Criteria pollutant emissions during operation (direct and indirect) in excess of the SCAQMD's regional significance thresholds.

AIR-3: Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors);

AIR-4: Expose sensitive receptors to substantial pollutant concentrations that would:

- Exceed SCAQMD's localized significance thresholds,
- Cause or contribute to the formation of CO hotspots.

AIR-5: Create objectionable odors affecting a substantial number of people.

The SCAQMD is in the process of developing an Air Quality Analysis Guidance Handbook to replace the CEQA Air Quality Handbook. In the interim, supplemental guidance has been adopted by the SCAQMD. The

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<sup>2</sup> While the SCAQMD CEQA Air Quality Handbook contains significance thresholds for lead, Project construction and operation would not include sources of lead emissions and would not exceed the established thresholds for lead. Unleaded fuel and unleaded paints have virtually eliminated lead emissions from industrial land use projects such as the Project. As a result, lead emissions are not further evaluated herein.

potential air quality impacts of the project are, therefore, evaluated according to numeric indicators developed by the SCAQMD in the CEQA Air Quality Handbook and supplemental guidance from the SCAQMD.<sup>3</sup>

### **Regional Air Quality**

Many air quality impacts that derive from dispersed mobile sources, which are the dominate pollution generators in the basin, often occurs hours later and miles away after photochemical processes have converted primary exhaust pollutants into secondary contaminants such as ozone. The incremental regional air quality impact of an individual project is generally very small and difficult to measure. Therefore, the SCAQMD has developed significance thresholds based on the volume of pollution emitted rather than on actual ambient air quality because the direct air quality impact of a project is not quantifiable on a regional scale. The SCAQMD CEQA Handbook states that any project in the South Coast Air Basin with daily emissions that exceed any of the identified significance thresholds should be considered as having an individually and cumulatively significant air quality impact. For the purposes to this air quality impact analysis, a regional air quality impact would be considered significant if emissions exceed the SCAQMD significance thresholds identified in Table 5.

### **Local Air Quality**

Project-related construction air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the South Coast Air Basin. In order to assess local air quality impacts the SCAQMD has developed Localized Significant Thresholds (LSTs) to assess the project-related air emissions in the project vicinity. The SCAQMD has also provided Final Localized Significant Threshold Methodology (LST Methodology), June 2003, which details the methodology to analyze local air emission impacts. The Localized Significant Threshold Methodology found that the primary emissions of concern are NO<sub>2</sub>, CO, PM10, and PM2.5.

The significance thresholds for the local emissions of NO<sub>2</sub> and CO are determined by subtracting the highest background concentration from the last three years of these pollutants from Table 4 above, from the most restrictive ambient air quality standards for these pollutants that are outlined in the Localized Significant Thresholds. Table 5 shows the ambient air quality standards for NO<sub>2</sub>, CO, and PM10 and PM2.5.

### **Toxic Air Contaminants**

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).

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<sup>3</sup> While the SCAQMD CEQA Air Quality Handbook contains significance thresholds for lead, Project construction and operation would not include sources of lead emissions and would not exceed the established thresholds for lead. Unleaded fuel and unleaded paints have virtually eliminated lead emissions from residential land use projects such as the Project. As a result, lead emissions are not further evaluated herein.

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. In regard to 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 project and will be a source of toxic air contaminants; therefore, an HRA was conducted (please see Section 4 of this report).

### **Odor Impacts**

The SCAQMD CEQA Handbook states that an odor impact would occur if the proposed project creates an odor nuisance pursuant to SCAQMD Rule 402, which states:

A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

The provisions of this rule shall not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

If the proposed project results in a violation of Rule 402 with regards to odor impacts, then the proposed project would create a significant odor impact.

**Table 5  
SCAQMD Air Quality Significance Thresholds**

Mass Daily Thresholds		
Pollutant	Construction (lbs/day)	Operation (lbs/day)
NOx	100	55
VOC	75	55
PM10	150	150
PM2.5	55	55
SOx	150	150
CO	550	550
Lead	3	3
Toxic Air Contaminants, Odor and GHG Thresholds		
TACs	Maximum Incremental Cancer Risk $\geq$ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas $\geq$ 1 in 1 million) Chronic & Acute Hazard Index > 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
GHG	10,000 MT/yr CO <sub>2</sub> e for industrial projects	
Ambient Air Quality Standards		
Pollutant	SCAQMD Standards	
NO <sub>2</sub> -1-hour average	0.18 ppm (338 $\mu\text{g}/\text{m}^3$ )	
PM10 -24-hour average		
Construction	10.4 $\mu\text{g}/\text{m}^3$	
Operations	2.5 $\mu\text{g}/\text{m}^3$	
PM2.5 -24-hour average		
Construction	10.4 $\mu\text{g}/\text{m}^3$	
Operations	2.5 $\mu\text{g}/\text{m}^3$	
SO <sub>2</sub>		
1-hour average	0.25 ppm	
24-hour average	0.04 ppm	
CO		
1-hour average	20 ppm (23,000 $\mu\text{g}/\text{m}^3$ )	
8-hour average	9 ppm (10,000 $\mu\text{g}/\text{m}^3$ )	
Lead		
30-day average	1.5 $\mu\text{g}/\text{m}^3$	
Rolling 3-month average	0.15 $\mu\text{g}/\text{m}^3$	
Quarterly average	1.5 $\mu\text{g}/\text{m}^3$	

Source: <http://www.aqmd.gov/ceqa/handbook/signthres.pdf>



## SHORT-TERM CONSTRUCTION EMISSIONS

Construction activities associated with the proposed project would have the potential to generate air emissions, toxic air contaminant emissions, and odor impacts. Assumptions for the phasing, duration, and required equipment for the construction of the proposed project were obtained from the project applicant. The construction activities for the proposed project are anticipated to include: demolition of an approximately 162,504 square foot existing building; site preparation of approximately 9.3 acres to remove existing asphalt parking areas; grading of approximately 13.29 acres; construction of 86,780 square feet of warehouse, 198,400 square feet of manufacturing, 20,370 square feet of office use, and detention basins and landscaping of approximately 0.9 acres; paving of canopy parking lot with 636 parking spaces; and application of architectural coatings. See Appendix B for more details.

The proposed project is anticipated to start demolition no sooner than mid-June 2020, with building construction starting no sooner than May 2021 and being completed by May 2022. The project is anticipated to be operational in 2022. The grading phase is to include approximately 19,930 cubic yards of import.

### **Methodology**

The following provides a discussion of the methodology used to calculate regional construction air emissions and an analysis of the proposed project's short-term construction emissions for the criteria pollutants. The construction-related regional air quality impacts have been analyzed for both criteria pollutants and GHGs.

Emissions are estimated using the CalEEMod (Version 2016.3.2) software, which is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and GHG emissions from a variety of land use projects. CalEEMod was developed in collaboration with the air districts of California. Regional data (e.g., emission factors, trip lengths, meteorology, source inventory, etc.) have been provided by the various California air districts to account for local requirements and conditions. The model is considered to be an accurate and comprehensive tool for quantifying air quality and GHG impacts from land use projects throughout California and is recommended by the SCAQMD.<sup>4</sup>

Daily regional emissions during construction are forecasted by assuming a conservative estimate of construction activities (i.e., assuming all construction occurs at the earliest feasible date) and applying the mobile source and fugitive dust emissions factors. The input values used in this analysis were adjusted to be project-specific for the construction schedule and the equipment used was based on CalEEMod defaults. The CalEEMod program uses the EMFAC2014 computer program to calculate the emission rates specific for the southern portion of Los Angeles County for construction-related employee vehicle trips and the OFFROAD2011 computer program to calculate emission rates for heavy truck operations. EMFAC2014 and OFFROAD2011 are computer programs generated by CARB that calculates composite emission rates for vehicles. Emission rates are reported by the program in grams per trip and grams per mile or grams per running hour. Daily truck trips and CalEEMod default trip length data were used to assess roadway emissions from truck exhaust. The maximum daily emissions are estimated values for the worst-case day and do not represent the emissions that would occur for every day of project construction. The maximum daily emissions are compared to the SCAQMD daily regional numeric indicators. Detailed construction equipment lists, construction scheduling, and emission calculations are provided in Appendix B.

The project will be required to comply with existing SCAQMD rules for the reduction of fugitive dust emissions. SCAQMD Rule 403 establishes these procedures. Compliance with this rule is achieved through application of standard best management practices in construction and operation activities, such as application of water or chemical stabilizers to disturbed soils, managing haul road dust by application of water, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 mph, sweeping loose dirt from paved site access roadways, cessation of construction activity when winds exceed 25 mph and establishing a permanent,

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<sup>4</sup> South Coast Air Quality Management District, California Emissions Estimator Model, <http://www.aqmd.gov/caleemod/>.

stabilizing ground cover on finished sites. In addition, projects that disturb 50 acres or more of soil or move 5,000 cubic yards of materials per day are required to submit a Fugitive Dust Control Plan or a Large Operation Notification Form to SCAQMD. Based on the size of the Project area (approximately 13.29 acres) a Fugitive Dust Control Plan or Large Operation Notification would not be required.

SCAQMD's Rule 403 minimum requirements require that the application of the best available dust control measures are used for all grading operations and include the application of water or other soil stabilizers in sufficient quantity to prevent the generation of visible dust plumes. Compliance with Rule 403 would require the use of water trucks during all phases where earth moving operations would occur. Compliance with Rule 403 has been included in the CalEEMod modeling for the proposed project.

Per SCAQMD Rule 1113 as amended on June 3, 2011, the architectural coatings that would be applied after January 1, 2014 will be limited to an average of 50 grams per liter or less. CalEEMod defaults have been adjusted accordingly.

The phases of the construction activities which have been analyzed below for each phase are: (1) demolition, (2) site preparation, (3) grading, (4) building construction, (5) paving, and (6) application of architectural coatings. Details pertaining to the project's construction timing and the type of equipment modeled for each construction phase are available in the CalEEMod output in Appendix B.

### **Construction-Related Regional Impacts**

The construction-related criteria pollutant emissions for each phase are shown below in Table 6. Table 6 shows that none of the project's emissions will exceed regional thresholds. Therefore, a less than significant regional air quality impact would occur from construction of the proposed project.

### **Construction-Related Local Impacts**

Construction-related air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the South Coast Air Basin. The proposed project has been analyzed for the potential local air quality impacts created from: construction-related fugitive dust and diesel emissions; from toxic air contaminants; and from construction-related odor impacts.

#### *Local Air Quality Impacts from Construction*

The SCAQMD has published a "Fact Sheet for Applying CalEEMod to Localized Significance Thresholds" (South Coast Air Quality Management District 2011b). CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily disturbance activity possible for each piece of equipment. In order to compare CalEEMod reported emissions against the localized significance threshold lookup tables, the CEQA document should contain the following parameters:

- (1) The off-road equipment list (including type of equipment, horsepower, and hours of operation) assumed for the day of construction activity with maximum emissions.
- (2) The maximum number of acres disturbed on the peak day.
- (3) Any emission control devices added onto off-road equipment.
- (4) Specific dust suppression techniques used on the day of construction activity with maximum emissions.

The CalEEMod output in Appendix B show the equipment used for this analysis.

As shown in Table 7, the maximum number of acres disturbed in a day would be 4 acres during grading. The local air quality emissions from construction were analyzed using the SCAQMD's Mass Rate Localized Significant Threshold Look-up Tables and the methodology described in Localized Significance Threshold

Methodology prepared by SCAQMD (revised July 2008). The Look-up Tables were developed by the SCAQMD in order to readily determine if the daily emissions of CO, NOx, PM10, and PM2.5 from the proposed project could result in a significant impact to the local air quality. The emission thresholds were calculated based on the Southwest Coastal LA County source receptor area (SRA) 3 and, to be conservative, a disturbance value of two acres per day. According to LST Methodology, any receptor located closer than 25 meters (82 feet) shall be based on the 25-meter thresholds. The nearest sensitive receptors to the project site are the existing single-family detached residential dwelling units located as close as approximately 200 feet west (~61 meters) of the project site; therefore, to be conservative, the SCAQMD Look-up Tables for 50meters was used. Table 8 shows the on-site emissions from the CalEEMod model for the different construction phases and the LST emissions thresholds.

The data provided in Table 8 shows that none of the analyzed criteria pollutants would exceed the local emissions thresholds at the nearest sensitive receptors. Therefore, a less than significant local air quality impact would occur from construction of the proposed project.

### **Construction-Related Toxic Air Contaminant Impacts**

The greatest potential for toxic air contaminant emissions would be related to diesel particulate emissions associated with heavy equipment operations during construction of the proposed project. According to the Office of Environmental Health Hazard Assessment (OEHHA)<sup>5</sup> and the SCAQMD *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis* (August 2003),<sup>6</sup> health effects from TACs are described in terms of individual cancer risk based on a lifetime (i.e., 30-year) resident exposure duration. Given the temporary and short-term construction schedule (approximately 13 months), the project would not result in a long-term (i.e., lifetime or 30-year) exposure as a result of project construction. Furthermore, construction-based particulate matter (PM) emissions (including diesel exhaust emissions) do not exceed any local or regional thresholds.

The project would comply with the CARB Air Toxics Control Measure that limits diesel powered equipment and vehicle idling to no more than 5 minutes at a location, and the CARB In-Use Off-Road Diesel Vehicle Regulation; compliance with these would minimize emissions of TACs during construction. The project would also comply with the requirements of SCAQMD Rule 1403 if asbestos is found during the renovation and construction activities. Therefore, impacts from TACs during construction would be less than significant.

### **Construction-Related Odor Impacts**

Potential sources that may emit odors during construction activities include the application of materials such as asphalt pavement. The objectionable odors that may be produced during the construction process are of short-term in nature and the odor emissions are expected to cease upon the drying or hardening of the odor producing materials. Due to the short-term nature and limited amounts of odor producing materials being utilized, no significant impact related to odors would occur during construction of the proposed project. Diesel exhaust and VOCs would be emitted during construction of the project, which are objectionable to some; however, emissions would disperse rapidly from the project site and therefore should not reach an objectionable level at the nearest sensitive receptors.

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<sup>5</sup> Office of Environmental Health Hazard Assessment, Air Toxic Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessment, February 2015, <https://oehha.ca.gov/media/downloads/crn/2015guidancemanual.pdf>.

<sup>6</sup> South Coast Air Quality Management District, Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis, August 2003, <http://www.aqmd.gov/docs/default-source/ceqa/handbook/mobile-source-toxics-analysis.doc?sfvrsn=2>.

**Table 6  
Construction-Related Regional Pollutant Emissions**

Activity		Pollutant Emissions (pounds/day)					
		ROG	NOx	CO	SO <sub>2</sub>	PM10	PM2.5
Demolition	On-Site <sup>1</sup>	3.31	33.20	21.75	0.04	4.78	2.01
	Off-Site <sup>2</sup>	0.41	10.82	3.10	0.03	0.85	0.26
	Subtotal	3.72	44.02	24.86	0.07	5.63	2.27
Site Preparation	On-Site <sup>1</sup>	2.65	27.63	14.86	0.03	6.48	3.91
	Off-Site <sup>2</sup>	0.06	0.04	0.52	0.00	0.15	0.04
	Subtotal	2.72	27.67	15.38	0.03	6.63	3.95
Grading	On-Site <sup>1</sup>	4.19	46.40	30.88	0.06	5.40	3.23
	Off-Site <sup>2</sup>	0.80	22.61	6.27	0.07	1.75	0.53
	Subtotal	5.00	69.01	37.15	0.13	7.14	3.76
Building Construction	On-Site <sup>1</sup>	2.55	23.44	23.41	0.04	1.31	1.24
	Off-Site <sup>2</sup>	1.50	10.31	12.56	0.05	3.46	0.96
	Subtotal	4.06	33.75	35.96	0.09	4.77	2.20
Paving	On-Site <sup>1</sup>	1.85	11.12	14.58	0.02	0.57	0.55
	Off-Site <sup>2</sup>	0.07	0.04	0.56	0.00	0.17	0.05
	Subtotal	1.92	11.17	15.14	0.02	0.74	0.60
Architectural Coating <sup>3</sup>	On-Site <sup>1</sup>	50.13	1.41	1.81	0.00	0.08	0.08
	Off-Site <sup>2</sup>	0.22	0.15	1.86	0.01	0.56	0.15
	Subtotal	50.36	1.56	3.67	0.01	0.65	0.23
Total for overlapping phases <sup>4</sup>		56.33	46.47	54.77	0.12	6.15	3.03
SCAQMD Thresholds		75	100	550	150	150	55
<b>Exceeds Thresholds?</b>		<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Notes:

Source: CalEEMod Version 2016.3.2

- (1) On-site emissions from equipment operated on-site that is not operated on public roads. On-site grading PM-10 and PM-2.5 emissions show mitigated values for fugitive dust for compliance with SCAQMD Rule 403.
- (2) Off-site emissions from equipment operated on public roads.
- (3) Architectural coating emissions include compliance with SCAQMD Rule 1113 limiting architectural coatings to 50 g/L VOC for buildings and 100 g/L VOC for parking lot striping.
- (4) Construction, painting and paving phases may overlap.

**Table 7  
Maximum Number of Acres Disturbed Per Day**

Activity	Equipment	Number	Acres/8hr-day	Total Acres
Demolition	Rubber Tired Dozers	2	0.5	1
<b>Total for phase</b>	-	-	-	<b>1</b>
Site Preparation	Rubber Tired Dozers	2	0.5	1
	Crawler Tractors <sup>1</sup>	3	0.5	1.5
<b>Total for phase</b>		-	-	<b>2.5</b>
Grading	Rubber Tired Dozers	1	0.5	0.5
	Graders	1	0.5	0.5
	Scrapers	2	1	2
	Crawler Tractors <sup>1</sup>	2	0.5	1
<b>Total for phase</b>		-	-	<b>4</b>

Notes:

Source: South Coast AQMD, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds, 2011b.

(1) Tractor/loader/backhoe is a suitable surrogate for a crawler tractor per SCAQMD staff.

**Table 8  
Local Construction Emissions at the Nearest Receptors**

Activity <sup>1</sup>	On-Site Pollutant Emissions (pounds/day) <sup>2</sup>			
	NOx	CO	PM10	PM2.5
Demolition	33.20	21.75	4.78	2.01
Site Preparation	27.63	14.86	6.48	3.91
Grading	46.40	30.88	5.40	3.23
Building Construction	23.44	23.41	1.31	1.24
Paving	11.12	14.58	0.57	0.55
Architectural Coating	1.41	1.81	0.08	0.08
SCAQMD Thresholds <sup>3</sup>	128	1,158	23	7
<b>Exceeds Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Notes:

- (1) The project will disturb up to a maximum of 4 acres a day during grading (see Table 7).
- (2) Source: Calculated from CalEEMod and SCAQMD's Mass Rate Look-up Tables for 2 acre, to be conservative, at a distance of 50 meters in SRA 3 Southwest Coastal LA County.
- (3) The nearest sensitive receptors are the existing single-family detached residential dwelling units located as close as approximately 215 feet (~66 meters) west of the project site; therefore, to be conservative, the 50 meter threshold was used.

## LONG-TERM OPERATIONAL EMISSIONS

The on-going operation of the proposed project would result in a long-term increase in air quality emissions. This increase would be due to emissions from the project-generated vehicle trips and through operational emissions from the on-going use of the proposed project. The following section provides an analysis of potential long-term air quality impacts due to: regional air quality and local air quality impacts with the on-going operations of the proposed project.

### **Operations-Related Regional Air Quality Impacts**

The potential operations-related air emissions have been analyzed below for the criteria pollutants and cumulative impacts.

#### *Operations-Related Criteria Pollutants Analysis*

The operations-related criteria air quality impacts created by the proposed project have been analyzed through the use of the CalEEMod model. The operating emissions were based on the year 2022, which is the anticipated opening year per the 2555 W. 190<sup>th</sup> Street Warehouse/Manufacturing Project Traffic Impact Analysis (TIA) prepared by Linscott Law & Greenspan Engineers (July 29, 2019) for the proposed project. The operations daily emissions printouts from the CalEEMod model are provided in Appendix B. The CalEEMod analyzes operational emissions from area sources, energy usage, and mobile sources, which are discussed below.

#### *Mobile Sources*

Mobile sources include emissions from the additional vehicle miles generated from the proposed project. The vehicle trips associated with the proposed project have been analyzed by inputting the project-generated vehicular trips (trip generation rate) from the TIA into the CalEEMod Model. The TIA found that the proposed project will generate approximately 1,129 vehicle trips per day (non-PCE) and 1,417 vehicle trips per day (PCE). Trip generation rates included 3.93 trips per thousand square foot per day for the manufacturing use, 1.74 trips per thousand square foot per day for the warehouse use, and 9.74 trips per thousand square foot per day for the office use. As the TIA did not provide weekend trip rates, the Saturday trip generation rate of 2.21 trips per thousand square foot and Sunday trip generation rate of 0.7 trips per thousand square foot for the office use and the Saturday trip generation rate of 0.15 trips per thousand square foot and Sunday trip generation rate of 0.06 trips per thousand square foot for the warehouse was utilized from the Institute of Transportation Engineers (ITE) 10<sup>th</sup> edition Trip Generation Manual (September 2017). The program then applies the emission factors for each trip which is provided by the EMFAC2014 model to determine the vehicular traffic pollutant emissions.

The Traffic Impact Analysis found that the proposed warehouse use would create 120 automobile round trips, 5 2-axle truck round trips, 7 3-axle truck round trips, and 19 4+-axle truck round trips per day (non-PCE). In addition, the proposed manufacturing use would create 621 automobile round trips, 28 2-axle truck round trips, 36 3-axle truck round trips, and 95 4+-axle truck round trips per day (non-PCE). The warehouse and manufacturing use vehicle mix were changed in CalEEMod to match the Traffic Impact Analysis (see Tables 9 and 10) and the percentages in CalEEMod for the warehouse and manufacturing uses were changed to 79.57% autos (C-NW) and 20.43% trucks (C-W) to match the overall vehicle percentages given in the Traffic Impact Analysis. Due to the proposed project's location and proposed warehouse and manufacturing land use, the average customer-based trip length was increased to 40 miles per SCAQMD recommendation, while all other trip lengths were based on the urban default values.

#### *Area Sources*

Per the CAPCOA Appendix A Calculation Details for CalEEMod, area sources include emissions from consumer products, landscape equipment and architectural coatings. Landscape maintenance includes fuel

combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers, as well as air compressors, generators, and pumps. As specifics were not known about the landscaping equipment fleet, CalEEMod defaults were used to estimate emissions from landscaping equipment. No changes were made to the default area source parameters.

#### *Energy Usage*

Energy usage includes emissions from the generation of electricity and natural gas used on-site. No changes were made to the default energy usage parameters.

#### *Project Impacts*

The worst-case summer or winter criteria pollutant emissions created from the proposed project's long-term operations have been calculated and are shown below in Table 11. Table 11 shows that none of the analyzed criteria pollutants would exceed the regional emissions thresholds. Therefore, a less than significant regional air quality impact would occur from operation of the proposed project.

### **Operations-Related Local Air Quality Impacts**

Project-related air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the South Coast Air Basin. The proposed project has been analyzed for the potential local CO emission impacts from the project-generated vehicular trips and from the potential local air quality impacts from on-site operations. The following analysis analyzes the vehicular CO emissions, local impacts from on-site operations per SCAQMD LST methodology, and odor impacts.

#### *Local CO Emission Impacts from Project-Generated Vehicular Trips*

CO is the pollutant of major concern along roadways because the most notable source of CO is motor vehicles. For this reason, CO concentrations are usually indicative of the local air quality generated by a roadway network and are used as an indicator of potential local air quality impacts. Local air quality impacts can be assessed by comparing future without and with project CO levels to the State and Federal CO standards which were presented above.

To determine if the proposed project could cause emission levels in excess of the CO standards discussed above, a sensitivity analysis is typically conducted to determine the potential for CO "hot spots" at a number of intersections in the general project vicinity. Because of reduced speeds and vehicle queuing, "hot spots" potentially can occur at high traffic volume intersections with a Level of Service E or worse.

The analysis prepared for CO attainment in the South Coast Air Basin by the SCAQMD can be used to assist in evaluating the potential for CO exceedances in the South Coast Air Basin. CO attainment was thoroughly analyzed as part of the SCAQMD's 2003 Air Quality Management Plan (2003 AQMP) and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan). As discussed in the 1992 CO Plan, peak carbon monoxide concentrations in the South Coast Air Basin are due to unusual meteorological and topographical conditions, and not due to the impact of particular intersections. Considering the region's unique meteorological conditions and the increasingly stringent CO emissions standards, CO modeling was performed as part of 1992 CO Plan and subsequent plan updates and air quality management plans. In the 1992 CO Plan, a CO hot spot analysis was conducted for four busy intersections in Los Angeles at the peak morning and afternoon time periods. The intersections evaluated included: South Long Beach Boulevard and Imperial Highway (Lynwood); Wilshire Boulevard and Veteran Avenue (Westwood); Sunset Boulevard and Highland Avenue (Hollywood); and La Cienega Boulevard and Century Boulevard (Inglewood). These analyses did not predict a violation of CO standards. The busiest intersection evaluated was that at Wilshire Boulevard and Veteran Avenue, which has a daily traffic volume of approximately 100,000 vehicles per day. The Los Angeles County Metropolitan Transportation Authority evaluated the Level of Service in the vicinity of the Wilshire



Boulevard/Veteran Avenue intersection and found it to be Level of Service E during the morning peak hour and Level of Service F during the afternoon peak hour.

The TIA showed that the proposed project would generate a maximum of approximately 1,129 vehicle trips per day (non-PCE) and 1,417 vehicle trips per day (PCE). The intersection with the highest traffic volume is located at Crenshaw Boulevard and Crenshaw Place and has an Existing with Ambient Growth (Year 2022) with Project with Cumulative Projects AM peak hour volume of 2,383 vehicles. The 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan) showed that an intersection which has a daily traffic volume of approximately 100,000 vehicles per day would not violate the CO standard. Therefore, as both the intersection and ADT volumes fall far short of 100,000 vehicles per day, no CO “hot spot” modeling was performed and no significant long-term air quality impact is anticipated to local air quality with the on-going use of the proposed project.

#### *Local Air Quality Impacts from On-Site Operations*

Project-related air emissions from on-site sources such as architectural coatings, landscaping equipment, on-site usage of natural gas appliances as well as the operation of vehicles on-site may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the South Coast Air Basin. The nearest sensitive receptors that may be impacted by the proposed project are the existing single-family detached residential dwelling units located approximately 215 feet west of the project site.

The local air quality emissions from on-site operations were analyzed according to the methodology described in Localized Significance Threshold Methodology, prepared by SCAQMD, revised July 2008. The Look-up Tables were developed by the SCAQMD in order to readily determine if the daily emissions of CO, NO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> from the proposed project could result in a significant impact to the local air quality. Per SCAQMD staff, the 5-acre Look-up Table, which is the largest site available, can be used as a conservative screening analysis for on-site operational emissions to determine whether more-detailed dispersion modeling would be necessary. The proposed project was analyzed based on the Southwest Coastal LA County source receptor area (SRA) 3 and used the thresholds for a five-acre project site.

Table 12 shows the on-site emissions from the CalEEMod model that includes natural gas usage, landscape maintenance equipment, and vehicles operating on-site and the calculated emissions thresholds. Per LST methodology, mobile emissions include only on-site sources which equate to less than 10 percent of the project-related new mobile sources.<sup>7</sup> The data provided in Table 12 shows that the on-going unmitigated operations of the proposed project would not exceed SCAQMD local operational thresholds of significance.

Therefore, the on-going operations of the proposed project would create a less than significant operations-related impact to local air quality due to on-site emissions.

#### **Operations-Related Odor Impacts**

Potential sources that may emit odors during the on-going operations of the proposed project would include odor emissions from the intermittent diesel delivery truck emissions and trash storage areas. Due to the distance of the nearest receptors from the project site and through compliance with SCAQMD’s Rule 402 no significant impact related to odors would occur during the on-going operations of the proposed project.

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<sup>7</sup> The project site is approximately 0.22 miles in length at its longest point; therefore the on-site mobile source emissions represent approximately 1/31 of the shortest CalEEMod default distance of 6.9 miles. Therefore, to be conservative, 1/10th the distance (dividing the mobile source emissions by 10) was used to represent the portion of the overall mobile source emissions that would occur on-site.

**Table 9**  
**CalEEMod Revised Vehicle Mix Parameters for Warehousing**

CalEEMod Vehicle Type	Vehicle Mix from Traffic Analysis	CalEEMod Default Mix <sup>1</sup>		CalEEMod Revised Mix <sup>2</sup>	
		Ratio	Number of Vehicles <sup>3</sup>	Ratio	Number of Vehicles <sup>3</sup>
Light Auto	Automobile	0.547	83	0.472	71
Light Truck < 3750 lbs	Automobile	0.045	7	0.039	6
Light Truck 3751-5750 lbs	Automobile	0.204	31	0.176	27
Med Truck 5751-8500 lbs	Automobile	0.120	18	0.104	16
Lite-Heavy Truck 8501-10,000 lbs	2-Axle Truck	0.016	2	0.025	4
Lite-Heavy Truck 10,001-14,000 lbs	2-Axle Truck	0.006	1	0.010	1
Med-Heavy Truck 14,001-33,000 lbs	3-Axle Truck	0.020	3	0.046	7
Heavy-Heavy Truck 33,001-60,000 lbs	4+-Axle Truck	0.031	5	0.123	19
Other Bus	--	0.003	0	0.000	0
Urban Bus	--	0.002	0	0.000	0
Motorcycle	Automobile	0.005	1	0.004	1
School Bus	--	0.001	0	0.000	0
Motor Home	--	0.001	0	0.000	0
<b>Total</b>		<b>1.0</b>	<b>151</b>	<b>1.0</b>	<b>151</b>

Notes:

- (1) Source: CalEEMod Version 2016.3.2 default values for Opening year of 2022.
- (2) Revised per the vehicle mix provided in the Traffic Impact Analysis of 79.57% Autos, 3.46% 2-Axle Trucks, 4.64% 3-Axle Trucks and 12.33% 4+ Axle Trucks for the warehouse use.
- (3) Non-PCE (Passenger Car Equivalent)

**Table 10**  
**CalEEMod Revised Vehicle Mix Parameters for Manufacturing**

CalEEMod Vehicle Type	Vehicle Mix from Traffic Analysis	CalEEMod Default Mix <sup>1</sup>		CalEEMod Revised Mix <sup>2</sup>	
		Ratio	Number of Vehicles <sup>3</sup>	Ratio	Number of Vehicles <sup>3</sup>
Light Auto	Automobile	0.547	426	0.472	368
Light Truck < 3750 lbs	Automobile	0.045	35	0.039	30
Light Truck 3751-5750 lbs	Automobile	0.204	159	0.176	137
Med Truck 5751-8500 lbs	Automobile	0.120	94	0.104	81
Lite-Heavy Truck 8501-10,000 lbs	2-Axle Truck	0.016	12	0.025	19
Lite-Heavy Truck 10,001-14,000 lbs	2-Axle Truck	0.006	5	0.010	8
Med-Heavy Truck 14,001-33,000 lbs	3-Axle Truck	0.020	16	0.046	36
Heavy-Heavy Truck 33,001-60,000 lbs	4+-Axle Truck	0.031	24	0.123	96
Other Bus	--	0.003	2	0.000	0
Urban Bus	--	0.002	2	0.000	0
Motorcycle	Automobile	0.005	4	0.004	3
School Bus	--	0.001	1	0.000	0
Motor Home	--	0.001	1	0.000	0
<b>Total</b>		<b>1.0</b>	<b>780</b>	<b>1.0</b>	<b>780</b>

Notes:

- (1) Source: CalEEMod Version 2016.3.2 default values for Opening year of 2022.
- (2) Revised per the vehicle mix provided in the Traffic Impact Analysis of 79.57% Autos, 3.46% 2-Axle Trucks, 4.64% 3-Axle Trucks and 12.33% 4+ Axle Trucks for the manufacturing use.
- (3) Non-PCE

**Table 11  
Regional Operational Pollutant Emissions**

Activity	Pollutant Emissions (pounds/day)					
	ROG	NOx	CO	SO2	PM10	PM2.5
Area Sources <sup>1</sup>	6.96	0.00	0.10	0.00	0.00	0.00
Energy Usage <sup>2</sup>	0.14	1.26	1.05	0.01	0.10	0.10
Mobile Sources <sup>3</sup>	2.58	28.67	34.66	0.17	10.83	3.00
<b>Total Emissions</b>	<b>9.68</b>	<b>29.93</b>	<b>35.81</b>	<b>0.18</b>	<b>10.92</b>	<b>3.09</b>
SCAQMD Thresholds	55	55	550	150	150	55
<b>Exceeds Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Notes:

Source: CalEEMod Version 2016.3.2; the higher of either summer or winter emissions.

- (1) Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.
- (2) Energy usage consists of emissions from generation of electricity and on-site natural gas usage.
- (3) Mobile sources consist of emissions from vehicles and road dust.

**Table 12**  
**Local Operational Emissions at the Nearest Receptors**

On-Site Emission Source	On-Site Pollutant Emissions (pounds/day) <sup>1</sup>			
	NOx	CO	PM10	PM2.5
Area Sources <sup>2</sup>	0.00	0.10	0.00	0.00
Energy Usage <sup>3</sup>	1.26	1.05	0.10	0.10
Vehicle Emissions <sup>4</sup>	2.87	3.47	1.08	0.30
Total Emissions	4.12	4.62	1.18	0.40
SCAQMD Thresholds <sup>5</sup>	189	1,984	12	3
<b>Exceeds Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Notes:

- (1) Source: Calculated from CalEEMod and SCAQMD's Mass Rate Look-up Tables for 5 acres.
- (2) Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.
- (3) Energy usage consists of emissions from on-site natural gas usage.
- (4) On-site vehicular emissions based on 1/10 of the gross vehicular emissions and road dust.
- (5) The nearest sensitive receptors are the existing single-family detached residential dwelling units located as close as approximately 215 feet (~66 meters) west of the project site; therefore, to be conservative, the 50 meter threshold was used.

## CUMULATIVE AIR QUALITY IMPACTS

There are a number of cumulative projects in the project area that have not yet been built or are currently under construction. Since the timing or sequencing of the cumulative projects is unknown, any quantitative analysis to ascertain daily construction emissions that assumes multiple, concurrent construction projects would be speculative. Further, cumulative projects include local development as well as general growth within the project area. However, as with most development, the greatest source of emissions is from mobile sources, which travel well out of the local area. Therefore, from an air quality standpoint, the cumulative analysis would extend beyond any local projects and when wind patterns are considered would cover an even larger area. The SCAQMD recommends using two different methodologies: (1) that project-specific air quality impacts be used to determine the potential cumulative impacts to regional air quality;<sup>8</sup> and (2) that a project's consistency with the current AQMP be used to determine its potential cumulative impacts.

### **Project Specific Impacts**

The project area is out of attainment for ozone and in 2018 was out of attainment for PM10. Construction and operation of cumulative projects will further degrade the local air quality, as well as the air quality of the South Coast Air Basin. The greatest cumulative impact on the quality of regional air cell will be the incremental addition of pollutants mainly from increased traffic volumes from residential, commercial, and industrial development and the use of heavy equipment and trucks associated with the construction of these projects. Air quality will be temporarily degraded during construction activities that occur separately or simultaneously. However, in accordance with the SCAQMD methodology, projects that do not exceed the SCAQMD criteria or can be mitigated to less than criteria levels are not significant and do not add to the overall cumulative impact. A significant impact may occur if a project would add a cumulatively considerable contribution of a federal or state non-attainment pollutant.

Project operations would generate emissions of NOx, ROG, CO, PM10, and PM2.5, which, with incorporation of sustainable design and compliance with regulation, would not exceed the SCAQMD regional or local thresholds and would not be expected to result in ground level concentrations that exceed the NAAQS or CAAQS. Since the project would not introduce any substantial stationary sources of emissions, CO is the benchmark pollutant for assessing local area air quality impacts from post-construction motor vehicle operations. As indicated earlier, no violations of the state and federal CO standards are projected to occur for the project, based on the magnitude of traffic the project is anticipated to create. Therefore, with incorporation of sustainable design and compliance with regulation, operation of the project would not result in a cumulatively considerable net increase for non-attainment of criteria pollutants or ozone precursors. As a result, the project would result in a less than significant cumulative impact for operational emissions.

### **Air Quality Compliance**

The California Environmental Quality Act (CEQA) requires a discussion of any inconsistencies between a proposed project and applicable General Plans and Regional Plans (CEQA Guidelines Section 15125). The regional plan that applies to the proposed project includes the SCAQMD Air Quality Management Plan (AQMP). Therefore, this section discusses any potential inconsistencies of the proposed project with the AQMP.

The purpose of this discussion is to set forth the issues regarding consistency with the assumptions and objectives of the AQMP and discuss whether the proposed project would interfere with the region's ability to comply with Federal and State air quality standards. If the decision-makers determine that the proposed project is inconsistent, the lead agency may consider project modifications or inclusion of mitigation to eliminate the inconsistency.

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<sup>8</sup> South Coast Air Quality Management District, Potential Control Strategies to Address Cumulative Impacts from Air Pollution White Paper, 1993, <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook>.

The SCAQMD CEQA Handbook states that "New or amended General Plan Elements (including land use zoning and density amendments), Specific Plans, and significant projects must be analyzed for consistency with the AQMP". Strict consistency with all aspects of the plan is usually not required. A proposed project should be considered to be consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The SCAQMD CEQA Handbook identifies two key indicators of consistency:

- (1) Whether the project will result in an increase in the frequency or severity of existing air quality violations, or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.
- (2) Whether the project will exceed the assumptions in the AQMP in 2016 or increments based on the year of project buildout and phase.

Both of these criteria are evaluated in the following sections.

#### *Criteria 1 – Increase in the Frequency or Severity of Violations*

Based on the air quality modeling analysis contained in this Air Analysis, short-term construction impacts will not result in significant impacts based on the SCAQMD regional and local thresholds of significance. This Air Analysis also found that, long-term operations impacts will not result in significant impacts based on the SCAQMD local and regional thresholds of significance.

Therefore, the proposed project is not projected to contribute to the exceedance of any air pollutant concentration standards and is found to be consistent with the AQMP for the first criterion.

#### *Criteria 2 – Exceed Assumptions in the AQMP?*

Consistency with the AQMP assumptions is determined by performing an analysis of the proposed project with the assumptions in the AQMP. The emphasis of this criterion is to ensure that the analyses conducted for the proposed project are based on the same forecasts as the AQMP. The 2016-2040 Regional Transportation/Sustainable Communities Strategy prepared by SCAG (2016) includes chapters on: the challenges in a changing region, creating a plan for our future, and the road to greater mobility and sustainable growth. These chapters currently respond directly to federal and state requirements placed on SCAG. Local governments are required to use these as the basis of their plans for purposes of consistency with applicable regional plans under CEQA. For this project, the City of Torrance Land Use Plan defines the assumptions that are represented in the AQMP.

The Project Site has a City of Torrance General Plan land use designation of Heavy Industrial (I-HVY). The project proposes to develop the site with a warehouse/cross dock industrial warehouse. The proposed project is consistent with the existing land use designation. Therefore, the proposed project is not anticipated to exceed the AQMP assumptions for the project site and is found to be consistent with the AQMP for the second criterion.

Based on the above, with incorporation of sustainable design and compliance with regulation, the proposed project will not result in an inconsistency with the SCAQMD AQMP. Therefore, a less than significant impact will occur.

### 3. DIESEL EMISSIONS HEALTH RISK ASSESSMENT

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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.<sup>9</sup>

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

##### **Emission 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 from 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 TIA.

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*

The TIA showed the project is expected to generate approximately 931 (non-passenger car equivalents [PCE]) vehicle trips per day from the warehouse and manufacturing uses. Of those vehicle trips, 741 are automobile

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<sup>9</sup> 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.



round trips, 32 are 2-axle truck round trips, 43 are 3-axle truck round trips, and 115 are 4+-axle truck round trips per day (non-passenger car equivalents).

Per the TIA, the vehicle mix for the warehouse/manufacturing portion of the proposed project was based on surveys conducted at existing similar facilities, with a mix of 3.46 percent 2-axle trucks, 4.64 percent 3-axle trucks and 12.33 percent 4-axle 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 third trimester exposure used opening year (2022) emissions factors, 2-year factors (for infant exposure) reflect years 2023 and 2024, 14-year average factors (for child exposure during years 2-16) reflect emissions during the first 14 years of operation (2025 to 2039), and the second 14 years of exposure (years 2040-2053) were also 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 proposed buildings, and while idling at the proposed buildings. 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. Delivery vehicles were assumed to idle for a maximum of 15 minutes per vehicle per day (5 minutes per location: at the facility entrance, at the loading bay, and at the facility exit, 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 13. It should be noted that the DPM emissions on both the gram per mile and gram per idle hour bases decline beyond 2022 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 14 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 14:

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

Figure 3 provides the location of the project buildings, emission source locations, and the locations of the nearest sensitive receptors (the pre-school facility and the single-family detached residential dwelling units located along the western side of Crenshaw Boulevard, and north of 190<sup>th</sup> St, east of Van Ness Avenue). The pre-school receptor is shown as an orange triangle labeled Preschool\_1, the closest residential receptors are shown as orange triangles labeled 2 through 8. The direction of on and off-site truck travel was estimated based on the TIA, site plan, and/or traffic engineer.

## **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 closest (representative) sensitive receptors 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 discrete 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 14. The basic options used in the dispersion modeling are summarized in Table 15.

As indicated in Table 15 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 (loading docks) location, building location and height were taken from the project site plan.

### **Meteorological Data**

Meteorological data from the Air District's Hawthorne monitoring site was selected for this modeling application. Five full years of sequential meteorological data was collected at the site from January 1, 2012 to December 31, 2016 by the SCAQMD. The SCAQMD processed the data for input to the model. The data was obtained at SCAQMD's <http://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:

$$[\text{Dose-air (mg)/(Kg-day)}] * \text{Cancer Potency} * [1 \times 10^{-6}] = \text{Potential Cancer Risk}$$

Where:

Cancer Potency Factor = 1.1

$$\text{Dose-inh} = (\text{C-air} * \text{DBR} * \text{A} * \text{EF} * \text{ED} * \text{ASF} * \text{FAH} * 10^{-6}) / \text{AT}$$

Where:

Cair [Concentration in air ( $\mu\text{g}/\text{m}^3$ )] = (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 "M" Table 9.1 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 C. Figure 5 illustrates the cancer risk to the most affected age-group, children (2-16-years).

Table 16 shows the cancer risk for the unborn child during the 3rd trimester, Table 17 shows the cancer risk to infants (0-2 years), Table 18 shows the cancer risk to children ages 2 to 16 years and Table 19 shows the cancer risk as that child becomes an adult (years 16-30). Table 18 shows that the highest child cancer risk is at receptor 3; with a maximum risk of 0.69 in one million. The highest infant cancer risk is also at receptor 3; with a maximum risk of 0.66 in one million. Therefore, no children or infants are exposed to cancer risks in excess of 10 in a million, from project-related DPM emissions, at any receptor location in the project vicinity.

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 1.47 in a million, as shown in Table 20.

Therefore, 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. As the residential cancer risk does

not exceed 10 in a million, it is anticipated that any offsite worker risk (where the potential for exposure is only 8 hours instead of 24 hours per day) would also not exceed 10 in a million.

### **Non-Cancer Risks**

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

$$\text{HIDPM} = \text{CDPM}/\text{RELDPM}$$

Where,

HIDPM = Hazard Index; an expression of the potential for non-cancer health effects.

CDPM = Annual average diesel particulate matter concentration in  $\mu\text{g}/\text{m}^3$ .

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 residential adult, 3rd trimester, child and infant receptors are also detailed in Tables 16 through 19 column (j). The RELDPM is  $5 \mu\text{g}/\text{m}^3$ . The Office of Environmental Health Hazard Assessment as protective for the respiratory system has established this concentration. Using the maximum DPM concentration for the opening year (2022), the resulting Hazard Index is:

$$\text{HIDPM} = 0.0086/5 = 0.00172$$

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

**Table 13**  
**DPM Emissions Factors for the Proposed Project**

Vehicle Class	14-Year Average (First 14 years of Operation - 2025-2039)		
	Idling (g/hr)	On-Site Travel (g/mi)	Off-Site Travel (g/mi)
Light Heavy Duty Truck 2	0.79363	0.03705	0.01629
Medium Heavy Duty Truck	0.01672	0.00493	0.00386
Heavy Heavy Duty Truck	0.01098	0.01036	0.00848

Vehicle Class	14-Year Average (Second 14 years of Operation - 2040-2053)		
	Idling (g/hr)	On-Site Travel (g/mi)	Off-Site Travel (g/mi)
Light Heavy Duty Truck 2	0.79427	0.02916	0.01434
Medium Heavy Duty Truck	0.00774	0.00435	0.00368
Heavy Heavy Duty Truck	0.01015	0.00958	0.00810

Vehicle Class	2-Year Average (2023-2024)		
	Idling (g/hr)	On-Site Travel (g/mi)	Off-Site Travel (g/mi)
Light Heavy Duty Truck 2	0.78826	0.04861	0.01906
Medium Heavy Duty Truck	0.04116	0.00577	0.00394
Heavy Heavy Duty Truck	0.01244	0.01139	0.00884

Vehicle Class	1-Year Average (Opening Year-2022)		
	Idling (g/hr)	On-Site Travel (g/mi)	Off-Site Travel (g/mi)
Light Heavy Duty Truck 2	0.78700	0.05169	0.01977
Medium Heavy Duty Truck	0.14701	0.06229	0.03426
Heavy Heavy Duty Truck	0.01503	0.03710	0.01772

Notes:

Source: EMFAC2017.

**Table 14  
Summary of Emission Configurations**

Emission Source Type	Geometric Configuration	Relevant Assumptions
Off-Site Diesel Truck Traffic	Line Sources	Stack release height: 12 feet
		Vehicle speed: 35 mph
		Length of the line sources (along Crenshaw Blvd, Crenshaw Pl, and along 190th St)
		Vehicle types: heavy-heavy-duty, medium-heavy-duty and light-heavy-duty diesel delivery trucks
		Emission factor: CARB EMFAC2017
On-Site Diesel Truck Traffic	Line Sources	Stack release height: 12 feet
		Vehicle speed: 10 mph
		Length of the line source (distance from the facility entrances to the loading docks)
		Vehicle types: heavy-heavy-duty, medium-heavy-duty and light-heavy-duty diesel delivery trucks
		Emission factor: CARB EMFAC2017
On-Site Diesel Truck Idling	Point Sources located at the loading docks	Stack release height: 12 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: heavy-heavy-duty, medium-heavy-duty and light-heavy-duty diesel delivery trucks
		Emission factor: CARB EMFAC2017

**Table 15**  
**General Modeling Assumptions - AERMOD Model**

Feature	Option Selected
Terrain processing	AERMAP
Emission source configuration	See Table 15
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 SCAQMD methodology)
Meteorological data	SCAQMD Hawthorne Meteorological Data

**Table 16**  
**Carcinogenic Risks and Non-Carcinogenic 3rd Trimester Exposure Scenario (0.25-Years)**

Receptor ID (a)	Maximum Concentration		Weight Fraction (d)	Contaminant (e)	Carcinogenic Hazards		Noncarcinogenic Hazards		
	(ug/m3) (b)	(mg/m3) (c)			CPF (mg/kg/day) (f)	RISK (per million) (g)	REL (ug/m3) (h)	RfD (mg/kg/day) (i)	Index (j)
	Preschool_1	0.00213			2.1E-06	1.00E+00	DPM	1.1E+00	0.03
2	0.003	3.0E-06	1.00E+00	DPM	1.1E+00	0.04	5.0E+00	1.4E-03	0.0006
3	0.00313	3.1E-06	1.00E+00	DPM	1.1E+00	0.04	5.0E+00	1.4E-03	0.0006
4	0.00288	2.9E-06	1.00E+00	DPM	1.1E+00	0.04	5.0E+00	1.4E-03	0.0006
5	0.0024	2.4E-06	1.00E+00	DPM	1.1E+00	0.03	5.0E+00	1.4E-03	0.0005
6	0.00204	2.0E-06	1.00E+00	DPM	1.1E+00	0.03	5.0E+00	1.4E-03	0.0004
7	0.00205	2.1E-06	1.00E+00	DPM	1.1E+00	0.03	5.0E+00	1.4E-03	0.0004
8	0.00197	2.0E-06	1.00E+00	DPM	1.1E+00	0.03	5.0E+00	1.4E-03	0.0004

Notes:

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 <sub>(cancer)</sub> (days)	25550
Averaging Time <sub>(non-cancer)</sub> (days)	91.25

E= 10<sup>X</sup>, i.e. E-02 = 10<sup>-2</sup>



**Table 17**  
**Carcinogenic Risks and Non-Carcinogenic Infant Exposure Scenario (2-Year)**

Receptor ID (a)	Maximum Concentration		Weight Fraction (d)	Contaminant (e)	Carcinogenic Hazards		Noncarcinogenic Hazards		
	(ug/m3) (b)	(mg/m3) (c)			CPF (mg/kg/day) (f)	RISK (per million) (g)	REL (ug/m3) (h)	RfD (mg/kg/day) (i)	Index (j)
Preschool_1	0.00139	1.4E-06	1.00E+00	DPM	1.1E+00	0.46	5.0E+00	1.4E-03	0.0003
2	0.00198	2.0E-06	1.00E+00	DPM	1.1E+00	0.65	5.0E+00	1.4E-03	0.0004
3	0.00202	2.0E-06	1.00E+00	DPM	1.1E+00	0.66	5.0E+00	1.4E-03	0.0004
4	0.00182	1.8E-06	1.00E+00	DPM	1.1E+00	0.60	5.0E+00	1.4E-03	0.0004
5	0.00146	1.5E-06	1.00E+00	DPM	1.1E+00	0.48	5.0E+00	1.4E-03	0.0003
6	0.00117	1.2E-06	1.00E+00	DPM	1.1E+00	0.38	5.0E+00	1.4E-03	0.0002
7	0.00106	1.1E-06	1.00E+00	DPM	1.1E+00	0.35	5.0E+00	1.4E-03	0.0002
8	0.00096	9.6E-07	1.00E+00	DPM	1.1E+00	0.32	5.0E+00	1.4E-03	0.0002

Notes:

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 <sub>(cancer)</sub> (days)	25550
Averaging Time <sub>(non-cancer)</sub> (days)	730

E= 10<sup>X</sup>, i.e. E-02 = 10<sup>-2</sup>

**Table 18**  
**Carcinogenic Risks and Non-Carcinogenic Child Exposure Scenario (14-Year)**

Receptor ID (a)	Maximum Concentration		Weight Fraction (d)	Contaminant (e)	Carcinogenic Hazards		Noncarcinogenic Hazards		
	(ug/m3) (b)	(mg/m3) (c)			CPF (mg/kg/day) (f)	RISK (per million) (g)	REL (ug/m3) (h)	RfD (mg/kg/day) (i)	Index (j)
	Preschool_1	0.00132			1.3E-06	1.00E+00	DPM	1.1E+00	0.48
2	0.00188	1.9E-06	1.00E+00	DPM	1.1E+00	0.68	5.0E+00	1.4E-03	0.0004
3	0.00191	1.9E-06	1.00E+00	DPM	1.1E+00	0.69	5.0E+00	1.4E-03	0.0004
4	0.00172	1.7E-06	1.00E+00	DPM	1.1E+00	0.62	5.0E+00	1.4E-03	0.0003
5	0.00138	1.4E-06	1.00E+00	DPM	1.1E+00	0.50	5.0E+00	1.4E-03	0.0003
6	0.00111	1.1E-06	1.00E+00	DPM	1.1E+00	0.40	5.0E+00	1.4E-03	0.0002
7	0.001	1.0E-06	1.00E+00	DPM	1.1E+00	0.36	5.0E+00	1.4E-03	0.0002
8	0.0009	9.0E-07	1.00E+00	DPM	1.1E+00	0.33	5.0E+00	1.4E-03	0.0002

Notes:

Exposure factors used to calculate TAC intake:

Exposure Frequency (days/year)	350
Exposure Duration (years)	14
Daily Breathing Rate	572.00
Age Sensitivity Factor	3
Fraction of Time At Home (FAH)	1
Averaging Time <sub>(cancer)</sub> (days)	25550
Averaging Time <sub>(non-cancer)</sub> (days)	5110

E= 10<sup>X</sup>, i.e. E-02 = 10<sup>-2</sup>

**Table 19  
Carcinogenic Risks and Non-Carcinogenic Hazards Adult Exposure Scenario (14 Year)**

Receptor ID (a)	Maximum Concentration		Weight Fraction (d)	Contaminant (e)	Carcinogenic Hazards		Noncarcinogenic Hazards		
	(ug/m3) (b)	(mg/m3) (c)			CPF (mg/kg/day) (f)	RISK (per million) (g)	REL (ug/m3) (h)	RfD (mg/kg/day) (i)	Index (j)
	Preschool_1	0.00128			6.9E-04	1.00E+00	DPM	1.1E+00	0.05
2	0.00182	8.3E-04	1.00E+00	DPM	1.1E+00	0.07	5.0E+00	1.4E-03	0.0004
3	0.00185	1.9E-03	1.00E+00	DPM	1.1E+00	0.07	5.0E+00	1.4E-03	0.0004
4	0.00166	1.4E-03	1.00E+00	DPM	1.1E+00	0.07	5.0E+00	1.4E-03	0.0003
5	0.00132	1.4E-03	1.00E+00	DPM	1.1E+00	0.05	5.0E+00	1.4E-03	0.0003
6	0.00106	1.0E-03	1.00E+00	DPM	1.1E+00	0.04	5.0E+00	1.4E-03	0.0002
7	0.00095	9.5E-07	1.00E+00	DPM	1.1E+00	0.04	5.0E+00	1.4E-03	0.0002
8	0.00084	8.4E-07	1.00E+00	DPM	1.1E+00	0.03	5.0E+00	1.4E-03	0.0002

Notes:

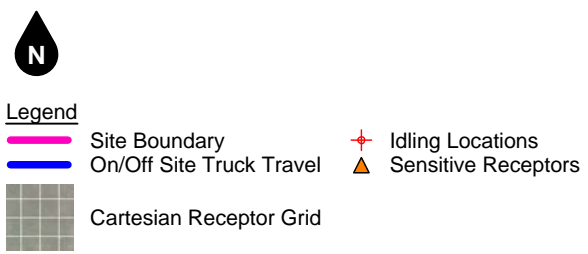
Exposure factors used to calculate TAC intake:

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 <sub>(cancer)</sub> (days)	25550
Averaging Time <sub>(non-cancer)</sub> (days)	5110

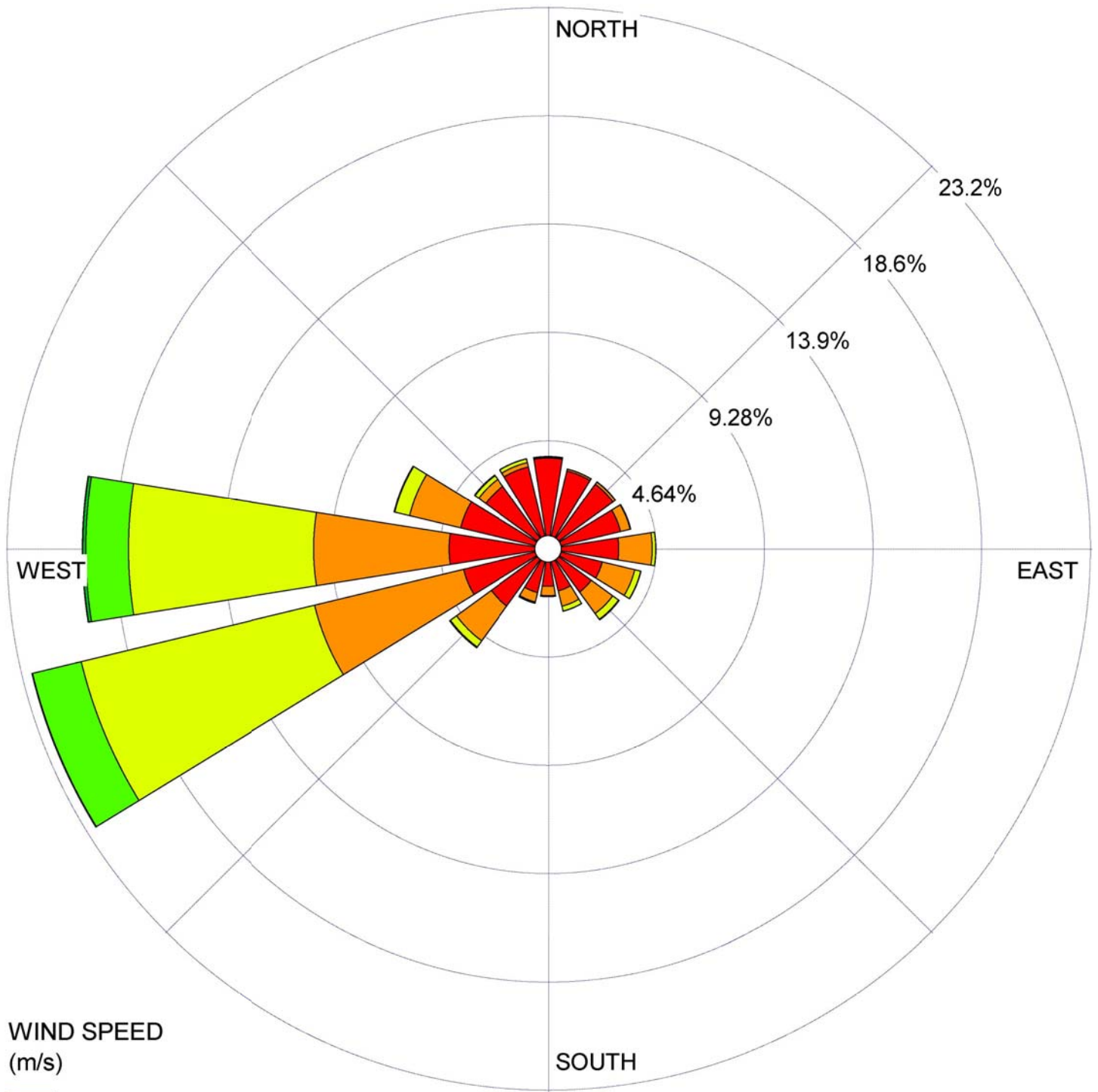
E= 10<sup>X</sup>, i.e. E-02 = 10<sup>-2</sup>

**Table 20**  
**Cumulative Carcinogenic Risk**  
**30.25 Year Exposure Scenario**

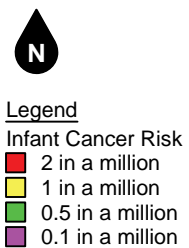
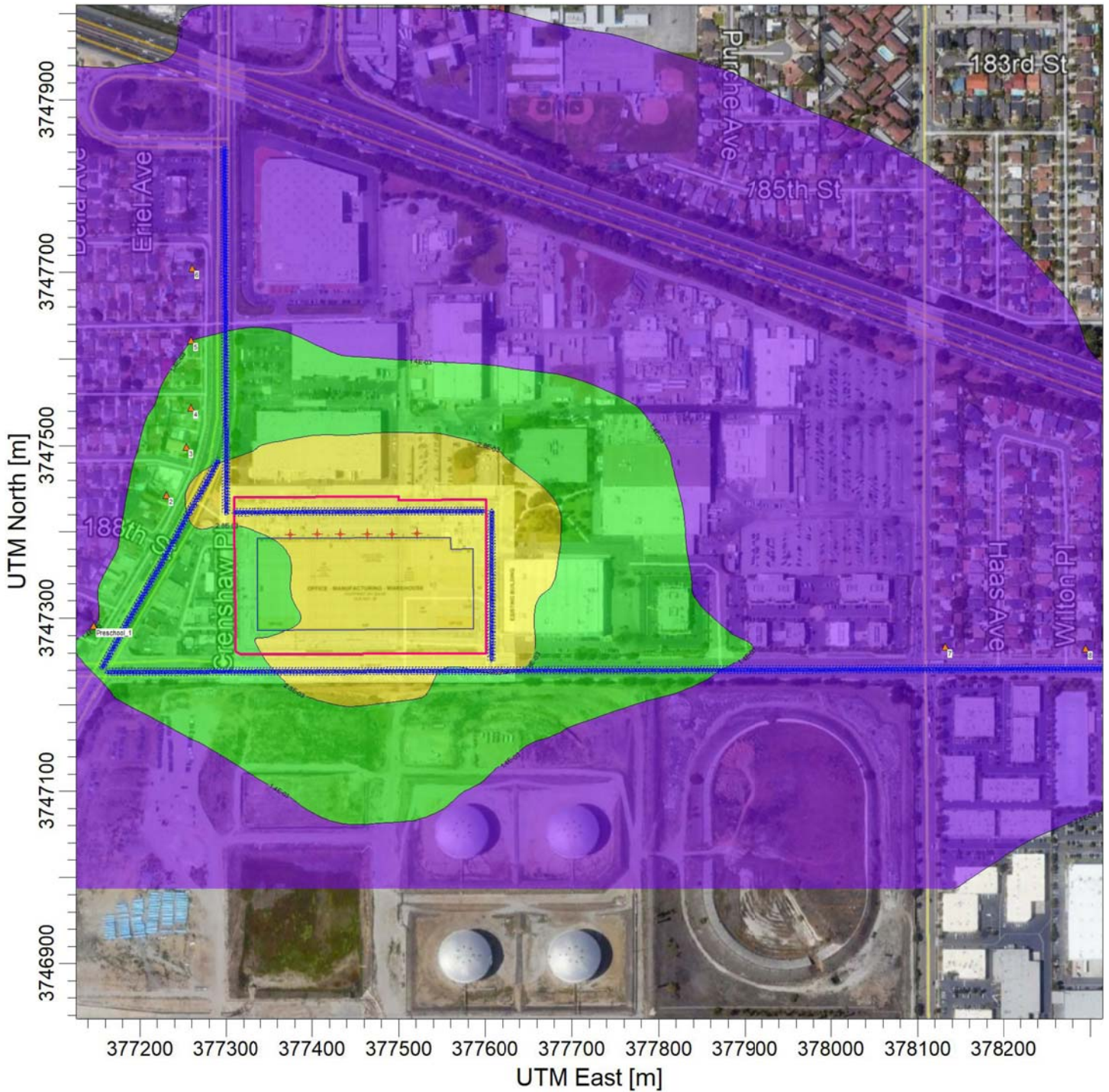
Receptor ID	Cumulative RISK (per million)
Preschool_1	1.01
2	1.44
3	1.47
4	1.33
5	1.06
6	0.86
7	0.78
8	0.70



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



**Figure 4**  
**Wind Rose: Hawthorne**



**Figure 5**  
**Modeled Study Area Highest Annual DPM Emissions**

## 4. GLOBAL CLIMATE CHANGE ANALYSIS

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### EXISTING GREENHOUSE GAS ENVIRONMENT

Constituent gases of the Earth's atmosphere, called atmospheric greenhouse gases (GHG), play a critical role in the Earth's radiation amount by trapping infrared radiation emitted from the Earth's surface, which otherwise would have escaped to space. Prominent greenhouse gases contributing to this process include carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), ozone, water vapor, nitrous oxide (N<sub>2</sub>O), and chlorofluorocarbons (CFCs). This phenomenon, known as the Greenhouse Effect, is responsible for maintaining a habitable climate. Anthropogenic (caused or produced by humans) emissions of these greenhouse gases in excess of natural ambient concentrations are responsible for the enhancement of the Greenhouse Effect and have led to a trend of unnatural warming of the Earth's natural climate, known as global warming or climate change. Emissions of gases that induce global warming are attributable to human activities associated with industrial/manufacturing, agriculture, utilities, transportation, and residential land uses. Transportation is responsible for 41 percent of the State's greenhouse gas emissions, followed by electricity generation. Emissions of CO<sub>2</sub> and nitrous oxide (NO<sub>x</sub>) are byproducts of fossil fuel combustion. Methane, a potent greenhouse gas, results from off-gassing associated with agricultural practices and landfills. Sinks of CO<sub>2</sub>, where CO<sub>2</sub> is stored outside of the atmosphere, include uptake by vegetation and dissolution into the ocean. The following provides a description of each of the greenhouse gases and their global warming potential.

#### Water Vapor

Water vapor is the most abundant, important, and variable GHG in the atmosphere. Water vapor is not considered a pollutant; in the atmosphere it maintains a climate necessary for life. Changes in its concentration are primarily considered a result of climate feedbacks related to the warming of the atmosphere rather than a direct result of industrialization. The feedback loop in which water is involved is critically important to projecting future climate change. As the temperature of the atmosphere rises, more water is evaporated from ground storage (rivers, oceans, reservoirs, soil). Because the air is warmer, the relative humidity can be higher (in essence, the air is able to "hold" more water when it is warmer), leading to more water vapor in the atmosphere. As a GHG, the higher concentration of water vapor is then able to absorb more thermal indirect energy radiated from the Earth, thus further warming the atmosphere. The warmer atmosphere can then hold more water vapor and so on and so on. This is referred to as a "positive feedback loop". The extent to which this positive feedback loop will continue is unknown as there is also dynamics that put the positive feedback loop in check. As an example, when water vapor increases in the atmosphere, more of it will eventually also condense into clouds, which are more able to reflect incoming solar radiation (thus allowing less energy to reach the Earth's surface and heat it up).

#### Carbon Dioxide (CO<sub>2</sub>)

The natural production and absorption of CO<sub>2</sub> is achieved through the terrestrial biosphere and the ocean. However, humankind has altered the natural carbon cycle by burning coal, oil, natural gas, and wood. Since the industrial revolution began in the mid-1700s. Each of these activities has increased in scale and distribution. CO<sub>2</sub> was the first GHG demonstrated to be increasing in atmospheric concentration with the first conclusive measurements being made in the last half of the 20th century. Prior to the industrial revolution, concentrations were fairly stable at 280 parts per million (ppm). The International Panel on Climate Change (IPCC Fifth Assessment Report, 2014) Emissions of CO<sub>2</sub> from fossil fuel combustion and industrial processes contributed about 78% of the total GHG emissions increase from 1970 to 2010, with a similar percentage contribution for the increase during the period 2000 to 2010. Globally, economic and population growth continued to be the most important drivers of increases in CO<sub>2</sub> emissions from fossil fuel combustion. The contribution of population growth between 2000 and 2010 remained roughly identical to the previous three decades, while the contribution of economic growth has risen sharply.



### Methane (CH<sub>4</sub>)

CH<sub>4</sub> is an extremely effective absorber of radiation, although its atmospheric concentration is less than that of CO<sub>2</sub>. Its lifetime in the atmosphere is brief (10 to 12 years), compared to some other GHGs (such as CO<sub>2</sub>, N<sub>2</sub>O, and Chlorofluorocarbons (CFCs)). CH<sub>4</sub> has both natural and anthropogenic sources. It is released as part of the biological processes in low oxygen environments, such as in swamplands or in rice production (at the roots of the plants). Over the last 50 years, human activities such as growing rice, raising cattle, using natural gas, and mining coal have added to the atmospheric concentration of methane. Other anthropocentric sources include fossil-fuel combustion and biomass burning.

### Nitrous Oxide (N<sub>2</sub>O)

Concentrations of N<sub>2</sub>O also began to rise at the beginning of the industrial revolution. In 1998, the global concentration of this GHG was documented at 314 parts per billion (ppb). N<sub>2</sub>O is produced by microbial processes in soil and water, including those reactions which occur in fertilizer containing nitrogen. In addition to agricultural sources, some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to its atmospheric load. It is also commonly used as an aerosol spray propellant, (i.e., in whipped cream bottles, in potato chip bags to keep chips fresh, and in rocket engines and in race cars).

### Chlorofluorocarbons (CFC)

CFCs are gases formed synthetically by replacing all hydrogen atoms in methane or ethane (C<sub>2</sub>H<sub>6</sub>) with chlorine and/or fluorine atoms. CFCs are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the Earth's surface). CFCs have no natural source, but were first synthesized in 1928. It was used for refrigerants, aerosol propellants, and cleaning solvents. Due to the discovery that they are able to destroy stratospheric ozone, a global effort to halt their production was undertaken and in 1989 the European Community agreed to ban CFCs by 2000 and subsequent treaties banned CFCs worldwide by 2010. This effort was extremely successful, and the levels of the major CFCs are now remaining level or declining. However, their long atmospheric lifetimes mean that some of the CFCs will remain in the atmosphere for over 100 years.

### Hydrofluorocarbons (HFC)

HFCs are synthetic man-made chemicals that are used as a substitute for CFCs. Out of all the GHGs, they are one of three groups with the highest global warming potential. The HFCs with the largest measured atmospheric abundances are (in order), HFC-23 (CHF<sub>3</sub>), HFC-134a (CF<sub>3</sub>CH<sub>2</sub>F), and HFC-152a (CH<sub>3</sub>CHF<sub>2</sub>). Prior to 1990, the only significant emissions were HFC-23. HFC-134a use is increasing due to its use as a refrigerant. Concentrations of HFC-23 and HFC-134a in the atmosphere are now about 10 parts per trillion (ppt) each. Concentrations of HFC-152a are about 1 ppt. HFCs are manmade for applications such as automobile air conditioners and refrigerants.

### Perfluorocarbons (PFC)

PFCs have stable molecular structures and do not break down through the chemical processes in the lower atmosphere. High-energy ultraviolet rays about 60 kilometers above Earth's surface are able to destroy the compounds. Because of this, PFCs have very long lifetimes, between 10,000 and 50,000 years. Two common PFCs are tetrafluoromethane (CF<sub>4</sub>) and hexafluoroethane (C<sub>2</sub>F<sub>6</sub>). Concentrations of CF<sub>4</sub> in the atmosphere are over 70 ppt. The two main sources of PFCs are primary aluminum production and semiconductor manufacturing.

### Sulfur Hexafluoride (SF<sub>6</sub>)

SF<sub>6</sub> is an inorganic, odorless, colorless, nontoxic, nonflammable gas. SF<sub>6</sub> has the highest global warming potential of any gas evaluated; 23,900 times that of CO<sub>2</sub>. Concentrations in the 1990s were about 4 ppt. Sulfur hexafluoride is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.

### Aerosols

Aerosols are particles emitted into the air through burning biomass (plant material) and fossil fuels. Aerosols can warm the atmosphere by absorbing and emitting heat and can cool the atmosphere by reflecting light. Cloud formation can also be affected by aerosols. Sulfate aerosols are emitted when fuel containing sulfur is burned. Black carbon (or soot) is emitted during biomass burning due to the incomplete combustion of fossil fuels. Particulate matter regulation has been lowering aerosol concentrations in the United States; however, global concentrations are likely increasing.

### Global Warming Potential

The Global Warming Potential (GWP) was developed to allow comparisons of the global warming impacts of different gases. Specifically, it is a measure of how much energy the emissions of 1 ton of a gas will absorb over a given period of time, relative to the emissions of 1 ton of carbon dioxide (CO<sub>2</sub>). The larger the GWP, the more that a given gas warms the Earth compared to CO<sub>2</sub> over that time period. The time period usually used for GWPs is 100 years. GWPs provide a common unit of measure, which allows analysts to add up emissions estimates of different gases (e.g., to compile a national GHG inventory), and allows policymakers to compare emissions reduction opportunities across sectors and gases. A summary of the atmospheric lifetime and the global warming potential of selected gases are summarized in Table 21. As shown in Table 21, the global warming potential of GHGs ranges from 1 to 22,800.

**Table 21**  
**Global Warming Potentials and Atmospheric Lifetimes**

Gas	Atmospheric Lifetime	Global Warming Potential <sup>1</sup> (100 Year Horizon)
Carbon Dioxide (CO <sub>2</sub> )	-- <sup>2</sup>	1
Methane (CH <sub>4</sub> )	12	28-36
Nitrous Oxide (NO)	114	298
Hydrofluorocarbons (HFCs)	1-270	12-14,800
Perfluorocarbons (PFCs)	2,600-50,000	7,390-12,200
Nitrogen trifluoride (NF <sub>3</sub> )	740	17,200
Sulfur Hexafluoride (SF <sub>6</sub> )	3,200	22,800

Notes:

Source: <http://www3.epa.gov/climatechange/ghgemissions/gases.html>

- (1) Compared to the same quantity of CO<sub>2</sub> emissions.
- (2) Carbon dioxide's lifetime is poorly defined because the gas is not destroyed over time, but instead moves among different parts of the ocean-atmosphere-land system. Some of the excess carbon dioxide will be absorbed quickly (for example, by the ocean surface), but some will remain in the atmosphere for thousands of years, due in part to the very slow process by which carbon is transferred to ocean sediments.

## GREENHOUSE GAS STANDARDS AND REGULATION

### International

#### *Montreal Protocol*

In 1988, the United Nations established the Intergovernmental Panel on Climate Change (IPCC) to evaluate the impacts of global climate change and to develop strategies that nations could implement to curtail global climate change. In 1992, the United States joined other countries around the world in signing the United Nations' Framework Convention on Climate Change (UNFCCC) agreement with the goal of controlling GHG emissions. As a result, the Climate Change Action Plan was developed to address the reduction of GHGs in the United States. The plan consists of more than 50 voluntary programs.

Additionally, the Montreal Protocol was originally signed in 1987 and substantially amended in 1990 and 1992. The Montreal Protocol stipulates that the production and consumption of compounds that deplete ozone in the stratosphere—CFCs, halons, carbon tetrachloride, and methyl chloroform—were to be phased out, with the first three by the year 2000 and methyl chloroform by 2005.

#### *The Paris Agreement*

The Paris Agreement became effective on November 4, 2016. Thirty days after this date at least 55 Parties to the United Nations Framework Convention on Climate Change (Convention), accounting in total for at least an estimated 55 % of the total global greenhouse gas emissions, had deposited their instruments of ratification, acceptance, approval or accession with the Depositary.

The Paris Agreement built upon the Convention and – for the first time – attempted to bring all nations into a common cause to undertake ambitious efforts to combat climate change and adapt to its effects, with enhanced support to assist developing countries to do so. As such, it charts a new course in the global climate effort.

The Paris Agreement's central aim is to strengthen the global response to the threat of climate change by keeping a global temperature rise this century well below 2 degrees Celsius above pre-industrial levels and to pursue efforts to limit the temperature increase even further to 1.5 degrees Celsius. Additionally, the agreement aims to strengthen the ability of countries to deal with the impacts of climate change. To reach these ambitious goals, appropriate financial flows, a new technology framework and an enhanced capacity building framework will be put in place, thus supporting action by developing countries and the most vulnerable countries, in line with their own national objectives. The Agreement also provides for enhanced transparency of action and support through a more robust transparency framework. The Trump administration has recently indicated the United States federal government will no longer participate in the Paris agreement. However, the U.S. cannot technically withdraw from the Agreement until November 4, 2020.

### Federal

The United States Environmental Protection Agency (USEPA) is responsible for implementing federal policy to address GHGs. The federal government administers a wide array of public-private partnerships to reduce the GHG intensity generated in the United States. These programs focus on energy efficiency, renewable energy, methane and other non-CO<sub>2</sub> gases, agricultural practices, and implementation of technologies to achieve GHG reductions. The USEPA implements numerous voluntary programs that contribute to the reduction of GHG emissions. These programs (e.g., the ENERGY STAR labeling system for energy-efficient products) play a significant role in encouraging voluntary reductions from large corporations, consumers, industrial and commercial buildings, and many major industrial sectors.

In *Massachusetts v. Environmental Protection Agency* (Docket No. 05–1120), argued November 29, 2006 and decided April 2, 2007, the U.S. Supreme Court held that not only did the EPA have authority to regulate

greenhouse gases, but the EPA's reasons for not regulating this area did not fit the statutory requirements. As such, the U.S. Supreme Court ruled that the EPA should be required to regulate CO<sub>2</sub> and other greenhouse gases as pollutants under the federal Clean Air Act (CAA).

In response to the FY2008 Consolidations Appropriations Act (H.R. 2764; Public Law 110-161), EPA proposed a rule on March 10, 2009 that requires mandatory reporting of GHG emissions from large sources in the United States. On September 22, 2009, the Final Mandatory Reporting of GHG Rule was signed and published in the Federal Register on October 30, 2009. The rule became effective on December 29, 2009. This rule requires suppliers of fossil fuels or industrial GHGs, manufacturers of vehicles and engines, and facilities that emit 25,000 metric tons or more per year of GHG emissions to submit annual reports to EPA.

On December 7, 2009, the EPA Administrator signed two distinct findings under section 202(a) of the Clean Air Act. One is an endangerment finding that finds concentrations of the six GHGs in the atmosphere threaten the public health and welfare of current and future generations. The other is a cause or contribute finding, that finds emissions from new motor vehicles and new motor vehicle engines contribute to the GHG pollution which threatens public health and welfare. These actions will not themselves impose any requirements on industry or other entities. However, it is a prerequisite to finalizing the EPA's proposed GHG emission standards for light-duty vehicles, which were jointly proposed by the EPA and Department of Transportation on September 15, 2009.

#### *Clean Air Act*

In *Massachusetts v. Environmental Protection Agency* (Docket No. 05-1120), the U.S. Supreme Court held in April of 2007 that the USEPA has statutory authority under Section 202 of the federal Clean Air Act (CAA) to regulate GHGs. The court did not hold that the USEPA was required to regulate GHG emissions; however, it indicated that the agency must decide whether GHGs cause or contribute to air pollution that is reasonably anticipated to endanger public health or welfare. On December 7, 2009, the USEPA Administrator signed two distinct findings regarding GHGs under Section 202(a) of the CAA. The USEPA adopted a Final Endangerment Finding for the six defined GHGs (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, and SF<sub>6</sub>) on December 7, 2009. The Endangerment Finding is required before USEPA can regulate GHG emissions under Section 202(a)(1) of the CAA consistently with the United States Supreme Court decision. The USEPA also adopted a Cause or Contribute Finding in which the USEPA Administrator found that GHG emissions from new motor vehicle and motor vehicle engines are contributing to air pollution, which is endangering public health and welfare. These findings do not, by themselves, impose any requirements on industry or other entities. However, these actions were a prerequisite for implementing GHG emissions standards for vehicles.

#### *Energy Independence Security Act*

The Energy Independence and Security Act of 2007 (EISA) facilitates the reduction of national GHG emissions by requiring the following:

- Increasing the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard (RFS) that requires fuel producers to use at least 36 billion gallons of biofuel in 2022;
- Prescribing or revising standards affecting regional efficiency for heating and cooling products, procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances;
- Requiring approximately 25 percent greater efficiency for light bulbs by phasing out incandescent light bulbs between 2012 and 2014; requiring approximately 200 percent greater efficiency for light bulbs, or similar energy savings, by 2020; and
- While superseded by the USEPA and NHTSA actions described above, (i) establishing miles per gallon targets for cars and light trucks and (ii) directing the NHTSA to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for trucks.

Additional provisions of EISA address energy savings in government and public institutions, promote research for alternative energy, additional research in carbon capture, international energy programs, and the creation of green jobs.<sup>10</sup>

#### *Executive Order 13432*

In response to the Massachusetts v. Environmental Protection Agency ruling, the President signed Executive Order 13432 on May 14, 2007, directing the USEPA, along with the Departments of Transportation, Energy, and Agriculture, to initiate a regulatory process that responds to the Supreme Court's decision. Executive Order 13432 was codified into law by the 2009 Omnibus Appropriations Law signed on February 17, 2009. The order sets goals in the areas of energy efficiency, acquisition, renewable energy, toxics reductions, recycling, sustainable buildings, electronics stewardship, fleets, and water conservation. Light-Duty Vehicle Greenhouse Gas and Corporate Average Fuel Economy Standards.

On May 19, 2009, President Obama announced a national policy for fuel efficiency and emissions standards in the United States auto industry. The adopted federal standard applies to passenger cars and light-duty trucks for model years 2012 through 2016. The rule surpasses the prior Corporate Average Fuel Economy standards (CAFE)<sup>11</sup> and requires an average fuel economy standard of 35.5 miles per gallon (mpg) and 250 grams of CO<sub>2</sub> per mile by model year 2016, based on USEPA calculation methods. These standards were formally adopted on April 1, 2010. In August 2012, standards were adopted for model year 2017 through 2025 for passenger cars and light-duty trucks. By 2025, vehicles are required to achieve 54.5 mpg (if GHG reductions are achieved exclusively through fuel economy improvements) and 163 grams of CO<sub>2</sub> per mile. According to the USEPA, a model year 2025 vehicle would emit one-half of the GHG emissions from a model year 2010 vehicle.<sup>12</sup> In 2017, the USEPA recommended no change to the GHG standards for light-duty vehicles for model years 2022-2025.

In August 2018, the USEPA and NHTSA proposed the Safer Affordable Fuel-Efficient Vehicles Rule that would, if adopted, maintain the CAFE and CO<sub>2</sub> standards applicable in model year 2020 for model years 2021 through 2026. The estimated CAFE and CO<sub>2</sub> standards for model year 2020 are 43.7 mpg and 204 grams of CO<sub>2</sub> per mile for passenger cars and 31.3 mpg and 284 grams of CO<sub>2</sub> per mile for light trucks, projecting an overall industry average of 37 mpg, as compared to 46.7 mpg under the standards issued in 2012. The proposal, if adopted, would also exclude CO<sub>2</sub>-equivalent emission improvements associated with air conditioning refrigerants and leakage (and, optionally, offsets for nitrous oxide and methane emissions) after model year 2020.<sup>13</sup>

### **State of California**

#### *California Air Resources Board*

CARB, a part of the California Environmental Protection Agency (CalEPA), is responsible for the coordination and administration of both federal and state air pollution control programs within California. In this capacity, CARB conducts research, sets state ambient air quality standards (California Ambient Air Quality Standards

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<sup>10</sup> A green job, as defined by the United States Department of Labor, is a job in business that produces goods or provides services that benefit the environment or conserve natural resources.

<sup>11</sup> The Corporate Average Fuel Economy standards are regulations in the United States, first enacted by Congress in 1975, to improve the average fuel economy of cars and light trucks. The U.S Department of Transportation has delegated the National Highway Traffic Safety Administration as the regulatory agency for the Corporate Average Fuel Economy standards.

<sup>12</sup> United States Environmental Protection Agency, EPA and NHTSA Set Standards to Reduce Greenhouse Gases and Improve Fuel Economy for Model Years 2017-2025 Cars and Light Trucks, August 2012, <https://nepis.epa.gov/Exe/ZyPDF.cgi/P100EZ7C.PDF?Dockey=P100EZ7C.PDF>.

<sup>13</sup> National Highway Traffic Safety Administration (NHTSA) and U.S. Environmental Protection Agency (USEPA), 2018. Federal Register / Vol. 83, No. 165 / Friday, August 24, 2018 / Proposed Rules, The Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks 2018. Available at: <https://www.gpo.gov/fdsys/pkg/FR-2018-08-24/pdf/2018-16820.pdf>.

[CAAQS]), compiles emission inventories, develops suggested control measures, and provides oversight of local programs. CARB establishes emissions standards for motor vehicles sold in California, consumer products (such as hairspray, aerosol paints, and barbecue lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions.

In 2004, the California Air Resources Board (CARB) adopted an Airborne Toxic Control Measure to limit heavy-duty diesel motor vehicle idling in order to reduce public exposure to diesel particulate matter and other toxic air contaminants (Title 13 California Code of Regulations [CCR], Section 2485). The measure applies to diesel-fueled commercial vehicles with gross vehicle weight ratings greater than 10,000 pounds that are licensed to operate on highways, regardless of where they are registered. This measure generally does not allow diesel-fueled commercial vehicles to idle for more than 5 minutes at any given location with certain exemptions for equipment in which idling is a necessary function such as concrete trucks. While this measure primarily targets diesel particulate matter emissions, it has co-benefits of minimizing GHG emissions from unnecessary truck idling.

In 2008, CARB approved the Truck and Bus regulation to reduce particulate matter and nitrogen oxide emissions from existing diesel vehicles operating in California (13 CCR, Section 2025, subsection (h)). CARB has also promulgated emission standards for off-road diesel construction equipment of greater than 25 horsepower such as bulldozers, loaders, backhoes and forklifts, as well as many other self-propelled off-road diesel vehicles. The regulation, adopted by the CARB on July 26, 2007, aims to reduce emissions by installation of diesel soot filters and encouraging the retirement, replacement, or repower of older, dirtier engines with newer emission controlled models. Refer to Section IV.B, *Air Quality*, of this Draft EIR for additional details regarding these regulations. While these regulations primarily target reductions in criteria air pollutant emission, they have co-benefits of minimizing GHG emissions due to improved engine efficiencies.

The State currently has no regulations that establish ambient air quality standards for GHGs. However, the State has passed laws directing CARB to develop actions to reduce GHG emissions, which are listed below.

#### *Assembly Bill 1493*

California Assembly Bill 1493 enacted on July 22, 2002, required the CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. In 2005, the CARB submitted a “waiver” request to the EPA from a portion of the federal Clean Air Act in order to allow the State to set more stringent tailpipe emission standards for CO<sub>2</sub> and other GHG emissions from passenger vehicles and light duty trucks. On December 19, 2007 the EPA announced that it denied the “waiver” request. On January 21, 2009, CARB submitted a letter to the EPA administrator regarding the State’s request to reconsider the waiver denial. The EPA approved the waiver on June 30, 2009.

#### *Executive Order S-3-05*

The California Governor issued Executive Order S-3-05, GHG Emission, in June 2005, which established the following reduction targets:

- By 2010, California shall reduce GHG emissions to 2000 levels;
- By 2020, California shall reduce GHG emissions to 1990 levels; and
- By 2050, California shall reduce GHG emissions to 80 percent below 1990 levels.

The Executive Order directed the secretary of the California Environmental Protection Agency (CalEPA) to coordinate a multi-agency effort to reduce GHG emissions to the target levels. To comply with the Executive Order, the secretary of CalEPA created the California Climate Action Team (CAT), made up of members from various state agencies and commissions. The team released its first report in March 2006. The report proposed to achieve the targets by building on the voluntary actions of businesses, local governments, and communities and through State incentive and regulatory programs.

*Assembly Bill 32 (California Health and Safety Code, Division 25.5 – California Global Warming Solutions Act of 2006)*

In 2006, the California State Legislature adopted Assembly Bill (AB) 32 (codified in the California Health and Safety Code [HSC], Division 25.5 – California Global Warming Solutions Act of 2006), which focuses on reducing GHG emissions in California to 1990 levels by 2020. HSC Division 25.5 defines GHGs as CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, and SF<sub>6</sub> and represents the first enforceable statewide program to limit emissions of these GHGs from all major industries with penalties for noncompliance. The law further requires that reduction measures be technologically feasible and cost effective. Under HSC Division 25.5, CARB has the primary responsibility for reducing GHG emissions. CARB is required to adopt rules and regulations directing state actions that would achieve GHG emissions reductions equivalent to 1990 statewide levels by 2020.

*Senate Bill 32 and Assembly Bill 197*

In 2016, the California State Legislature adopted Senate Bill (SB) 32 and its companion bill AB 197, and both were signed by Governor Brown. SB 32 and AB 197 amends HSC Division 25.5 and establishes a new climate pollution reduction target of 40 percent below 1990 levels by 2030 and includes provisions to ensure the benefits of state climate policies reach into disadvantaged communities.

*Climate Change Scoping Plan (2008)*

A specific requirement of AB 32 was to prepare a Climate Change Scoping Plan for achieving the maximum technologically feasible and cost-effective GHG emission reduction by 2020 (Health and Safety Code section 38561 (h)). CARB developed an AB 32 Scoping Plan that contains strategies to achieve the 2020 emissions cap. The initial Scoping Plan was approved in 2008, and contains a mix of recommended strategies that combined direct regulations, market-based approaches, voluntary measures, policies, and other emission reduction programs calculated to meet the 2020 statewide GHG emission limit and initiate the transformations needed to achieve the State's long-range climate objectives.

As required by HSC Division 25.5, CARB approved the 1990 GHG emissions inventory, thereby establishing the emissions limit for 2020. The 2020 emissions limit was originally set at 427 MMTCO<sub>2e</sub> using the GWP values from the IPCC SAR. CARB also projected the state's 2020 GHG emissions under no-action-taken (NAT) conditions – that is, emissions that would occur without any plans, policies, or regulations to reduce GHG emissions. CARB originally used an average of the state's GHG emissions from 2002 through 2004 and projected the 2020 levels at approximately 596 MMTCO<sub>2e</sub> (using GWP values from the IPCC SAR). Therefore, under the original projections, the state must reduce its 2020 NAT emissions by 28.4 percent in order to meet the 1990 target of 427 MMTCO<sub>2e</sub>.

*First Update to the Climate Change Scoping Plan (2014)*

The First Update to the Scoping Plan was approved by CARB in May 2014 and builds upon the initial Scoping Plan with new strategies and recommendations. In 2014, CARB revised the target using the GWP values from the IPCC AR4 and determined that the 1990 GHG emissions inventory and 2020 GHG emissions limit is 431 MMTCO<sub>2e</sub>. CARB also updated the State's 2020 NAT emissions estimate to account for the effect of the 2007–2009 economic recession, new estimates for future fuel and energy demand, and the reductions required by regulation that were recently adopted for motor vehicles and renewable energy. CARB's projected statewide 2020 emissions estimate using the GWP values from the IPCC AR4 is 509.4 MMTCO<sub>2e</sub>.

*2017 Climate Change Scoping Plan*

In response to the 2030 GHG reduction target, CARB adopted the 2017 Climate Change Scoping Plan at a public meeting held in December 2017. The 2017 Scoping Plan outlines the strategies the State will implement



to achieve the 2030 GHG reduction target of 40 percent below 1990 levels. The 2017 Scoping Plan also addresses GHG emissions from natural and working lands of California, including the agriculture and forestry sectors. The 2017 Scoping Plan considered the Scoping Plan Scenario and four alternatives for achieving the required GHG reductions but ultimately selected the Scoping Plan Scenario.

CARB states that the Scoping Plan Scenario “is the best choice to achieve the State’s climate and clean air goals.”<sup>14</sup> Under the Scoping Plan Scenario, the majority of the reductions would result from the continuation of the Cap-and-Trade regulation. Additional reductions are achieved from electricity sector standards (i.e., utility providers to supply at least 50 percent renewable electricity by 2030), doubling the energy efficiency savings at end uses, additional reductions from the LCFS, implementing the short-lived GHG strategy (e.g., hydrofluorocarbons), and implementing the mobile source strategy and sustainable freight action plan. The alternatives were designed to consider various combinations of these programs, as well as consideration of a carbon tax in the event the Cap-and-Trade regulation is not continued. However, in July 2017, the California Legislature voted to extend the Cap-and-Trade regulation to 2030. Implementing this Scoping Plan will ensure that California’s climate actions continue to promote innovation, drive the generation of new jobs, and achieve continued reductions of smog and air toxics. The ambitious approach draws on a decade of successful programs that address the major sources of climate-changing gases in every sector of the economy:

- **More Clean Cars and Trucks:** The plan sets out far-reaching programs to incentivize the sale of millions of zero-emission vehicles, drive the deployment of zero-emission trucks, and shift to a cleaner system of handling freight statewide.
- **Increased Renewable Energy:** California’s electric utilities are ahead of schedule meeting the requirement that 33 percent of electricity come from renewable sources by 2020. The Scoping Plan guides utilities to 50 percent renewables, as required under SB 350.
- **Slashing Super-Pollutants:** The plan calls for a significant cut in super-pollutants such as methane and HFC refrigerants, which are responsible for as much as 40 percent of global warming.
- **Cleaner Industry and Electricity:** California’s renewed cap-and-trade program extends the declining cap on emissions from utilities and industries and the carbon allowance auctions. The auctions will continue to fund investments in clean energy and efficiency, particularly in disadvantaged communities.
- **Cleaner Fuels:** The Low Carbon Fuel Standard will drive further development of cleaner, renewable transportation fuels to replace fossil fuels.
- **Smart Community Planning:** Local communities will continue developing plans which will further link transportation and housing policies to create sustainable communities.
- **Improved Agriculture and Forests:** The Scoping Plan also outlines innovative programs to account for and reduce emissions from agriculture, as well as forests and other natural lands.

The 2017 Scoping Plan also evaluates reductions of smog-causing pollutants through California’s climate programs.

*SB 32, Pavley. California Global Warming Solutions Act of 2006*

- (1) The California Global Warming Solutions Act of 2006 designates the State Air Resources Board as the state agency charged with monitoring and regulating sources of emissions of greenhouse gases. The state board is required to approve a statewide greenhouse gas emissions limit equivalent to the statewide greenhouse gas emissions level in 1990 to be achieved by 2020 and to adopt rules and regulations in an open public process to achieve the maximum, technologically feasible, and cost-effective greenhouse gas emissions reductions. This bill would require the state board to ensure that statewide greenhouse gas emissions are reduced to 40% below the 1990 level by 2030.
- (2) This bill would become operative only if AB 197 of the 2015–16 Regular Session is enacted and becomes effective on or before January 1, 2017. AB 197 requires that the California Air Resources Board, which

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<sup>14</sup> California Air Resources Board, California’s 2017 Climate Change Scoping Plan, November 2017, [https://www.arb.ca.gov/cc/scopingplan/scoping\\_plan\\_2017.pdf](https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf)

directs implementation of emission-reduction programs, should target direct reductions at both stationary and mobile sources. AB 197 of the 2015-2016 Regular Session was approved on September 8, 2016.

#### *Executive Order S-1-07*

Executive Order S-1-07 was issued in 2007 and proclaims that the transportation sector is the main source of GHG emissions in the State, since it generates more than 40 percent of the State's GHG emissions. It establishes a goal to reduce the carbon intensity of transportation fuels sold in the State by at least ten percent by 2020. This Order also directs the CARB to determine whether this Low Carbon Fuel Standard (LCFS) could be adopted as a discrete early-action measure as part of the effort to meet the mandates in AB 32.

On April 23, 2009, the CARB approved the proposed regulation to implement the low carbon fuel standard. The low carbon fuel standard is anticipated to reduce GHG emissions by about 16 MMT per year by 2020. The low carbon fuel standard is designed to provide a framework that uses market mechanisms to spur the steady introduction of lower carbon fuels. The framework establishes performance standards that fuel producers and importers must meet each year beginning in 2011. Separate standards are established for gasoline and diesel fuels and the alternative fuels that can replace each. The standards are "back-loaded", with more reductions required in the last five years, than during the first five years. This schedule allows for the development of advanced fuels that are lower in carbon than today's fuels and the market penetration of plug-in hybrid electric vehicles, battery electric vehicles, fuel cell vehicles, and flexible fuel vehicles. It is anticipated that compliance with the low carbon fuel standard will be based on a combination of both lower carbon fuels and more efficient vehicles.

Reformulated gasoline mixed with corn-derived ethanol at ten percent by volume and low sulfur diesel fuel represent the baseline fuels. Lower carbon fuels may be ethanol, biodiesel, renewable diesel, or blends of these fuels with gasoline or diesel as appropriate. Compressed natural gas and liquefied natural gas also may be low carbon fuels. Hydrogen and electricity, when used in fuel cells or electric vehicles are also considered as low carbon fuels for the low carbon fuel standard.

#### *Senate Bill 97*

Senate Bill 97 (SB 97) was adopted August 2007 and acknowledges that climate change is a prominent environmental issue that requires analysis under CEQA. SB 97 directed the Governor's Office of Planning and Research (OPR), which is part of the State Natural Resources Agency, to prepare, develop, and transmit to the CARB guidelines for the feasible mitigation of GHG emissions or the effects of GHG emissions, as required by CEQA, by July 1, 2009. The Natural Resources Agency was required to certify and adopt those guidelines by January 1, 2010.

Pursuant to the requirements of SB 97 as stated above, on December 30, 2009, the Natural Resources Agency adopted amendments to the state CEQA guidelines that address GHG emissions. The CEQA Guidelines Amendments changed 14 sections of the CEQA Guidelines and incorporate GHG language throughout the Guidelines. However, no GHG emissions thresholds of significance were provided and no specific mitigation measures were identified. The GHG emission reduction amendments went into effect on March 18, 2010, and are summarized below:

- Climate action plans and other greenhouse gas reduction plans can be used to determine whether a project has significant impacts, based upon its compliance with the plan.
- Local governments are encouraged to quantify the greenhouse gas emissions of proposed projects, noting that they have the freedom to select the models and methodologies that best meet their needs and circumstances. The section also recommends consideration of several qualitative factors that may be used in the determination of significance, such as the extent to which the given project complies with state, regional, or local GHG reduction plans and policies. OPR does not set or dictate specific thresholds of

significance. Consistent with existing CEQA Guidelines, OPR encourages local governments to develop and publish their own thresholds of significance for GHG impacts assessment.

- When creating their own thresholds of significance, local governments may consider the thresholds of significance adopted or recommended by other public agencies or recommended by experts.
- New amendments include guidelines for determining methods to mitigate the effects of greenhouse gas emissions in Appendix F of the CEQA Guidelines.
- OPR is clear to state that “to qualify as mitigation, specific measures from an existing plan must be identified and incorporated into the project; general compliance with a plan, by itself, is not mitigation”.
- OPR’s emphasizes the advantages of analyzing GHG impacts on an institutional, programmatic level. OPR therefore approves tiering of environmental analyses and highlights some benefits of such an approach.
- Environmental impact reports (EIRs) must specifically consider a project’s energy use and energy efficiency potential.

#### *Senate Bill 100*

Senate Bill 100 (SB 100) requires 100 percent of total retail sales of electricity in California to come from eligible renewable energy resources and zero-carbon resources by December 31, 2045. SB 100 was adopted September 2018.

The interim thresholds from prior Senate Bills and Executive Orders would also remain in effect. These include Senate Bill 1078 (SB 1078), which requires retail sellers of electricity, including investor-owned utilities and community choice aggregators, to provide at least 20 percent of their supply from renewable sources by 2017. Senate Bill 107 (SB 107) which changed the target date to 2010. Executive Order S-14-08, which was signed on November 2008 and expanded the State’s Renewable Energy Standard to 33 percent renewable energy by 2020. Executive Order S-21-09 directed the CARB to adopt regulations by July 31, 2010 to enforce S-14-08. Senate Bill X1-2 codifies the 33 percent renewable energy requirement by 2020.

#### *Senate Bill 375*

Senate Bill 375 (SB 375) was adopted September 2008 and aligns regional transportation planning efforts, regional GHG emission reduction targets, and land use and housing allocation. SB 375 requires Metropolitan Planning Organizations (MPO) to adopt a sustainable communities strategy (SCS) or alternate planning strategy (APS) that will prescribe land use allocation in that MPOs Regional Transportation Plan (RTP). The CARB, in consultation with each MPO, will provide each affected region with reduction targets for GHGs emitted by passenger cars and light trucks in the region for the years 2020 and 2035. These reduction targets will be updated every eight years but can be updated every four years if advancements in emissions technologies affect the reduction strategies to achieve the targets. The CARB is also charged with reviewing each MPO’s sustainable communities strategy or alternate planning strategy for consistency with its assigned targets.

The proposed project is located within the Southern California Association of Governments (SCAG) jurisdiction, which has authority to develop the SCS or APS. For the SCAG region, the targets set by the CARB are at eight percent below 2005 per capita GHG emissions levels by 2020 and 19 percent below 2005 per capita GHG emissions levels by 2035. These reduction targets became effective October 2018.

#### *Senate Bill X7-7*

Senate Bill X7-7 (SB X7-7), enacted on November 9, 2009, mandates water conservation targets and efficiency improvements for urban and agricultural water suppliers. SB X7-7 requires the Department of Water Resources (DWR) to develop a task force and technical panel to develop alternative best management practices for the water sector. In addition, SB X7-7 required the DWR to develop criteria for baseline uses for residential, commercial, and industrial uses for both indoor and landscaped area uses. The DWR was also required to develop targets and regulations that achieve a statewide 20 percent reduction in water usage.

## *Assembly Bill 939 and Senate Bill 1374*

Assembly Bill 939 (AB 939) requires that each jurisdiction in California to divert at least 50 percent of its waste away from landfills, whether through waste reduction, recycling or other means. Senate Bill 1374 (SB 1374) requires the California Integrated Waste Management Board to adopt a model ordinance by March 1, 2004, suitable for adoption by any local agency to require 50 to 75 percent diversion of construction and demolition of waste materials from landfills.

## *California Code of Regulations (CCR) Title 24, Part 6*

CCR Title 24, Part 6: California's Energy Efficiency Standards for Residential and Nonresidential Buildings (Title 24) were first established in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods. Although it was not originally intended to reduce GHG emissions, electricity production by fossil fuels results in GHG emissions and energy efficient buildings require less electricity. Therefore, increased energy efficiency results in decreased GHG emissions.

The Energy Commission adopted 2008 Standards on April 23, 2008, and Building Standards Commission approved them for publication on September 11, 2008. These updates became effective on August 1, 2009. CalEEMod modeling defaults to 2008 standards. 2013 Standards were approved and have been effective since July 1, 2014. 2016 Standards were adopted January 1, 2017. 2019 standards were published July 1, 2019 and became effective January 1, 2020. All buildings for which an application for a building permit is submitted on or after January 1, 2020 must follow the 2019 standards. The 2016 residential standards were estimated to be approximately 28 percent more efficient than the 2013 standards, whereas the 2019 residential standards are estimated to be approximately 7 percent more efficient than the 2016 standards. Furthermore, once rooftop solar electricity generation is factored in, 2019 residential standards are estimated to be approximately 53 percent more efficient than the 2016 standards. Under the 2019 standards, nonresidential buildings are estimated to be approximately 30 percent more efficient than the 2016 standards. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas emissions.

Per Section 100 Scope, the 2019 Title 24, Part 6 Building Code now requires healthcare facilities, such as assisted living facilities, hospitals, and nursing homes, to meet documentation requirements of Title 24, Part 1 Chapter 7 – Safety Standards for Health Facilities. A healthcare facility is defined as any building or portion thereof licensed pursuant to California Health and Safety Code Division 2, Chapter 1, Section 1204 or Chapter 2, Section 1250.

Section 120.1 Ventilation and Indoor Air Quality included both additions and revisions in the 2019 Code. This section now requires nonresidential and hotel/motel buildings to have air filtration systems that use forced air ducts to supply air to occupiable spaces to have air filters. Further, the air filter efficiency must be either MERV 13 or use a particle size efficiency rating specific in the Energy Code AND be equipped with air filters with a minimum 2-inch depth or minimum 1-inch depth if sized according to the equation 120.1-A. If natural ventilation is to be used the space must also use mechanical unless ventilation openings are either permanently open or controlled to stay open during occupied times. The 2019 version of the Code also completely revised the minimum ventilation requirements including DVC airflow rates within Section 120.1 Table 120.1-A. Table 120.1-A now includes air classification and recirculation limitations, these are based on either the number of occupants or the CFM/ft<sup>2</sup> (cubic feet per minute per square foot), whichever is greater.

Section 120.1 Ventilation and Indoor Air Quality also included additions for high-rise residential buildings. Requirements include that mechanical systems must provide air filters that and that air filters must be MERV 13 or use a particle size efficiency rating specified in the Energy Code. Window operation is no longer a method allowed to meet ventilation requirements, continuous operation of central forced air system handlers used in central fan integrated ventilation system is not a permissible method of providing the dwelling unit ventilation airflow, and central ventilation systems that serve multiple dwelling units must be balanced to

provide ventilation airflow to each dwelling unit. In addition, requirements for kitchen range hoods were also provided in the updated Section 120.1.

Per Section 120.1(a) healthcare facilities must be ventilated in accordance with Chapter 4 of the California Mechanical Code and are NOT required to meet the ventilations requirements of Title 24, Part 6.

Section 140.4 Space Conditioning Systems included both additions and revisions within the 2019 Code. The changes provided new requirements for cooling tower efficiency, new chilled water cooling system requirements, as well as new formulas for calculating allowed fan power. Section 140.4(n) also provide a new exception for mechanical system shut-offs for high-rise multifamily dwelling units, while Section 140.4(o) added new requirements for conditioned supply air being delivered to space with mechanical exhaust.

Section 120.6 Covered Processes added information in regards to adiabatic chiller requirements that included that all condenser fans for air-cooled converseness, evaporative-cooled condensers, adiabatic condensers, gas coolers, air or water fluid coolers or cooling towers must be continuously variable speed, with the speed of all fans serving a common condenser high side controlled in unison .Further, the mid-condensing setpoint must be 70 degrees Fahrenheit for all of the above mentioned systems.

New regulations were also adopted under Section 130.1 Indoor Lighting Controls. These included new exceptions being added for restrooms, the exception for classrooms being removed, as well as exceptions in regard to sunlight provided through skylights and overhangs.

Section 130.2 Outdoor Lighting Controls and Equipment added automatic scheduling controls which included that outdoor lighting power must be reduced by 50 to 90 percent, turn the lighting off during unoccupied times and have at least two scheduling options for each luminaire independent from each other and with a 2-hour override function. Furthermore, motion sensing controls must have the ability to reduce power within 15 minutes of area being vacant and be able to come back on again when occupied. An exception allows for lighting subject to a health or life safety statute, ordinance, or regulation may have a minimum time-out period longer than 15 minutes or a minimum dimming level above 50% when necessary to comply with the applicable law.

*California Code of Regulations (CCR) Title 24, Part 11 (California Green Building Standards)*

On January 12, 2010, the State Building Standards Commission unanimously adopted updates to the California Green Building Standards Code, which went into effect on January 1, 2011.

2016 CALGreen Code: The 2016 residential standards are estimated to be approximately 28 percent more efficient than the 2013 standards. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas emissions. During the 2016-2017 fiscal year, the Department of Housing and Community Development (HCD) updated CALGreen through the 2015 Triennial Code Adoption Cycle.

HCD also increased the required construction waste reduction from 50 percent to 65 percent of the total building site waste. This increase aids in meeting CalRecycle's statewide solid waste recycling goal of 75 percent for 2020 as stated in Chapter 476, Statutes of 2011 (AB 341). HCD adopted new regulations requiring recycling areas for multifamily projects of five or more dwelling units. This regulation requires developers to provide readily accessible areas adequate in size to accommodate containers for depositing, storage and collection of non-hazardous materials (including organic waste) for recycling. This requirement assists businesses that were required as of April 1, 2016, to meet the requirements of Chapter 727, Statutes of 2014 (AB 1826).

HCD adopted new regulations to require information on photovoltaic systems and electric vehicle chargers to be included in operation and maintenance manuals. Currently, CALGreen section 4.410.1 Item 2(a) requires operation and maintenance instructions for equipment and appliances. Photovoltaic systems and electric

vehicle chargers are systems that play an important role in many households in California, and their importance is increasing every day. HCD incorporated these two terms in the existing language in order to provide clarity to code users as to additional systems requiring operation and maintenance instructions.

HCD updated the reference to Clean Air Standards of the United States Environmental Protection Agency applicable to woodstoves and pellet stoves. HCD also adopted a new requirement for woodstoves and pellet stoves to have a permanent label indicating they are certified to meet the emission limits. This requirement provides clarity to the code user and is consistent with the United States Environmental Protection Agency's New Source Performance Standards. HCD updated the list of standards which can be used for verification of compliance for exterior grade composite wood products. This list now includes four standards from the Canadian Standards Association (CSA): CSA O121, CSA O151, CSA O153 and CSA O325. HCD updated heating and air-conditioning system design references to the ANSI/ACCA 2 Manual J, ANSI/ACCA 1 Manual D, and ANSI/ACCA 3 Manual S to the most recent versions approved by ANSI. HCD adopted a new elective measure for hot water recirculation systems for water conservation. The United States Department of Energy estimates that 3,600 to 12,000 gallons of water per year can be saved by the typical household (with four points of hot water use) if a hot water recirculation system is installed.

2019 CALGreen Code: During the 2019-2020 fiscal year, the Department of Housing and Community Development (HCD) updated CALGreen through the 2019 Triennial Code Adoption Cycle.

HCD modified the best management practices for stormwater pollution prevention adding Section 5.106.2 for projects that disturb one or more acres of land. This section requires projects that disturb one acre or more of land or less than one acre of land but are part of a larger common plan of development or sale must comply with the postconstruction requirement detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board. The NPDES permits require postconstruction runoff (post-project hydrology) to match the preconstruction runoff pre-project hydrology) with installation of postconstruction stormwater management measures.

HCD added sections 5.106.4.1.3 and 5.106.4.1.5 in regard to bicycle parking. Section 5.106.4.1.3 requires new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility. In addition, Section 5.106.4.1.5 states that acceptable bicycle parking facility for Sections 5.106.4.1.2 through 5.106.4.1.4 shall be convenient from the street and shall meeting one of the following: (1) covered, lockable enclosures with permanently anchored racks for bicycles; (2) lockable bicycle rooms with permanently anchored racks; or (3) lockable, permanently anchored bicycle lockers.

HCD amended section 5.106.5.3.5 allowing future charging spaces to qualify as designated parking for clean air vehicles.

HCD updated section 5.303.3.3 in regard to showerhead flow rates. This update reduced the flow rate to 1.8 GPM.

HCD amended section 5.304.1 for outdoor potable water use in landscape areas and repealed sections 5.304.2 and 5.304.3. The update requires nonresidential developments to comply with a local water efficient landscape ordinance or the current California Department of Water Resource's' Model Water Efficient Landscape Ordinance (MWELo), whichever is more stringent. Some updates were also made in regard to the outdoor potable water use in landscape areas for public schools and community colleges.

HCD updated Section 5.504.5.3 in regard to the use of MERV filters in mechanically ventilated buildings. This update changed the filter use from MERV 8 to MERV 13. MERV 13 filters are to be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

### *Executive Order B-30-15*

On April 29, 2015, Governor Brown issued Executive Order B-30-15. Therein, the Governor directed the following:

- Established a new interim statewide reduction target to reduce GHG emissions to 40 percent below 1990 levels by 2030.
- Ordered all state agencies with jurisdiction over sources of GHG emissions to implement measures to achieve reductions of GHG emissions to meet the 2030 and 2050 reduction targets.
- Directed CARB to update the Climate Change Scoping Plan to express the 2030 target in terms of million metric tons of carbon dioxide equivalent.

### *Executive Order B-29-15*

Executive Order B-29-15, mandates a statewide 25 percent reduction in potable water usage. EO B-29-15 signed into law on April 1, 2015.

### *Executive Order B-37-16*

Executive Order B-37-16, continuing the State's adopted water reductions, was signed into law on May 9, 2016. The water reductions build off the mandatory 25 percent reduction called for in EO B-29-15.

### *SBX1 2*

Signed into law in April 2011, SBX1 2, requires one-third of the State's electricity to come from renewable sources. The legislation increases California's current 20 percent renewables portfolio standard target in 2010 to a 33 percent renewables portfolio standard by December 31, 2020.

### *Senate Bill 350*

Signed into law October 7, 2015, SB 350 increases California's renewable electricity procurement goal from 33 percent by 2020 to 50 percent by 2030. This will increase the use of Renewables Portfolio Standard (RPS) eligible resources, including solar, wind, biomass, geothermal, and others. In addition, SB 350 requires the state to double statewide energy efficiency savings in electricity and natural gas end uses by 2030. To help ensure these goals are met and the greenhouse gas emission reductions are realized, large utilities will be required to develop and submit Integrated Resource Plans (IRPs). These IRPs will detail how each entity will meet their customers resource needs, reduce greenhouse gas emissions and ramp up the deployment of clean energy resources.

### *Energy Sector and CEQA Guidelines Appendix F*

The CEC first adopted Energy Efficiency Standards for Residential and Nonresidential Buildings (CCR, Title 24, Part 6) in 1978 in response to a legislative mandate to reduce energy consumption in the state. Although not originally intended to reduce GHG emissions, increased energy efficiency and reduced consumption of electricity, natural gas, and other fuels would result in fewer GHG emissions from residential and nonresidential buildings subject to the standard. The standards are updated periodically (typically every three years) to allow for the consideration and inclusion of new energy efficiency technologies and methods. The 2016 update to the Energy Efficiency Standards for Residential and Nonresidential Buildings focuses on several key areas to improve the energy efficiency of renovations and addition to existing buildings as well as newly constructed buildings and renovations and additions to existing buildings. The major efficiency improvements to the residential Standards involve improvements for attics, walls, water heating, and lighting, whereas the major efficiency improvements to the nonresidential Standards include alignment with the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) 90.1-2013 national

standards. Furthermore, the 2016 update requires that enforcement agencies determine compliance with CCR, Title 24, Part 6 before issuing building permits for any construction.<sup>15</sup>

Part 11 of the Title 24 Building Energy Efficiency Standards is referred to as the California Green Building Standards (CALGreen) Code. The purpose of the CALGreen Code is to “improve public health, safety and general welfare by enhancing the design and construction of buildings through the use of building concepts having a reduced negative impact or positive environmental impact and encouraging sustainable construction practices in the following categories: (1) Planning and design; (2) Energy efficiency; (3) Water efficiency and conservation; (4) Material conservation and resource efficiency; and (5) Environmental air quality.”<sup>16</sup> As of January 1, 2011, the CALGreen Code is mandatory for all new buildings constructed in the state. The CALGreen Code establishes mandatory measures for new residential and non-residential buildings. Such mandatory measures include energy efficiency, water conservation, material conservation, planning and design, and overall environmental quality. The CALGreen Code was most recently updated in 2019 to include new mandatory measures for residential and nonresidential uses; the new measures took effect on January 1, 2020.

### **Regional – South Coast Air Quality Management District**

The project is within the South Coast Air Basin, which is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD).

#### *SCAQMD Regulation XXVII, Climate Change*

SCAQMD Regulation XXVII currently includes three rules:

- The purpose of Rule 2700 is to define terms and post global warming potentials.
- The purpose of Rule 2701, SoCal Climate Solutions Exchange, is to establish a voluntary program to encourage, quantify, and certify voluntary, high quality certified greenhouse gas emission reductions in the SCAQMD.
- Rule 2702, Greenhouse Gas Reduction Program, was adopted on February 6, 2009. The purpose of this rule is to create a Greenhouse Gas Reduction Program for greenhouse gas emission reductions in the SCAQMD. The SCAQMD will fund projects through contracts in response to requests for proposals or purchase reductions from other parties.

A variety of agencies have developed greenhouse gas emission thresholds and/or have made recommendations for how to identify a threshold. However, the thresholds for projects in the jurisdiction of the SCAQMD remain in flux. The California Air Pollution Control Officers Association explored a variety of threshold approaches but did not recommend one approach (2008). The ARB recommended approaches for setting interim significance thresholds (California Air Resources Board 2008b), in which a draft industrial project threshold suggests that non-transportation related emissions under 7,000 MTCO<sub>2e</sub> per year would be less than significant; however, the ARB has not approved those thresholds and has not published anything since then. The SCAQMD is in the process of developing thresholds, as discussed below.

#### *SCAQMD Threshold Development*

On December 5, 2008, the SCAQMD Governing Board adopted an interim greenhouse gas significance threshold for stationary sources, rules, and plans where the SCAQMD is lead agency (SCAQMD permit threshold). The SCAQMD permit threshold consists of five tiers. However, the SCAQMD is not the lead agency for this project. Therefore, the five permit threshold tiers do not apply to the proposed project.

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<sup>15</sup> California Energy Commission, 2016 Building Energy Efficiency Standards, June 2015, <http://www.energy.ca.gov/2015publications/CEC-400-2015-037/CEC-400-2015-037-CMF.pdf>

<sup>16</sup> California Building Standards Commission, 2010 California Green Building Standards Code, (2010).



The SCAQMD is in the process of preparing recommended significance thresholds for greenhouse gases for local lead agency consideration (“SCAQMD draft local agency threshold”); however, the SCAQMD Board has not approved the thresholds as of the date of the Notice of Preparation. The current draft thresholds consist of the following tiered approach:

- Tier 1 consists of evaluating whether or not the project qualifies for any applicable exemption under CEQA.
- Tier 2 consists of determining whether the project is consistent with a greenhouse gas reduction plan. If a project is consistent with a qualifying local greenhouse gas reduction plan, it does not have significant greenhouse gas emissions.
- Tier 3 consists of screening values, which the lead agency can choose, but must be consistent with all projects within its jurisdiction. A project’s construction emissions are averaged over 30 years and are added to a project’s operational emissions. If a project’s emissions are under one of the following screening thresholds, then the project is less than significant:
  - All land use types: 3,000 MTCO<sub>2</sub>e per year
  - Based on land use type: residential: 3,500 MTCO<sub>2</sub>e per year; commercial: 1,400 MTCO<sub>2</sub>e per year; or mixed use: 3,000 MTCO<sub>2</sub>e per year.
  - Based on land type: Industrial (where SCAQMD is the lead agency), 10,000 MTCO<sub>2</sub>e per year.
- Tier 4 has the following options:
  - Option 1: Reduce emissions from business as usual (BAU) by a certain percentage; this percentage is currently undefined.
  - Option 2: Early implementation of applicable AB 32 Scoping Plan measures.
  - Option 3, 2020 target for service populations (SP), which includes residents and employees: 4.8 MTCO<sub>2</sub>e/SP/year for projects and 6.6 MTCO<sub>2</sub>e/SP/year for plans;
  - Option 3, 2035 target: 3.0 MTCO<sub>2</sub>e/SP/year for projects and 4.1 MTCO<sub>2</sub>e/SP/year for plans.
- Tier 5 involves mitigation offsets to achieve target significance threshold.

The SCAQMD’s draft threshold uses the Executive Order S-3-05 goal as the basis for the Tier 3 screening level. Achieving the Executive Order’s objective would contribute to worldwide efforts to cap carbon dioxide concentrations at 450 ppm, thus stabilizing global climate. Specifically, the Tier 3 screening level for stationary sources is based on an emission capture rate of 90 percent for all new or modified projects. A 90 percent emission capture rate means that 90 percent of total emissions from all new or modified stationary source projects would be subject to a CEQA analysis, including a negative declaration, a mitigated negative declaration, or an environmental impact report, which includes analyzing feasible alternatives and imposing feasible mitigation measures. A GHG significance threshold based on a 90 percent emission capture rate may be more appropriate to address the long-term adverse impacts associated with global climate change because most projects will be required to implement GHG reduction measures. Further, a 90 percent emission capture rate sets the emission threshold low enough to capture a substantial fraction of future stationary source projects that will be constructed to accommodate future statewide population and economic growth, while setting the emission threshold high enough to exclude small projects that will in aggregate contribute a relatively small fraction of the cumulative statewide GHG emissions. This assertion is based on the fact that staff estimates that these GHG emissions would account for slightly less than one percent of future 2050 statewide GHG emissions target (85 MMTCO<sub>2</sub>eq/year). In addition, these small projects may be subject to future applicable GHG control regulations that would further reduce their overall future contribution to the statewide GHG inventory. Finally, these small sources are already subject to BACT for criteria pollutants and are more likely to be single-permit facilities, so they are more likely to have few opportunities readily available to reduce GHG emissions from other parts of their facility.

#### *SCAQMD Working Group*

Since neither the CARB nor the OPR has developed GHG emissions threshold, the SCAQMD formed a Working Group to develop significance thresholds related to GHG emissions. At the September 28, 2010 Working Group meeting, the SCAQMD released its most current version of the draft GHG emissions

thresholds, which recommends a tiered approach that provides a quantitative annual threshold of 10,000 MTCO<sub>2e</sub> for industrial uses.

### **Local – City of Torrance**

In December 2017, the City of Torrance adopted the City of Torrance Climate Action Plan (CAP). The Climate Action Plan is a guide which sets greenhouse gas emission reduction goals and establishes strategies to achieve these outcomes. The strategies included in the CAP are voluntary, however the City has committed to the targets outlined in the CAP. The CAP identifies community-wide strategies to lower GHG emissions from a range of sources within the jurisdiction, including transportation, land use, energy generation and consumption, water, and waste. The CAP reduction targets are consistent with California’s AB 32 goals and will help the State meet its long-term goal of 80 percent below 1990 levels by 2050. The City’s reduction targets include a 15 percent reduction from 2005 levels by 2020 and a 49 percent reduction from 2005 levels by 2035.

## **SIGNIFICANCE THRESHOLDS**

### **Appendix G of State CEQA Guidelines**

The CEQA Guidelines recommend that a lead agency consider the following when assessing the significance of impacts from GHG emissions on the environment:

- The extent to which the project may increase (or reduce) GHG emissions as compared to the existing environmental setting;
- Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project;
- The extent to which the project complies with regulations or requirements adopted to implement an adopted statewide, regional, or local plan for the reduction or mitigation of GHG emissions.<sup>17</sup>

### **Thresholds of Significance for this Project**

To determine whether the project's GHG emissions are significant, this analysis uses the SCAQMD draft tier 3 screening threshold of 3,000 MTCO<sub>2e</sub> per year for all land uses.

## **METHODOLOGY**

The proposed project is anticipated to generate GHG emissions from area sources, energy usage, mobile sources, waste, water, and construction equipment. The following provides the methodology used to calculate the project-related GHG emissions and the project impacts.

CalEEMod Version 2016.3.2 was used to calculate the GHG emissions from the proposed project. The CalEEMod Annual Output for year 2022 is available in Appendix C. Each source of GHG emissions is described in greater detail below.

### *Area Sources*

Area sources include emissions from consumer products, landscape equipment and architectural coatings. No changes were made to the default area source emissions.

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<sup>17</sup> The Governor’s Office of Planning and Research recommendations include a requirement that such a plan must be adopted through a public review process and include specific requirements that reduce or mitigate the project’s incremental contribution of GHG emissions. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable, notwithstanding compliance with the adopted regulations or requirements, an EIR must be prepared for the project.

### *Energy Usage*

Energy usage includes emissions from the generation of electricity and natural gas used on-site. No changes were made to the default energy usage parameters.

### *Mobile Sources*

Mobile sources include emissions from the additional vehicle miles generated from the proposed project. The vehicle trips associated with the proposed project have been analyzed by inputting the project-generated vehicular trips from the TIA into the CalEEMod Model. The program then applies the emission factors for each trip which is provided by the EMFAC2014 model to determine the vehicular traffic pollutant emissions. See Section 2 for details.

### *Waste*

Waste includes the GHG emissions generated from the processing of waste from the proposed project as well as the GHG emissions from the waste once it is interred into a landfill. AB 341 requires that 75 percent of waste be diverted from landfills by 2020, reductions for this are shown in the mitigated CalEEMod output values. No other changes were made to the default waste parameters.

### *Water*

Water includes the water used for the interior of the building as well as for landscaping and is based on the GHG emissions associated with the energy used to transport and filter the water. CALGreen standards require that indoor water use be reduced by 20 percent, reductions for this are shown in the mitigated CalEEMod output values. The project is also required to use water-efficient irrigation. No other changes were made to the default water usage parameters.

### *Construction*

The construction-related GHG emissions were also included in the analysis and were based on a 30 year amortization rate as recommended in the SCAQMD GHG Working Group meeting on November 19, 2009. The construction-related GHG emissions were calculated by CalEEMod and are detailed above.

## **PROJECT GREENHOUSE GAS EMISSIONS**

The GHG emissions have been calculated based on the parameters described above. A summary of the results are shown below in Table 22 and the CalEEMod Model run for the proposed project is provided in Appendix C. Table 22 shows that the total for the proposed project's emissions (without credit for any reductions from sustainable design and/or regulatory requirements) would be 4,273.32 MTCO<sub>2</sub>e per year. According to the thresholds of significance established above, a cumulative global climate change impact would occur if the GHG emissions created from the on-going operations of the proposed project would exceed the SCAQMD draft threshold of 3,000 MTCO<sub>2</sub>e per year for all land uses. Therefore, as the total emissions for the proposed project would exceed the SCAQMD draft screening threshold of 3,000 MTCO<sub>2</sub>e per year, emissions reductions are required (see Section 5, Emissions Reduction Measures for details).

The data provided in Table 23 shows that the proposed project's total emissions (compliance with regulation is shown as "mitigation" in the CalEEMod output) would be reduced to 2,910.85 MTCO<sub>2</sub>e per year. The reduction comes from incorporation of the following California Air Pollution Control Officers Association (CAPCOA)-based reduction measures and regulatory compliance: utilizing low-flow fixtures that would reduce indoor water demand by 20% per CALGreen Standards, recycling programs that reduces waste to landfills by a minimum of 75 percent (per AB 341), utilizing Energy Star appliances and high-efficiency lighting (at least 34 percent more efficient than standard), utilizing water-efficient irrigation systems; and incorporation of the

CAPCOA-based land use and site enhancement reduction measures: LUT-1 Increased Density, LUT-4 Improve Destination Accessibility, LUT-5 Increase Transit Accessibility, and SDT-1 Improve Pedestrian Network (see CalEEMod Annual Output in Appendix C for details).

With incorporation of regulatory compliance and credit for reductions due to CAPCOA location-based efficiency measures, as shown in Table 23, the proposed project would no longer exceed the SCAQMD draft screening threshold of 3,000 MTCO<sub>2</sub>e per year for all land uses and operation of the proposed project would not create a significant cumulative impact to global climate change.

**Table 22  
Project-Related Greenhouse Gas Emissions**

Category	Greenhouse Gas Emissions (Metric Tons/Year)					
	Bio-CO2	NonBio-CO <sub>2</sub>	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e
Area Sources <sup>1</sup>	0.00	0.02	0.02	0.00	0.00	0.02
Energy Usage <sup>2</sup>	0.00	1,017.77	1,017.77	0.04	0.01	1,022.00
Mobile Sources <sup>3</sup>	0.00	2,644.88	2,644.88	0.13	0.00	2,648.03
Waste <sup>4</sup>	70.34	0.00	70.34	4.16	0.00	174.27
Water <sup>5</sup>	22.07	296.48	318.55	2.28	0.06	392.23
Construction <sup>6</sup>	0.00	36.64	36.64	0.00	0.00	36.76
<b>Total Emissions</b>	<b>92.41</b>	<b>3,995.79</b>	<b>4,088.20</b>	<b>6.60</b>	<b>0.07</b>	<b>4,273.32</b>
SCAQMD Draft Screening Threshold						3,000
<b>Exceeds Threshold?</b>						<b>Yes</b>

Notes:

Source: CalEEMod Version 2016.3.2 for Opening Year 2022.

- (1) Area sources consist of GHG emissions from consumer products, architectural coatings, and landscape equipment.
- (2) Energy usage consist of GHG emissions from electricity and natural gas usage.
- (3) Mobile sources consist of GHG emissions from vehicles.
- (4) Solid waste includes the CO<sub>2</sub> and CH<sub>4</sub> emissions created from the solid waste placed in landfills.
- (5) Water includes GHG emissions from electricity used for transport of water and processing of wastewater.
- (6) Construction GHG emissions CO<sub>2</sub>e based on a 30 year amortization rate.

**Table 23**  
**Project-Related Greenhouse Gas Emissions With Incorporation of Sustainable Design/Regulation**

Category	Greenhouse Gas Emissions (Metric Tons/Year)					
	Bio-CO2	NonBio-CO <sub>2</sub>	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e
Area Sources <sup>1</sup>	0.00	0.02	0.02	0.00	0.00	0.02
Energy Usage <sup>2</sup>	0.00	908.75	908.75	0.03	0.01	912.59
Mobile Sources <sup>3</sup>	0.00	1,600.40	1,600.40	0.09	0.00	1,602.54
Waste <sup>4</sup>	17.59	0.00	17.59	1.04	0.00	43.57
Water <sup>5</sup>	17.66	238.75	256.41	1.82	0.04	315.36
Construction <sup>6</sup>	0.00	36.64	36.64	0.00	0.00	36.76
<b>Total Emissions</b>	<b>35.24</b>	<b>2,784.56</b>	<b>2,819.80</b>	<b>2.99</b>	<b>0.06</b>	<b>2,910.85</b>
SCAQMD Draft Screening Threshold						3,000
<b>Exceeds Threshold?</b>						<b>No</b>

Notes:

Source: CalEEMod Version 2016.3.2 for Opening Year 2022.

- (1) Area sources consist of GHG emissions from consumer products, architectural coatings, and landscape equipment.
- (2) Energy usage consist of GHG emissions from electricity and natural gas usage.
- (3) Mobile sources consist of GHG emissions from vehicles.
- (4) Solid waste includes the CO<sub>2</sub> and CH<sub>4</sub> emissions created from the solid waste placed in landfills.
- (5) Water includes GHG emissions from electricity used for transport of water and processing of wastewater.
- (6) Construction GHG emissions CO<sub>2</sub>e based on a 30 year amortization rate.

## CONSISTENCY WITH APPLICABLE GREENHOUSE GAS REDUCTION PLANS AND POLICIES

The proposed project could have the potential to conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. As stated previously, the applicable plan for the proposed project is the City of Torrance Climate Action Plan. The City of Torrance has selected goals to reduce its community GHG emissions to a level that is 15 percent below its 2005 GHG emissions level by 2020 and 49 percent below its 2005 levels by 2035.

As stated previously, the SCAQMD's tier 3 thresholds used Executive Order S-3-05 goal as the basis for deriving the screening level. The California Governor issued Executive Order S-3-05, GHG Emission, in June 2005, which established the following reduction targets:

- 2010: Reduce greenhouse gas emissions to 2000 levels
- 2020: Reduce greenhouse gas emissions to 1990 levels
- 2050: Reduce greenhouse gas emissions to 80 percent below 1990 levels.

In 2006, the California State Legislature adopted AB 32, the California Global Warming Solutions Act of 2006. AB 32 requires CARB, to adopt rules and regulations that would achieve GHG emissions equivalent to statewide levels in 1990 by 2020 through an enforceable statewide emission cap which was phased in starting in 2012.

Therefore, as the project's emissions meet the threshold for compliance with Executive Order S-3-05, the project's emissions also comply with the goals of AB 32 and the City of Torrance Climate Action Plan. Additionally, as the project meets the current interim emissions targets/thresholds established by SCAQMD, the project would also be on track to meet the reduction target of 40 percent below 1990 levels by 2030 mandated by SB-32. Furthermore, the majority of the post 2020 reductions in GHG emissions are addressed via regulatory requirements at the State level and the project will be required to comply with these regulations as they come into effect.

With incorporation of sustainable design and regulation, at a level of 2,910.85 MTCO<sub>2</sub>e per year, the project's GHG emissions do not exceed the SCAQMD draft threshold of 3,000 MTCO<sub>2</sub>e per year and is in compliance with the goals of the City of Torrance Climate Action Plan, AB-32 and SB-32. Furthermore, the project will comply with applicable Green Building Standards and City of Torrance's policies regarding sustainability (as dictated by the City's General Plan). Impacts are considered to be less than significant.

## CUMULATIVE GREENHOUSE GAS IMPACTS

Although the project is expected to emit GHGs, the emission of GHGs by a single project into the atmosphere is not itself necessarily an adverse environmental effect. Rather, it is the increased accumulation of GHG from more than one project and many sources in the atmosphere that may result in global climate change. Therefore, in the case of global climate change, the proximity of the project to other GHG emission generating activities is not directly relevant to the determination of a cumulative impact because climate change is a global condition. According to CAPCOA, “GHG impacts are exclusively cumulative impacts; there are no non-cumulative GHG emission impacts from a climate change perspective.”<sup>18</sup> The resultant consequences of that climate change can cause adverse environmental effects. A project’s GHG emissions typically would be very small in comparison to state or global GHG emissions and, consequently, they would, in isolation, have no significant direct impact on climate change.

The state has mandated a goal of reducing statewide emissions to 1990 levels by 2020, even though statewide population and commerce are predicted to continue to expand. In order to achieve this goal, CARB is in the process of establishing and implementing regulations to reduce statewide GHG emissions. Consistent with CEQA Guidelines Section 15064h(3),<sup>19</sup> the City, as lead agency, has determined that the project’s contribution to cumulative GHG emissions and global climate change would be less than significant if the project is consistent with the applicable regulatory plans and policies to reduce GHG emissions.

As discussed in the “Consistency With Applicable Greenhouse Gas Reduction Plans and Policies” section above, the project is consistent with the goals and objectives of the City of Torrance Climate Action Plan.

Thus, given the project’s consistency with the SCAQMD’s 3,000 MTCO<sub>2</sub>e per year draft threshold for all land uses, the project would not conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of reducing the emissions of GHGs. Given this consistency, it is concluded that the project’s incremental contribution to greenhouse gas emissions and their effects on climate change would not be cumulatively considerable.

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<sup>18</sup> Source: California Air Pollution Control Officers Association, CEQA & Climate change: Evaluating and Addressing Greenhouse Gas Emissions from Projects Subject to the California Environmental Quality Act, (2008).

<sup>19</sup> The State CEQA Guidelines were amended in response to SB 97. In particular, the State CEQA Guidelines were amended to specify that compliance with a GHG emissions reduction program renders a cumulative impact insignificant. Per State CEQA Guidelines Section 15064(h)(3), a project’s incremental contribution to a cumulative impact can be found not cumulatively considerable if the project will comply with an approved plan or mitigation program that provides specific requirements that will avoid or substantially lessen the cumulative problem within the geographic area of the project. To qualify, such a plan or program must be specified in law or adopted by the public agency with jurisdiction over the affected resources through a public review process to implement, interpret, or make specific the law enforced or administered by the public agency. Examples of such programs include a “water quality control plan, air quality attainment or maintenance plan, integrated waste management plan, habitat conservation plan, natural community conservation plan, [and] plans or regulations for the reduction of greenhouse gas emissions.”



## 5. ENERGY ANALYSIS

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### EXISTING CONDITIONS

This section provides an overview of the existing energy conditions in the project area and region.

#### **Overview**

California's estimated annual energy use as of 2018 included:

- Approximately 194,842 gigawatt hours of electricity;<sup>20</sup>
- Approximately 2,110,829 million cubic feet of natural gas per year;<sup>21</sup> and
- Approximately 23.2 billion gallons of transportation fuel (for the year 2015).<sup>22</sup>

As of 2016, the year of most recent data currently available by the United States Energy Information Administration (EIA), energy use in California by demand sector was:

- Approximately 39.8 percent transportation;
- Approximately 23.7 percent industrial;
- Approximately 17.7 percent residential; and
- Approximately 18.9 percent commercial.<sup>23</sup>

California's electricity in-state generation system generates approximately 194,842 gigawatt-hours each year. In 2018, California produced approximately 68 percent of the electricity it uses; the rest was imported from the Pacific Northwest (approximately 14 percent) and the U.S. Southwest (approximately 18 percent). Natural gas is the main source for electricity generation at approximately 46.54 percent of the total in-state electric generation system power as shown in Table 24.

A summary of and context for energy consumption and energy demands within the State is presented in "U.S. Energy Information Administration, California State Profile and Energy Estimates, Quick Facts" excerpted below:

- Excluding federal offshore areas, California was the fourth-largest producer of crude oil among the 50 states in 2017, after Texas, North Dakota, and Alaska, and, as of January 2018, third in oil refining capacity after Texas and Louisiana.
- In 2016, California accounted for one-fifth of the nation's jet fuel consumption.
- California's total energy consumption is the second highest in the nation, but, in 2016, the State's per capita energy consumption ranked 48th, due in part to its mild climate and its energy efficiency programs.
- In 2017, California ranked second in the nation in conventional hydroelectric generation and first as a producer of electricity from solar, geothermal, and biomass resources.
- In 2017, solar PV and solar thermal installations provided about 16 percent of California's net electricity generation.<sup>24</sup>

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<sup>20</sup> California Energy Commission. Energy Almanac. Total Electric Generation. [Online] June 24, 2019. [http://www.energy.ca.gov/almanac/electricity\\_data/total\\_system\\_power.html](http://www.energy.ca.gov/almanac/electricity_data/total_system_power.html).

<sup>21</sup> Natural Gas Consumption by End Use . U.S. Energy Information Administration. [Online] March 29, 2019. [https://www.eia.gov/dnav/ng/ng\\_cons\\_sum\\_dcu\\_SCA\\_a.htm](https://www.eia.gov/dnav/ng/ng_cons_sum_dcu_SCA_a.htm).

<sup>22</sup> California Energy Commission. Revised Transportation Energy Demand Forecast 2018-2030. [Online] April 19, 2018. <https://www.energy.ca.gov/assessments/>

<sup>23</sup> U.S. Energy Information Administration. California Energy Consumption by End-Use Sector.

California State Profile and Energy Estimates.[Online] November 15, 2018 <https://www.eia.gov/state/?sid=CA#tabs-2>

<sup>24</sup> State Profile and Energy Estimates. Independent Statistics and Analysis. [Online] [Cited: November 15, 2018.] <http://www.eia.gov/state/?sid=CA#tabs2>.

As indicated above, California is one of the nation's leading energy-producing states, and California per capita energy use is among the nation's most efficient. Given the nature of the proposed project, the remainder of this discussion will focus on the three sources of energy that are most relevant to the project—namely, electricity and natural gas, and transportation fuel for vehicle trips associated with the proposed project.

## **Electricity**

Electricity would be provided to the project by Southern California Edison (SCE). SCE provides electric power to more than 15 million persons, within a service area encompassing approximately 50,000 square miles.<sup>25</sup> SCE derives electricity from varied energy resources including: fossil fuels, hydroelectric generators, nuclear power plants, geothermal power plants, solar power generation, and wind farms. SCE also purchases from independent power producers and utilities, including out-of-state suppliers.<sup>26</sup>

Table 25 identifies SCE's specific proportional shares of electricity sources in 2017. As shown in Table 25, the 2017 SCE Power Mix has renewable energy at 29 percent of the overall energy resources, of which biomass and waste is at 2 percent, geothermal is at 4 percent, small hydroelectric is at 3 percent, solar energy is at 10 percent, and wind power is at 10 percent; other energy sources include coal at 4 percent, large hydroelectric at 15 percent, natural gas at 34 percent, nuclear at 9 percent and unspecified sources at 9 percent.

## **Natural Gas**

Natural gas would be provided to the project by Southern California Gas (SoCalGas). The following summary of natural gas resources and service providers, delivery systems, and associated regulation is excerpted from information provided by the California Public Utilities Commission (CPUC).

The CPUC regulates natural gas utility service for approximately 10.8 million customers that receive natural gas from Pacific Gas and Electric (PG&E), Southern California Gas (SoCalGas), San Diego Gas & Electric (SDG&E), Southwest Gas, and several smaller investor-owned natural gas utilities. The CPUC also regulates independent storage operators Lodi Gas Storage, Wild Goose Storage, Central Valley Storage and Gill Ranch Storage.

The vast majority of California's natural gas customers are residential and small commercial customers, referred to as "core" customers, who accounted for approximately 32 percent of the natural gas delivered by California utilities in 2012. Large consumers, like electric generators and industrial customers, referred to as "noncore" customers, accounted for approximately 68 percent of the natural gas delivered by California utilities in 2012.

The PUC regulates the California utilities' natural gas rates and natural gas services, including in-state transportation over the utilities' transmission and distribution pipeline systems, storage, procurement, metering and billing.

Most of the natural gas used in California comes from out-of-state natural gas basins. In 2012, California customers received 35 percent of their natural gas supply from basins located in the Southwest, 16 percent from Canada, 40 percent from the Rocky Mountains, and 9 percent from basins located within California. California gas utilities may soon also begin receiving biogas into their pipeline systems."<sup>27</sup>

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<sup>25</sup> <https://www.sce.com/about-us/who-we-are/leadership/our-service-territory>

<sup>26</sup> California Energy Commission. Utility Energy Supply plans from 2015.  
[https://www.energy.ca.gov/almanac/electricity\\_data/supply\\_forms.html](https://www.energy.ca.gov/almanac/electricity_data/supply_forms.html)

<sup>27</sup> California Public Utilities Commission. Natural Gas and California. [http://www.cpuc.ca.gov/natural\\_gas/](http://www.cpuc.ca.gov/natural_gas/)

## **Transportation Energy Resources**

The project would attract additional vehicle trips with resulting consumption of energy resources, predominantly gasoline and diesel fuel. Gasoline (and other vehicle fuels) are commercially-provided commodities and would be available to the project patrons and employees via commercial outlets.

The most recent data available (2016) shows the transportation sector emits 41 percent of the total greenhouse gases in the state and about 84 percent of smog-forming oxides of nitrogen (NOx).<sup>28,29</sup> Petroleum comprises about 92 percent of all transportation energy use, excluding fuel consumed for aviation and most marine vessels.<sup>30</sup>

## **REGULATORY BACKGROUND**

Federal and state agencies regulate energy use and consumption through various means and programs. On the federal level, the United States Department of Transportation, the United States Department of Energy, and the United States Environmental Protection Agency are three federal agencies with substantial influence over energy policies and programs. On the state level, the PUC and the California Energy Commissions (CEC) are two agencies with authority over different aspects of energy. Relevant federal and state energy-related laws and plans are summarized below.

### **Federal Regulations**

#### *Corporate Average Fuel Economy (CAFE) Standards*

First established by the U.S. Congress in 1975, the Corporate Average Fuel Economy (CAFE) standards reduce energy consumption by increasing the fuel economy of cars and light trucks. The National Highway Traffic Safety Administration (NHTSA) and U.S. Environmental Protection Agency (USEPA) jointly administer the CAFE standards. The U.S. Congress has specified that CAFE standards must be set at the “maximum feasible level” with consideration given for: (1) technological feasibility; (2) economic practicality; (3) effect of other standards on fuel economy; and (4) need for the nation to conserve energy.<sup>31</sup>

#### *Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA)*

The Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA) promoted the development of intermodal transportation systems to maximize mobility as well as address national and local interests in air quality and energy. ISTEA contained factors that Metropolitan Planning Organizations (MPOs) were to address in developing transportation plans and programs, including some energy-related factors. To meet the new ISTEA requirements, MPOs adopted explicit policies defining the social, economic, energy, and environmental values guiding transportation decisions.

#### *The Transportation Equity Act of the 21st Century (TEA-21)*

The Transportation Equity Act for the 21st Century (TEA-21) was signed into law in 1998 and builds upon the initiatives established in the ISTEA legislation, discussed above. TEA-21 authorizes highway, highway safety, transit, and other efficient surface transportation programs. TEA-21 continues the program structure established for highways and transit under ISTEA, such as flexibility in the use of funds, emphasis on measures to improve the environment, and focus on a strong planning process as the foundation of good transportation

<sup>28</sup> CARB. California Greenhouse Gas Emissions Inventory – 2018 Edition. <https://www.arb.ca.gov/cc/inventory/data/data.htm>

<sup>29</sup> CARB. 2016 SIP Emission Projection Data. [https://www.arb.ca.gov/app/emsmv/2017/emseic1\\_query.php?F\\_DIV=-4&F\\_YR=2012&F\\_SEASON=A&SP=SIP105ADJ&F\\_AREA=CA](https://www.arb.ca.gov/app/emsmv/2017/emseic1_query.php?F_DIV=-4&F_YR=2012&F_SEASON=A&SP=SIP105ADJ&F_AREA=CA)

<sup>30</sup> US Energy Information Administration. Use of Energy in the United States Explained: Energy Use for Transportation. [https://www.eia.gov/energyexplained/?page=us\\_energy\\_transportation](https://www.eia.gov/energyexplained/?page=us_energy_transportation)

<sup>31</sup> <https://www.nhtsa.gov/lawsregulations/corporate-average-fuel-economy>.

decisions. TEA-21 also provides for investment in research and its application to maximize the performance of the transportation system through, for example, deployment of Intelligent Transportation Systems, to help improve operations and management of transportation systems and vehicle safety.

## **State Regulations**

### Integrated Energy Policy Report (IEPR)

Senate Bill 1389 requires the California Energy Commission (CEC) to prepare a biennial integrated energy policy report that assesses major energy trends and issues facing the State's electricity, natural gas, and transportation fuel sectors and provides policy recommendations to conserve resources; protect the environment; ensure reliable, secure, and diverse energy supplies; enhance the state's economy; and protect public health and safety. The Energy Commission prepares these assessments and associated policy recommendations every two years, with updates in alternate years, as part of the Integrated Energy Policy Report.

The recently approved 2017 Integrated Energy Policy Report Updated (2017 IEPR) was published in April 2018, and continues to work towards improving electricity, natural gas, and transportation fuel energy use in California. The 2016 IEPR focuses on a variety of topics such as implementation of Senate Bill 350, integrated resource planning, distributed energy resources, transportation electrification, solutions to increase resiliency in the electricity sector, energy efficiency, transportation electrification, barriers faced by disadvantaged communities, demand response, transmission and landscape-scale planning, the California Energy Demand Preliminary Forecast, the preliminary transportation energy demand forecast, renewable gas (in response to Senate Bill 1383), updates on Southern California electricity reliability, natural gas outlook, and climate adaptation and resiliency.<sup>32</sup>

### State of California Energy Plan

The CEC is responsible for preparing the State Energy Plan, which identifies emerging trends related to energy supply, demand, conservation, public health and safety, and the maintenance of a healthy economy. The Plan calls for the state to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators and encouragement of urban designs that reduce vehicle miles traveled and accommodate pedestrian and bicycle access.

### California Building Standards Code (Title 24)

The California Building Standards Code Title 24 was previously discussed in Section 3 of this report.

#### *California Building Energy Efficiency Standards (Title 24, Part 6)*

The California Building Energy Efficiency Standards for Residential and Nonresidential Buildings (California Code of Regulations, Title 24, Part 6) were adopted to ensure that building construction and system design and installation achieve energy efficiency and preserve outdoor and indoor environmental quality. The current California Building Energy Efficiency Standards (Title 24 standards) are the 2019 Title 24 standards, which became effective on January 1, 2020. The 2019 Title 24 standards include efficiency improvements to the lighting and efficiency improvements to the non-residential standards include alignment with the American Society of Heating and Air-Conditioning Engineers. For example, window operation is no longer a method allowed to meet ventilation requirements, continuous operation of central forced air system handlers used in central fan integrated ventilation system is not a permissible method of providing the dwelling unit ventilation

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<sup>32</sup> California Energy Commission. Final 2017 Integrated Energy Policy Report. April 16, 2018.  
[https://www.energy.ca.gov/2017\\_energy policy/](https://www.energy.ca.gov/2017_energy policy/)

airflow, and central ventilation systems that serve multiple dwelling units must be balanced to provide ventilation airflow to each dwelling unit. In addition, requirements for kitchen range hoods were also provided in the updated Section 120.1. Ventilation and Indoor Air Quality included both additions and revisions in the 2019 Code. This section now requires nonresidential and hotel/motel buildings to have air filtration systems that use forced air ducts to supply air to occupiable spaces to have air filters. Further, the air filter efficiency must be either MERV 13 or use a particle size efficiency rating specific in the Energy Code AND be equipped with air filters with a minimum 2-inch depth or minimum 1-inch depth if sized according to the equation 120.1-A. If natural ventilation is to be used the space must also use mechanical unless ventilation openings are either permanently open or controlled to stay open during occupied times.

New regulations were also adopted under Section 130.1 Indoor Lighting Controls. These included new exceptions being added for restrooms, the exception for classrooms being removed, as well as exceptions in regard to sunlight provided through skylights and overhangs.

All buildings for which an application for a building permit is submitted on or after January 1, 2020 must follow the 2019 standards. The 2016 residential standards were estimated to be approximately 28 percent more efficient than the 2013 standards, whereas the 2019 residential standards are estimated to be approximately 7 percent more efficient than the 2016 standards. Furthermore, once rooftop solar electricity generation is factored in, 2019 residential standards are estimated to be approximately 53 percent more efficient than the 2016 standards. Under the 2019 standards, nonresidential buildings are estimated to be approximately 30 percent more efficient than the 2016 standards. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas emissions.

#### *California Building Energy Efficiency Standards (Title 24, Part 11)*

The 2019 California Green Building Standards Code (California Code of Regulations, Title 24, Part 11), commonly referred to as the CALGreen Code, went into effect on January 1, 2020. The 2019 CALGreen Code includes mandatory measures for non-residential development related to site development; energy efficiency; water efficiency and conservation; material conservation and resource efficiency; and environmental quality.

As previously discussed in Section 3 of this report, the Department of Housing and Community Development (HCD) updated CALGreen through the 2019 Triennial Code Adoption Cycle. HCD modified the best management practices for stormwater pollution prevention adding Section 5.106.2 for projects that disturb one or more acres of land. This section requires projects that disturb one acre or more of land or less than one acre of land but are part of a larger common plan of development or sale must comply with the postconstruction requirement detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board. The NPDES permits require postconstruction runoff (post-project hydrology) to match the preconstruction runoff pre-project hydrology) with installation of postconstruction stormwater management measures.

HCD added sections 5.106.4.1.3 and 5.106.4.1.5 in regard to bicycle parking. Section 5.106.4.1.3 requires new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility. In addition, Section 5.106.4.1.5 states that acceptable bicycle parking facility for Sections 5.106.4.1.2 through 5.106.4.1.4 shall be convenient from the street and shall meeting one of the following: (1) covered, lockable enclosures with permanently anchored racks for bicycles; (2) lockable bicycle rooms with permanently anchored racks; or (3) lockable, permanently anchored bicycle lockers.

HCD amended section 5.106.5.3.5 allowing future charging spaces to qualify as designated parking for clean air vehicles.

HCD updated section 5.303.3.3 in regard to showerhead flow rates. This update reduced the flow rate to 1.8 GPM.

HCD amended section 5.304.1 for outdoor potable water use in landscape areas and repealed sections 5.304.2 and 5.304.3. The update requires nonresidential developments to comply with a local water efficient landscape ordinance or the current California Department of Water Resource's' Model Water Efficient Landscape Ordinance (MWELo), whichever is more stringent. Some updates were also made in regard to the outdoor potable water use in landscape areas for public schools and community colleges.

HCD updated Section 5.504.5.3 in regard to the use of MERV filters in mechanically ventilated buildings. This update changed the filter use from MERV 8 to MERV 13. MERV 13 filters are to be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

#### Senate Bill 350

As previously discussed in Section 3 of this report, Senate Bill 350 (SB 350) was signed into law October 7, 2015, SB 350 increases California's renewable electricity procurement goal from 33 percent by 2020 to 50 percent by 2030. This will increase the use of Renewables Portfolio Standard (RPS) eligible resources, including solar, wind, biomass, geothermal, and others. In addition, SB 350 requires the state to double statewide energy efficiency savings in electricity and natural gas end uses by 2030. To help ensure these goals are met and the greenhouse gas emission reductions are realized, large utilities will be required to develop and submit Integrated Resource Plans (IRPs). These IRPs will detail how each entity will meet their customers resource needs, reduce greenhouse gas emissions and ramp up the deployment of clean energy resources.

#### Assembly Bill 32

As discussed in Section 3 of this report, in 2006 the California State Legislature adopted Assembly Bill 32 (AB 32), the California Global Warming Solutions Act of 2006. AB 32 requires CARB, to adopt rules and regulations that would achieve GHG emissions equivalent to statewide levels in 1990 by 2020 through an enforceable statewide emission cap which will be phased in starting in 2012. Emission reductions shall include carbon sequestration projects that would remove carbon from the atmosphere and best management practices that are technologically feasible and cost effective. Please see Section 3 for further detail on AB 32.

#### Assembly Bill 1493/Pavley Regulations

As discussed in Section 3 of this report, California Assembly Bill 1493 enacted on July 22, 2002, required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. In 2005, the CARB submitted a "waiver" request to the EPA from a portion of the federal Clean Air Act in order to allow the State to set more stringent tailpipe emission standards for CO<sub>2</sub> and other GHG emissions from passenger vehicles and light duty trucks. On December 19, 2007 the EPA announced that it denied the "waiver" request. On January 21, 2009, CARB submitted a letter to the EPA administrator regarding the State's request to reconsider the waiver denial. The EPA approved the waiver on June 30, 2009.

#### Executive Order S-1-07/Low Carbon Fuel Standard

As discussed in Section 3 of this report, Executive Order S-1-07 was issued in 2007 and proclaims that the transportation sector is the main source of GHG emissions in the State, since it generates more than 40 percent of the State's GHG emissions. It establishes a goal to reduce the carbon intensity of transportation fuels sold in the State by at least ten percent by 2020. This Order also directs CARB to determine whether this Low Carbon Fuel Standard (LCFS) could be adopted as a discrete early-action measure as part of the effort to meet the mandates in AB 32.

On April 23, 2009 CARB approved the proposed regulation to implement the low carbon fuel standard. The low carbon fuel standard is anticipated to reduce GHG emissions by about 16 MMT per year by 2020. The low carbon fuel standard is designed to provide a framework that uses market mechanisms to spur the steady introduction of lower carbon fuels. The framework establishes performance standards that fuel producers and importers must meet each year beginning in 2011. Separate standards are established for gasoline and diesel fuels and the alternative fuels that can replace each. The standards are “back-loaded”, with more reductions required in the last five years, than during the first five years. This schedule allows for the development of advanced fuels that are lower in carbon than today’s fuels and the market penetration of plug-in hybrid electric vehicles, battery electric vehicles, fuel cell vehicles, and flexible fuel vehicles. It is anticipated that compliance with the low carbon fuel standard will be based on a combination of both lower carbon fuels and more efficient vehicles.

Reformulated gasoline mixed with corn-derived ethanol at ten percent by volume and low sulfur diesel fuel represent the baseline fuels. Lower carbon fuels may be ethanol, biodiesel, renewable diesel, or blends of these fuels with gasoline or diesel as appropriate. Compressed natural gas and liquefied natural gas also may be low carbon fuels. Hydrogen and electricity, when used in fuel cells or electric vehicles are also considered as low carbon fuels for the low carbon fuel standard.

### California Air Resources Board

#### *CARB’s Advanced Clean Cars Program*

Closely associated with the Pavley regulations, the Advanced Clean Cars emissions control program was approved by CARB in 2012. The program combines the control of smog, soot, and GHGs with requirements for greater numbers of zero-emission vehicles for model years 2015–2025.<sup>15</sup> The components of the Advanced Clean Cars program include the Low-Emission Vehicle (LEV) regulations that reduce criteria pollutants and GHG emissions from light- and medium-duty vehicles, and the Zero-Emission Vehicle (ZEV) regulation, which requires manufacturers to produce an increasing number of pure ZEVs (meaning battery electric and fuel cell electric vehicles), with provisions to also produce plug-in hybrid electric vehicles (PHEV) in the 2018 through 2025 model years.<sup>33</sup>

#### *Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling*

The Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling (Title 13, California Code of Regulations, Division 3, Chapter 10, Section 2435) was adopted to reduce public exposure to diesel particulate matter and other air contaminants by limiting the idling of diesel-fueled commercial motor vehicles. This section applies to diesel-fueled commercial motor vehicles with gross vehicular weight ratings of greater than 10,000 pounds that are or must be licensed for operation on highways. Reducing idling of diesel-fueled commercial motor vehicles reduces the amount of petroleum-based fuel used by the vehicle.

#### *Regulation to Reduce Emissions of Diesel Particulate Matter, Oxides of Nitrogen, and other Criteria Pollutants, from In-Use Heavy-Duty Diesel-Fueled Vehicles*

The Regulation to Reduce Emissions of Diesel Particulate Matter, Oxides of Nitrogen and other Criteria Pollutants, from In-Use Heavy-Duty Diesel-Fueled Vehicles (Title 13, California Code of Regulations, Division 3, Chapter 1, Section 2025) was adopted to reduce emissions of diesel particulate matter, oxides of nitrogen (NOX) and other criteria pollutants from in-use diesel-fueled vehicles. This regulation is phased, with full implementation by 2023. The regulation aims to reduce emissions by requiring the installation of diesel soot filters and encouraging the retirement, replacement, or repower of older, dirtier engines with newer emission-controlled models. The newer emission-controlled models would use petroleum-based fuel in a more efficient manner.

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<sup>33</sup> California Air Resources Board, California’s Advanced Clean Cars Program, January 18, 2017. [www.arb.ca.gov/msprog/acc/acc.htm](http://www.arb.ca.gov/msprog/acc/acc.htm).

## Sustainable Communities Strategy

The Sustainable Communities and Climate Protection Act of 2008, or Senate Bill 375 (SB 375), coordinates land use planning, regional transportation plans, and funding priorities to help California meet the GHG reduction mandates established in AB 32.

As previously stated in Section 3 of this report, Senate Bill 375 (SB 375) was adopted September 2008 and aligns regional transportation planning efforts, regional GHG emission reduction targets, and land use and housing allocation. SB 375 requires Metropolitan Planning Organizations (MPO) to adopt a sustainable communities strategy (SCS) or alternate planning strategy (APS) that will prescribe land use allocation in that MPOs Regional Transportation Plan (RTP). CARB, in consultation with each MPO, will provide each affected region with reduction targets for GHGs emitted by passenger cars and light trucks in the region for the years 2020 and 2035. These reduction targets will be updated every eight years but can be updated every four years if advancements in emissions technologies affect the reduction strategies to achieve the targets. CARB is also charged with reviewing each MPO's sustainable communities strategy or alternate planning strategy for consistency with its assigned targets.

The proposed project is located within the Southern California Association of Governments (SCAG) jurisdiction, which has authority to develop the SCS or APS. For the SCAG region, the targets set by CARB are at eight percent below 2005 per capita GHG emissions levels by 2020 and 19 percent below 2005 per capita GHG emissions levels by 2035. These reduction targets became effective October 2018.

## **PROJECT ENERGY DEMANDS AND ENERGY EFFICIENCY MEASURES**

### **Evaluation Criteria**

In compliance with Appendix G of the State CEQA Guidelines, this report analyzes the project's anticipated energy use to determine if the project would:

- Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation; or
- Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

In addition, Appendix F of the State CEQA Guidelines states that the means of achieving the goal of energy conservation includes the following:

- Decreasing overall per capita energy consumption;
- Decreasing reliance on fossil fuels such as coal, natural gas and oil; and
- Increasing reliance on renewable energy sources.

### **Methodology**

Information from the CalEEMod 2016.3.2 Daily Outputs contained in Appendix B and Annual Output contained in Appendix C, utilized for the air quality and greenhouse gas analyses in Sections 2 and 4 respectively of this report, were also utilized for this analysis. The CalEEMod outputs detail project related construction equipment, transportation energy demands, and facility energy demands.

### **Construction Energy Demands**

The construction schedule is anticipated to start no sooner than mid-June 2020 for demolition, with all other construction phases beginning May 2021 and being completed by May 2022. occur between the Staging of construction vehicles and equipment will occur on-site. The approximately thirteen-month schedule is relatively short and the project site is approximately 13.29 acres.



### *Construction Equipment Electricity Usage Estimates*

As stated previously, Electrical service will be provided by Southern California Edison. The focus within this section is the energy implications of the construction process, specifically the power cost from on-site electricity consumption during construction of the proposed project. Based on the 2017 National Construction Estimator, Richard Pray (2017),<sup>34</sup> the typical power cost per 1,000 square feet of building construction per month is estimated to be \$2.32. The project plans to develop the site with 305,550 square feet of floor area consisting of 86,780 square feet of warehouse, 198,400 square feet of manufacturing, and 20,370 square feet of office. Based on Table 26, the total power cost of the on-site electricity usage during the construction of the proposed project is estimated to be approximately \$9,215.39.

### *Construction Equipment Fuel Estimates*

Fuel consumed by construction equipment would be the primary energy resource expended over the course of project construction. Fuel consumed by construction equipment was evaluated with the following assumptions:

- Construction schedule of approximately 13 months
- All construction equipment was assumed to run on diesel fuel
- Typical daily use of 8 hours, with some equipment operating from ~6-7 hours
- Aggregate fuel consumption rate for all equipment was estimated at 18.5 hp-hr/day (from CARB's 2017 Emissions Factors Tables and fuel consumption rate factors as shown in Table D-21 of the Moyer Guidelines: ([https://www.arb.ca.gov/msprog/moyer/guidelines/2017gl/2017\\_gl\\_appendix\\_d.pdf](https://www.arb.ca.gov/msprog/moyer/guidelines/2017gl/2017_gl_appendix_d.pdf)).
- Diesel fuel would be the responsibility of the equipment operators/contractors and would be sources within the region.
- Project construction represents a "single-event" for diesel fuel demand and would not require on-going or permanent commitment of diesel fuel resources during long term operation.

Using the CalEEMod data input for the air quality and greenhouse gas analyses (Sections 2 and 4 of this report), the project's construction phase would consume electricity and fossil fuels as a single energy demand, that is, once construction is completed their use would cease. CARB's 2014 Emissions Factors Tables show that on average aggregate fuel consumption (gasoline and diesel fuel) would be approximately 18.5 hp-hr-gal. Table 27 shows the results of the analysis of construction equipment.

As presented in Table 27, project construction activities would consume an estimated 51,724 gallons of diesel fuel. As stated previously, project construction would represent a "single-event" diesel fuel demand and would not require on-going or permanent commitment of diesel fuel resources for this purpose.

### *Construction Worker Fuel Estimates*

It is assumed that all construction worker trips are from light duty autos (LDA) along area roadways. With respect to estimated VMT, the construction worker trips would generate an estimated 770,280 VMT. Data regarding project related construction worker trips were based on CalEEMod 2016.3.2 model defaults.

Vehicle fuel efficiencies for construction workers were estimated in the air quality and greenhouse gas analyses (Sections 2 and 4 of this report) using information generated using CARB's EMFAC model. An aggregate fuel efficiency of 28.57 miles per gallon (mpg) was used to calculate vehicle miles traveled for construction worker trips. Table 28 shows that an estimated 27,182 gallons of fuel would be consumed for construction worker trips.

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<sup>34</sup> Pray, Richard. 2017 National Construction Estimator. Carlsbad : Craftsman Book Company, 2017.

### *Construction Vendor/Hauling Fuel Estimates*

Tables 29 and 30 show the estimated fuel consumption for vendor and hauling during building construction and architectural coating. With respect to estimated VMT, the vendor and hauling trips would generate an estimated 1,925,440 VMT. Data regarding project related construction worker trips were based on CalEEMod 2016.3.2 model defaults.

For the architectural coatings it is assumed that the contractors would be responsible for bringing coatings and equipment with them in their light duty vehicles. Therefore, vendors delivering construction material or hauling debris from the site during grading would use medium to heavy duty vehicles with an average fuel consumption of 8.5 mpg. Tables 29 and 30 show that an estimated 226,522 gallons of fuel would be consumed for vendor and hauling trips.

### *Construction Energy Efficiency/Conservation Measures*

Construction equipment used over the approximately nine-month construction phase would conform to CARB regulations and California emissions standards and is evidence of related fuel efficiencies. There are no unusual project characteristics or construction processes that would require the use of equipment that would be more energy intensive than is used for comparable activities; or equipment that would not conform to current emissions standards (and related fuel efficiencies). Equipment employed in construction of the project would therefore not result in inefficient wasteful, or unnecessary consumption of fuel.

The project would utilize construction contractors which practice compliance with applicable CARB regulation regarding retrofitting, repowering, or replacement of diesel off-road construction equipment. Additionally, CARB has adopted the Airborne Toxic Control Measure to limit heavy-duty diesel motor vehicle idling in order to reduce public exposure to diesel particulate matter and other Toxic Air Contaminants. Compliance with these measures would result in a more efficient use of construction-related energy and would minimize or eliminate wasteful or unnecessary consumption of energy. Idling restrictions and the use of newer engines and equipment would result in less fuel combustion and energy consumption.

Additionally, as required by California Code of Regulations Title 13, Motor Vehicles, section 2449(d)(3) Idling, limits idling times of construction vehicles to no more than five minutes, thereby minimizing or eliminating unnecessary and wasteful consumption of fuel due to unproductive idling of construction equipment. Enforcement of idling limitations is realized through periodic site inspections conducted by County building officials, and/or in response to citizen complaints.

### **Operational Energy Demands**

Energy consumption in support of or related to project operations would include transportation energy demands (energy consumed by employee and patron vehicles accessing the project site) and facilities energy demands (energy consumed by building operations and site maintenance activities).

### *Transportation Fuel Consumption*

Using the CalEEMod output from the air quality and greenhouse gas analyses (Sections 2 and 4 of this report), it is assumed that an average trip for autos and light trucks was assumed to be 40 miles and 3- 4-axle trucks were assumed to travel an average of 6.9 miles<sup>35</sup>. To present a worst-case scenario, it was assumed that vehicles would operate 365 days per year rather than the more likely 253 days (excluding weekends and up to 8 holidays). Table 31 shows the estimated annual fuel consumption for all classes of vehicles from autos to heavy-heavy trucks.

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<sup>35</sup> CalEEMod default distance for H-W (home-work) or C-W (commercial-work) is 16.6 miles and 6.9 miles for H-O (home-other) or C-O (commercial-other).

Per the TIA, the proposed project would generate, 1,129 vehicle trips per day (non-PCE) and 1,417 vehicle trips per day (PCE). The vehicle fleet mix was used from the CalEEMod output. Table 31 shows that an estimated 751,636 gallons of fuel would be consumed per year for the operation of the proposed project.

#### *Facility Energy Demands (Electricity and Natural Gas)*

Building operation and site maintenance (including landscape maintenance) would result in the consumption of electricity (provided by Southern California Edison) and natural gas (provided by Southern California Gas Company). The annual natural gas and electricity demands were provided per the CalEEMod output from the air quality and greenhouse gas analyses (Sections 2 and 4 of this report) and are provided in Table 32.

Energy use in buildings is divided into energy consumed by the built environment and energy consumed by uses that are independent of the construction of the building such as in plug-in appliances. In California, the California Building Standards Code Title 24 governs energy consumed by the built environment, mechanical systems, and some types of fixed lighting. Non-building energy use, or “plug-in” energy use can be further subdivided by specific end-use (refrigeration, cooking, appliances, etc.).

### **RENEWABLE ENERGY AND ENERGY EFFICIENCY PLAN CONSISTENCY**

Regarding federal transportation regulations, the project site is located in an already developed area. Access to/from the project site is from existing roads. These roads are already in place so the project would not interfere with, nor otherwise obstruct intermodal transportation plans or projects that may be proposed pursuant to the ISTEA because SCAG is not planning for intermodal facilities in the project area.

Regarding the State’s Energy Plan and compliance with Title 24 CCR energy efficiency standards, the applicant is required to comply with the California Green Building Standard Code requirements for energy efficient buildings and appliances as well as utility energy efficiency programs implemented by Southern California Edison and Southern California Gas Company.

Regarding Pavley (AB 1493) regulations, an individual project does not have the ability to comply or conflict with these regulations because they are intended for agencies and their adoption of procedures and protocols for reporting and certifying GHG emission reductions from mobile sources.

Regarding the State’s Renewable Energy Portfolio Standards, the project would be required to meet or exceed the energy standards established in the California Green Building Standards Code, Title 24, Part 11 (CALGreen). CALGreen Standards require that new buildings reduce water consumption, employ building commissioning to increase building system efficiencies, divert construction waste from landfills, and install low pollutant-emitting finish materials.

As shown in Section 3 above, the proposed project is consistent with the applicable strategies of the City of Torrance Climate Action Plan.

### **CONCLUSIONS**

As supported by the preceding analyses, project construction and operations would not result in the inefficient, wasteful or unnecessary consumption of energy. Further, the energy demands of the project can be accommodated within the context of available resources and energy delivery systems. The project would therefore not cause or result in the need for additional energy producing or transmission facilities. The project would not engage in wasteful or inefficient uses of energy and aims to achieve energy conservation goals within the State of California. Notwithstanding, the project proposes industrial and office uses and will not have any long-term effects on an energy provider’s future energy development or future energy conservation strategies.

**Table 24  
Total Electricity System Power (California 2018)**

Fuel Type	California In-State Generation (GWh)	Percent of California In-State Generation	Northwest Imports (GWh)	Southwest Imports (GWh)	California Power Mix (GWh)	Percent California Power Mix
Coal	294	0.15%	399	8,740	9,433	3.30%
Large Hydro	22,096	11.34%	7,418	985	30,499	10.68%
Natural Gas	90,691	46.54%	49	8,904	99,644	34.91%
Nuclear	18,268	9.38%	0	7,573	25,841	9.05%
Oil	35	0.02%	0	0	35	0.01%
Other (Petroleum Coke/Waste Heat)	430	0.22%	0	9	439	0.15%
Renewables	63,028	32.35%	14,074	12,400	89,502	31.36%
Biomass	5,909	3.03%	772	26	6,707	2.35%
Geothermal	11,528	5.92%	171	1,269	12,968	4.54%
Small Hydro	4,248	2.18%	334	1	4,583	1.61%
Solar	27,265	13.99%	174	5,094	32,533	11.40%
Wind	14,078	7.23%	12,623	6,010	32,711	11.46%
Unspecified Sources of Power	N/A	N/A	17,576	12,519	30,095	10.54%
<b>Total</b>	<b>194,842</b>	<b>100.00%</b>	<b>39,517</b>	<b>51,130</b>	<b>285,488</b>	<b>100.00%</b>

Notes:

- (1) Source: California Energy Commission. Total System electric Generation, June 24, 2019.  
[https://www.energy.ca.gov/almanac/electricity\\_data/total\\_system\\_power.html](https://www.energy.ca.gov/almanac/electricity_data/total_system_power.html)

**Table 25**  
**SCE 2017 Power Content Mix**

Energy Resources	2017 SCE Power Mix <sup>1</sup>
Eligible Renewable	29%
Biomass & Waste	2%
Geothermal	4%
Small Hydroelectric	3%
Solar	10%
Wind	10%
Coal	4%
Large Hydroelectric	15%
Natural Gas	34%
Nuclear	9%
Other	<1%
Unspecified Sources of power*	9%
Total	100%

Notes:

(1) [https://www.sce.com/sites/default/files/inline-files/2017PCL\\_0.pdf](https://www.sce.com/sites/default/files/inline-files/2017PCL_0.pdf)

\* Unspecified sources of power means electricity from transactions that are not traceable to specific generation sources.

**Table 26**  
**Project Construction Power Cost and Electricity Usage**

Power Cost (per 1,000 square foot of building per month of construction)	Total Building Size (1,000 Square Foot)	Construction Duration (months)	Total Project Construction Power Cost
\$2.32	305.55	13	\$9,215.39

**Table 27  
Construction Equipment Fuel Consumption Estimates**

Phase	Number of Days	Offroad Equipment Type	Amount	Usage Hours	Horse Power (HP)	Load Factor	HP hrs/day	Total Fuel Consumption (gal diesel fuel) <sup>1</sup>
Demolition	20	Concrete/Industrial Saws	1	8	81	0.73	473	511
	20	Excavators	3	8	158	0.38	1,441	1,558
	20	Rubber Tired Dozers	2	8	247	0.40	1,581	1,709
Site Preparation	10	Tractors/Loaders/Backhoes	3	8	97	0.37	861	466
	10	Rubber Tired Dozers	2	8	247	0.40	1,581	854
Grading	30	Excavators	2	8	158	0.38	961	1,558
	30	Graders	1	8	187	0.41	613	995
	30	Rubber Tired Dozers	1	8	247	0.40	790	1,282
	30	Scrapers	2	8	367	0.48	2,819	4,571
	30	Tractors/Loaders/Backhoes	2	8	97	0.37	574	931
Building Construction	200	Cranes	1	7	231	0.29	469	5,070
	200	Forklifts	4	8	89	0.20	570	6,158
	200	Generator Sets	2	8	84	0.74	995	10,752
	200	Tractors/Loaders/Backhoes	4	7	97	0.37	1,005	10,864
	200	Welders	1	8	46	0.45	166	1,790
Paving	20	Pavers	2	8	130	0.42	874	944
	20	Paving Equipment	2	8	132	0.36	760	822
	20	Rollers	2	8	80	0.38	486	526
Architectural Coating	30	Air Compressors	1	6	78	0.48	225	364
<b>CONSTRUCTION FUEL DEMAND (gallons of diesel fuel)</b>								<b>51,724</b>

Notes:

- (1) Using Carl Moyer Guidelines Table D-21 Fuel consumption rate factors (bhp-hr/gal) for engines less than 750 hp.  
(Source: [https://www.arb.ca.gov/msprog/moyer/guidelines/2017gl/2017\\_gl\\_appendix\\_d.pdf](https://www.arb.ca.gov/msprog/moyer/guidelines/2017gl/2017_gl_appendix_d.pdf);

**Table 28  
Construction Worker Fuel Consumption Estimates**

Phase	Number of Days	Worker Trips/Day	Trip Length (miles) <sup>1</sup>	Vehicle Miles Traveled <sup>1</sup>	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Demolition	20	15	14.7	4,410	28.57	154
Site Preparation	10	13	14.7	1,911	28.57	67
Grading	30	20	14.7	8,820	28.57	309
Building Construction	200	250	14.7	735,000	28.57	25,726
Paving	20	15	14.7	4,410	28.57	154
Architectural Coating	30	50	14.7	22,050	28.57	772
<b>Total Construction Worker Fuel Consumption</b>						<b>27,182</b>

Notes:

(1) Assumptions for the worker trip length and vehicle miles traveled are consistent with CalEEMod 2016.3.2 defaults.



**Table 29  
Construction Vendor Fuel Consumption Estimates (MHD Trucks)**

Phase	Number of Days	Vendor Trips/Day	Trip Length (miles) <sup>1</sup>	Vehicle Miles Traveled <sup>1</sup>	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Demolition	20	0	6.9	0	8.5	0
Site Preparation	10	0	6.9	0	8.5	0
Grading	30	0	6.9	0	8.5	0
Building Construction	200	98	6.9	135,240	8.5	15,911
Paving	20	0	6.9	0	8.5	0
Architectural Coating	30	0	6.9	0	8.5	0
<b>Total Construction Worker Fuel Consumption</b>						<b>15,911</b>

Notes:

(1) Assumptions for the vendor trip length and vehicle miles traveled are consistent with CalEEMod 2016.3.2 defaults.

**Table 30**  
**Construction Hauling Fuel Consumption Estimates (HHD Trucks)**

Phase	Number of Days	Hauling Trips/Day	Trip Length (miles) <sup>1</sup>	Vehicle Miles Traveled <sup>1</sup>	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Demolition	20	739	20	295,600	8.5	34,776
Site Preparation	10	0	20	0	8.5	0
Grading	30	2,491	20	1,494,600	8.5	175,835
Building Construction	200	0	20	0	8.5	0
Paving	20	0	20	0	8.5	0
Architectural Coating	30	0	20	0	8.5	0
<b>Total Construction Worker Fuel Consumption</b>						<b>210,612</b>

Notes:

(1) Assumptions for the hauling trip length and vehicle miles traveled are consistent with CalEEMod 2016.3.2 defaults.

**Table 31**  
**Estimated Vehicle Operations Fuel Consumption**

Vehicle Type	Vehicle Mix	Number of Vehicles	Average Trip Length (miles) <sup>1</sup>	Daily VMT	Average Fuel Economy (mpg)	Total Gallons per Day	Total Annual Fuel Consumption (gallons)
Light Auto	Automobile	617	40.0	24,680	28.57	863.84	315,303
Light Truck	Automobile	51	40.0	2,040	14.08	144.89	52,884
Light Truck	Automobile	230	40.0	9,200	14.08	653.41	238,494
Medium Truck	Automobile	136	6.9	938	8.50	110.40	40,296
Light Heavy Truck	2-Axle Truck	18	6.9	124	8.50	14.61	5,333
Light Heavy Truck 10,000 lbs +	2-Axle Truck	7	6.9	48	8.50	5.68	2,074
Medium Heavy Truck	3-Axle Truck	23	6.9	159	5.85	27.13	9,902
Heavy Heavy Truck	4-Axle Truck	35	40.0	1,400	5.85	239.32	87,350
Total		1,129	--	38,590	11.74	2059.28	--
<b>Total Annual Fuel Consumption</b>							<b>751,636</b>

Notes:

(1) Based on the size of the site and relative location, trips were assumed to be local rather than regional.

**Table 32**  
**Project Annual Operational Energy Demand Summary**

Natural Gas Demand	kBTU/year <sup>1</sup>
General Office Building	186,182
Manufacturing	4,146,560
Unrefrigerated Warehouse - No Rail	341,045
Total	4,332,742

Mitigated Electricity Demand	kWh/year
General Office Building	253,757
Manufacturing	1,453,660
Unrefrigerated Warehouse - No Rail	303,175
Total	1,707,417

Notes:

(1) Taken from the CalEEMod 2016.3.2 annual output (Appendix D of this report).

## 6. EMISSIONS REDUCTION MEASURES

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### CONSTRUCTION MEASURES

*Adherence to SCAQMD Rule 403 is required.*

### OPERATIONAL MEASURES

The measures listed below are either required through regulation (compliance with Title 24, CALGreen for example) and/or part of the project's sustainable design.

Measure 1. The project applicant shall require that all faucets, toilets and showers installed in the proposed structures utilize low-flow fixtures that would reduce indoor water demand by 20% per CALGreen Standards.

Measure 2. The project applicant shall require recycling programs that reduces waste to landfills by a minimum 75 percent per AB 341.

Measure 3. The project applicant shall provide sidewalks on-site and connecting off-site.

Measure 4. The project applicant shall require that ENERGY STAR-compliant appliances are installed wherever appliances are required on-site.

Measure 5. The project applicant shall require that high-efficiency lighting (such as LED lighting that is 34 percent more efficient than fluorescent lighting) be installed within buildings on-site.

Measure 6. The project applicant shall require water-efficient irrigation systems be installed on-site.

## 7. REFERENCES

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### California Air Pollution Control Officers Association

2009 Health Risk Assessments for Proposed Land Use Projects

### California Air Resources Board

2008 Resolution 08-43

2008 Recommended Approaches for Setting Interim Significance Thresholds for Greenhouse Gases under the California Environmental Quality Act

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

2008 Climate Change Scoping Plan, a framework for change.

2011 Supplement to the AB 32 Scoping Plan Functional Equivalent Document

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

2014 First Update to the Climate Change Scoping Plan, Building on the Framework Pursuant to AB32, the California Global Warming Solutions Act of 2006. May.

2017 California's 2017 Climate Change Scoping Plan. November.

2020 Historical Air Quality, Top 4 Summary

### City of Torrance

2010 City of Torrance General Plan. April 6.

2017 City of Torrance Climate Action Plan. December.

### Governor's Office of Planning and Research

2008 CEQA and Climate: Addressing Climate Change Through California Environmental Quality Act (CEQA) Review

2018 CEQA Guideline Sections to be Added or Amended

### Intergovernmental Panel on Climate Change (IPCC).

2014 IPCC Fifth Assessment Report, Climate Change 2014: Synthesis Report

### Linscott Law & Greenspan Engineers

2019 2555 W. 190<sup>th</sup> Street Warehouse/Manufacturing Project. July 29.

## **Office of Environmental Health Hazard Assessment**

2015 Air Toxics Hot Spots Program Risk Assessment Guidelines

## **South Coast Air Quality Management District**

1993 CEQA Air Quality Handbook

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

2005 Rule 403 Fugitive Dust

2007 2007 Air Quality Management Plan

2008 Final Localized Significance Threshold Methodology, Revised

2012 Final 2012 Air Quality Management Plan

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

2016 2016 Air Quality Management Plan

2018 Historical Data by Year. 2013, 2014 and 2015 Air Quality Data Tables.  
Source: <http://www.aqmd.gov/home/library/air-quality-data-studies/historical-data-by-year>

## **Southern California Association of Governments**

2016 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy

## **U.S. Environmental Protection Agency (EPA)**

2017 Understanding Global Warming Potentials  
(Source: <https://www.epa.gov/ghgemissions/understanding-global-warming-potentials>)

## **U.S. Geological Survey**

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

## APPENDICES

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Appendix A Glossary of Terms

Appendix B CalEEMod Model Daily Emissions Printouts

Appendix C AERMOD Model Printouts

Appendix D CalEEMod Model Annual Emissions Printouts



**APPENDIX A**  
**GLOSSARY OF TERMS**

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 <sub>4</sub>	Methane
CNG	Compressed natural gas
CO	Carbon monoxide
CO <sub>2</sub>	Carbon dioxide
CO <sub>2</sub> e	Carbon dioxide equivalent
DPM	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 <sub>2</sub> e	Metric tons of carbon dioxide equivalent
MMTCO <sub>2</sub> e	Million metric tons of carbon dioxide equivalent
MPO	Metropolitan Planning Organization
NAAQS	National Ambient Air Quality Standards
NO <sub>x</sub>	Nitrogen Oxides
NO <sub>2</sub>	Nitrogen dioxide
N <sub>2</sub> O	Nitrous oxide
O <sub>3</sub>	Ozone
OPR	Governor's Office of Planning and Research
PFCs	Perfluorocarbons
PM	Particle matter
PM <sub>10</sub>	Particles that are less than 10 micrometers in diameter
PM <sub>2.5</sub>	Particles that are less than 2.5 micrometers in diameter
PMI	Point of maximum impact
PPM	Parts per million
PPB	Parts per billion
RTIP	Regional Transportation Improvement Plan
RTP	Regional Transportation Plan
SANBAG	San Bernardino Association of Governments
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SSAB	Salton Sea Air Basin
SF <sub>6</sub>	Sulfur hexafluoride
SIP	State Implementation Plan
SO <sub>x</sub>	Sulfur Oxides
TAC	Toxic air contaminants
VOC	Volatile organic compounds

**APPENDIX B**

**CALEEMOD MODEL DAILY EMISSIONS PRINTOUTS**

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**19260 190th Street Warehouse**  
**Los Angeles-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	20.37	1000sqft	0.13	20,370.00	0
Manufacturing	198.40	1000sqft	4.55	198,400.00	0
Unrefrigerated Warehouse-No Rail	86.78	1000sqft	1.99	86,780.00	0
Other Non-Asphalt Surfaces	0.90	Acre	0.90	39,204.00	0
Parking Lot	636.00	Space	5.72	254,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	8			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

Project Characteristics -

Land Use - 13.29 gross ac w/ (total bldg footprint is 291TSF) 86.78TSF warehouse, 198.4TSF manufacturing, 20.37TSF office (includes ~14,550sf mezzanine), parking lot w/ 636 stalls, & rmdr detention basins/landscaping ~0.9 ac.

Construction Phase - Demolition anticipated to begin no earlier than mid-June 2020. All other site work & building construction anticipated to begin May 2021 and be completed by May 2022.

Off-road Equipment - CalEEMod default building construction timing decreased by ~33%; therefore, ~33% more equipment needed than CalEEMod defaults.

Off-road Equipment - Site Preparation of ~70% of site (~9.3 ac) to remove existing asphalt parking lot; therefore, only ~70% of CalEEMod default equipment needed for site preparation.

Trips and VMT -

Demolition - Demolition of an existing ~162,504 sf building.

Grading - Site Preparation of ~70% of site (~9.3 ac) to remove existing asphalt parking lot. ~19,930 CY import during grading.

Architectural Coating - SCAQMD Rule 1113 limits architectural coatings to 50g/L VOC for buildings & 100g/L VOC for parking lot striping.

Vehicle Trips - Per TIA, 1.74trips/TSF warehouse (non-PCE), 3.93trips/TSF manufacturing (non-PCE), & 9.74trips/TSf office. ITE10th Ed used Sat/Sun for warehouse & office. Truck trips 40 miles one-way. Trip % 20.4% C-W & 79.57% C-NW warehouse/manufacturing.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - ~0.02 miles NW Transit Rte 6 stop 190th/Honeywell & ~1.76 miles NE dwntwn Torrance. Sidewalks on/off site. LA County 1emp/1,306sf industrial & 1emp/302sf office = 285emp/6.68ac (job ac=bldg ftrprt only)= 42.7jobs/jb ac.

Energy Mitigation - Lighting that is ~34% more efficient than standard. EnergyStar appliances to be used on-site.

Water Mitigation - 20% indoor water reduction per CalGreen Standards. Water-efficient irrigation systems.

Waste Mitigation - AB 341 requires each jurisdiction in CA divert at least 75% of their waste away from landfills by 2020.

Fleet Mix - Revised vehicle mix per TIA of 79.57% autos, 3.46% 2 axle trucks, 4.64% 3 axle trucks, & 12.33% 4+ axle trucks for warehouse & manufacturing.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	300.00	200.00
tblConstructionPhase	NumDays	20.00	30.00
tblFleetMix	HHD	0.03	0.12
tblFleetMix	HHD	0.03	0.12

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

tblFleetMix	LDA	0.55	0.47
tblFleetMix	LDA	0.55	0.47
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.20	0.18
tblFleetMix	LDT2	0.20	0.18
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	6.1960e-003	9.7730e-003
tblFleetMix	LHD2	6.1960e-003	9.7730e-003
tblFleetMix	MCY	5.1420e-003	4.4430e-003
tblFleetMix	MCY	5.1420e-003	4.4430e-003
tblFleetMix	MDV	0.12	0.10
tblFleetMix	MDV	0.12	0.10
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.05
tblFleetMix	MHD	0.02	0.05
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblGrading	AcresOfGrading	0.00	9.30
tblGrading	MaterialImported	0.00	19,930.00
tblLandUse	LotAcreage	0.47	0.13

## 19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	79.57
tblVehicleTrips	CNW_TTP	41.00	79.57
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	59.00	20.43
tblVehicleTrips	CW_TTP	59.00	20.43
tblVehicleTrips	ST_TR	2.46	2.21
tblVehicleTrips	ST_TR	1.49	3.93
tblVehicleTrips	ST_TR	1.68	0.15
tblVehicleTrips	SU_TR	1.05	0.70
tblVehicleTrips	SU_TR	0.62	3.93
tblVehicleTrips	SU_TR	1.68	0.06
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	3.82	3.93
tblVehicleTrips	WD_TR	1.68	1.74

## 2.0 Emissions Summary

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19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.7039	43.8748	24.7643	0.0698	8.8118	1.6940	10.5058	1.4325	1.5756	3.0081	0.0000	7,086.4204	7,086.4204	1.2788	0.0000	7,118.3893
2021	4.9692	68.7319	36.9064	0.1291	13.1758	2.0555	14.5772	6.7655	1.8936	8.0548	0.0000	13,263.1229	13,263.1229	2.4265	0.0000	13,323.7849
2022	55.8242	43.4850	53.6043	0.1232	4.1484	1.7989	5.9472	1.1144	1.6907	2.8052	0.0000	12,209.3969	12,209.3969	1.7558	0.0000	12,253.2910
<b>Maximum</b>	<b>55.8242</b>	<b>68.7319</b>	<b>53.6043</b>	<b>0.1291</b>	<b>13.1758</b>	<b>2.0555</b>	<b>14.5772</b>	<b>6.7655</b>	<b>1.8936</b>	<b>8.0548</b>	<b>0.0000</b>	<b>13,263.1229</b>	<b>13,263.1229</b>	<b>2.4265</b>	<b>0.0000</b>	<b>13,323.7849</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.7039	43.8748	24.7643	0.0698	3.9330	1.6940	5.6270	0.6938	1.5756	2.2694	0.0000	7,086.4204	7,086.4204	1.2788	0.0000	7,118.3893
2021	4.9692	68.7319	36.9064	0.1291	5.2272	2.0555	7.1428	2.6621	1.8936	3.9513	0.0000	13,263.1229	13,263.1229	2.4265	0.0000	13,323.7849
2022	55.8242	43.4850	53.6043	0.1232	4.1484	1.7989	5.9472	1.1144	1.6907	2.8052	0.0000	12,209.3969	12,209.3969	1.7558	0.0000	12,253.2910
<b>Maximum</b>	<b>55.8242</b>	<b>68.7319</b>	<b>53.6043</b>	<b>0.1291</b>	<b>5.2272</b>	<b>2.0555</b>	<b>7.1428</b>	<b>2.6621</b>	<b>1.8936</b>	<b>3.9513</b>	<b>0.0000</b>	<b>13,263.1229</b>	<b>13,263.1229</b>	<b>2.4265</b>	<b>0.0000</b>	<b>13,323.7849</b>



## 19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	49.08	0.00	39.68	52.00	0.00	34.92	0.00	0.00	0.00	0.00	0.00	0.00

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9612	8.8000e-004	0.0964	1.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004		0.2063	0.2063	5.4000e-004		0.2199
Energy	0.1381	1.2554	1.0545	7.5300e-003		0.0954	0.0954		0.0954	0.0954		1,506.4584	1,506.4584	0.0289	0.0276	1,515.4105
Mobile	2.5792	28.3006	34.6603	0.1696	10.6917	0.1322	10.8238	2.8735	0.1243	2.9977		17,553.8360	17,553.8360	0.8140		17,574.1863
<b>Total</b>	<b>9.6785</b>	<b>29.5569</b>	<b>35.8112</b>	<b>0.1772</b>	<b>10.6917</b>	<b>0.2279</b>	<b>10.9196</b>	<b>2.8735</b>	<b>0.2200</b>	<b>3.0935</b>		<b>19,060.5007</b>	<b>19,060.5007</b>	<b>0.8434</b>	<b>0.0276</b>	<b>19,089.8167</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9612	8.8000e-004	0.0964	1.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004		0.2063	0.2063	5.4000e-004		0.2199
Energy	0.1381	1.2554	1.0545	7.5300e-003		0.0954	0.0954		0.0954	0.0954		1,506.4584	1,506.4584	0.0289	0.0276	1,515.4105
Mobile	1.9635	21.3594	21.7824	0.1026	6.0859	0.0788	6.1647	1.6356	0.0741	1.7097		10,634.2239	10,634.2239	0.5486		10,647.9394
<b>Total</b>	<b>9.0628</b>	<b>22.6157</b>	<b>22.9333</b>	<b>0.1101</b>	<b>6.0859</b>	<b>0.1745</b>	<b>6.2604</b>	<b>1.6356</b>	<b>0.1698</b>	<b>1.8054</b>		<b>12,140.8886</b>	<b>12,140.8886</b>	<b>0.5780</b>	<b>0.0276</b>	<b>12,163.5698</b>

## 19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.36	23.48	35.96	37.85	43.08	23.43	42.67	43.08	22.83	41.64	0.00	36.30	36.30	31.47	0.00	36.28

### 3.0 Construction Detail

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/15/2020	7/10/2020	5	20	
2	Site Preparation	Site Preparation	5/1/2021	5/14/2021	5	10	
3	Grading	Grading	5/15/2021	6/25/2021	5	30	
4	Building Construction	Building Construction	6/26/2021	4/2/2022	5	200	
5	Paving	Paving	3/21/2022	4/15/2022	5	20	
6	Architectural Coating	Architectural Coating	3/22/2022	5/2/2022	5	30	

**Acres of Grading (Site Preparation Phase): 9.3**

**Acres of Grading (Grading Phase): 75**

**Acres of Paving: 6.62**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 458,325; Non-Residential Outdoor: 152,775; Striped Parking Area: 17,616 (Architectural Coating – sqft)**

#### OffRoad Equipment

## 19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	739.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	2,491.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	250.00	98.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.9981	0.0000	7.9981	1.2110	0.0000	1.2110			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>7.9981</b>	<b>1.6587</b>	<b>9.6568</b>	<b>1.2110</b>	<b>1.5419</b>	<b>2.7528</b>		<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**3.2 Demolition - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3228	10.6246	2.3543	0.0292	0.6461	0.0339	0.6800	0.1771	0.0324	0.2095		3,162.2986	3,162.2986	0.2153		3,167.6797
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
<b>Total</b>	<b>0.3918</b>	<b>10.6737</b>	<b>3.0111</b>	<b>0.0310</b>	<b>0.8137</b>	<b>0.0353</b>	<b>0.8490</b>	<b>0.2216</b>	<b>0.0337</b>	<b>0.2553</b>		<b>3,338.7155</b>	<b>3,338.7155</b>	<b>0.2208</b>		<b>3,344.2357</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1193	0.0000	3.1193	0.4723	0.0000	0.4723			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>3.1193</b>	<b>1.6587</b>	<b>4.7780</b>	<b>0.4723</b>	<b>1.5419</b>	<b>2.0141</b>	<b>0.0000</b>	<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**3.2 Demolition - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3228	10.6246	2.3543	0.0292	0.6461	0.0339	0.6800	0.1771	0.0324	0.2095		3,162.2986	3,162.2986	0.2153		3,167.6797
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
<b>Total</b>	<b>0.3918</b>	<b>10.6737</b>	<b>3.0111</b>	<b>0.0310</b>	<b>0.8137</b>	<b>0.0353</b>	<b>0.8490</b>	<b>0.2216</b>	<b>0.0337</b>	<b>0.2553</b>		<b>3,338.7155</b>	<b>3,338.7155</b>	<b>0.2208</b>		<b>3,344.2357</b>

**3.3 Site Preparation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.0304	0.0000	13.0304	6.7270	0.0000	6.7270			0.0000			0.0000
Off-Road	2.6545	27.6300	14.8563	0.0264		1.4002	1.4002		1.2882	1.2882		2,557.4046	2,557.4046	0.8271		2,578.0825
<b>Total</b>	<b>2.6545</b>	<b>27.6300</b>	<b>14.8563</b>	<b>0.0264</b>	<b>13.0304</b>	<b>1.4002</b>	<b>14.4307</b>	<b>6.7270</b>	<b>1.2882</b>	<b>8.0152</b>		<b>2,557.4046</b>	<b>2,557.4046</b>	<b>0.8271</b>		<b>2,578.0825</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**3.3 Site Preparation - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0557	0.0383	0.5236	1.4900e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		148.0401	148.0401	4.3600e-003		148.1491
<b>Total</b>	<b>0.0557</b>	<b>0.0383</b>	<b>0.5236</b>	<b>1.4900e-003</b>	<b>0.1453</b>	<b>1.1700e-003</b>	<b>0.1465</b>	<b>0.0385</b>	<b>1.0800e-003</b>	<b>0.0396</b>		<b>148.0401</b>	<b>148.0401</b>	<b>4.3600e-003</b>		<b>148.1491</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0819	0.0000	5.0819	2.6235	0.0000	2.6235			0.0000			0.0000
Off-Road	2.6545	27.6300	14.8563	0.0264		1.4002	1.4002		1.2882	1.2882	0.0000	2,557.4046	2,557.4046	0.8271		2,578.0825
<b>Total</b>	<b>2.6545</b>	<b>27.6300</b>	<b>14.8563</b>	<b>0.0264</b>	<b>5.0819</b>	<b>1.4002</b>	<b>6.4821</b>	<b>2.6235</b>	<b>1.2882</b>	<b>3.9117</b>	<b>0.0000</b>	<b>2,557.4046</b>	<b>2,557.4046</b>	<b>0.8271</b>		<b>2,578.0825</b>



19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**3.3 Site Preparation - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0557	0.0383	0.5236	1.4900e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		148.0401	148.0401	4.3600e-003		148.1491
<b>Total</b>	<b>0.0557</b>	<b>0.0383</b>	<b>0.5236</b>	<b>1.4900e-003</b>	<b>0.1453</b>	<b>1.1700e-003</b>	<b>0.1465</b>	<b>0.0385</b>	<b>1.0800e-003</b>	<b>0.0396</b>		<b>148.0401</b>	<b>148.0401</b>	<b>4.3600e-003</b>		<b>148.1491</b>

**3.4 Grading - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.7485	0.0000	8.7485	3.6079	0.0000	3.6079			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
<b>Total</b>	<b>4.1912</b>	<b>46.3998</b>	<b>30.8785</b>	<b>0.0620</b>	<b>8.7485</b>	<b>1.9853</b>	<b>10.7338</b>	<b>3.6079</b>	<b>1.8265</b>	<b>5.4344</b>		<b>6,007.0434</b>	<b>6,007.0434</b>	<b>1.9428</b>		<b>6,055.6134</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**3.4 Grading - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6923	22.2732	5.2224	0.0648	1.4519	0.0684	1.5202	0.3980	0.0654	0.4634		7,028.3255	7,028.3255	0.4770		7,040.2497
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217
<b>Total</b>	<b>0.7781</b>	<b>22.3321</b>	<b>6.0280</b>	<b>0.0671</b>	<b>1.6754</b>	<b>0.0702</b>	<b>1.7456</b>	<b>0.4573</b>	<b>0.0671</b>	<b>0.5243</b>		<b>7,256.0795</b>	<b>7,256.0795</b>	<b>0.4837</b>		<b>7,268.1715</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4119	0.0000	3.4119	1.4071	0.0000	1.4071			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
<b>Total</b>	<b>4.1912</b>	<b>46.3998</b>	<b>30.8785</b>	<b>0.0620</b>	<b>3.4119</b>	<b>1.9853</b>	<b>5.3972</b>	<b>1.4071</b>	<b>1.8265</b>	<b>3.2336</b>	<b>0.0000</b>	<b>6,007.0434</b>	<b>6,007.0434</b>	<b>1.9428</b>		<b>6,055.6134</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**3.4 Grading - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6923	22.2732	5.2224	0.0648	1.4519	0.0684	1.5202	0.3980	0.0654	0.4634		7,028.3255	7,028.3255	0.4770		7,040.2497
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217
<b>Total</b>	<b>0.7781</b>	<b>22.3321</b>	<b>6.0280</b>	<b>0.0671</b>	<b>1.6754</b>	<b>0.0702</b>	<b>1.7456</b>	<b>0.4573</b>	<b>0.0671</b>	<b>0.5243</b>		<b>7,256.0795</b>	<b>7,256.0795</b>	<b>0.4837</b>		<b>7,268.1715</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5515	23.4362	23.4055	0.0377		1.3079	1.3079		1.2360	1.2360		3,587.7169	3,587.7169	0.7808		3,607.2378
<b>Total</b>	<b>2.5515</b>	<b>23.4362</b>	<b>23.4055</b>	<b>0.0377</b>		<b>1.3079</b>	<b>1.3079</b>		<b>1.2360</b>	<b>1.2360</b>		<b>3,587.7169</b>	<b>3,587.7169</b>	<b>0.7808</b>		<b>3,607.2378</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2979	9.5148	2.4874	0.0252	0.6274	0.0195	0.6469	0.1806	0.0186	0.1993		2,693.8302	2,693.8302	0.1587		2,697.7977
Worker	1.0716	0.7366	10.0694	0.0286	2.7944	0.0226	2.8170	0.7411	0.0208	0.7619		2,846.9246	2,846.9246	0.0839		2,849.0217
<b>Total</b>	<b>1.3695</b>	<b>10.2514</b>	<b>12.5568</b>	<b>0.0538</b>	<b>3.4218</b>	<b>0.0420</b>	<b>3.4639</b>	<b>0.9217</b>	<b>0.0394</b>	<b>0.9611</b>		<b>5,540.7548</b>	<b>5,540.7548</b>	<b>0.2426</b>		<b>5,546.8195</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5515	23.4362	23.4055	0.0377		1.3079	1.3079		1.2360	1.2360	0.0000	3,587.7169	3,587.7169	0.7808		3,607.2378
<b>Total</b>	<b>2.5515</b>	<b>23.4362</b>	<b>23.4055</b>	<b>0.0377</b>		<b>1.3079</b>	<b>1.3079</b>		<b>1.2360</b>	<b>1.2360</b>	<b>0.0000</b>	<b>3,587.7169</b>	<b>3,587.7169</b>	<b>0.7808</b>		<b>3,607.2378</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2979	9.5148	2.4874	0.0252	0.6274	0.0195	0.6469	0.1806	0.0186	0.1993		2,693.8302	2,693.8302	0.1587		2,697.7977
Worker	1.0716	0.7366	10.0694	0.0286	2.7944	0.0226	2.8170	0.7411	0.0208	0.7619		2,846.9246	2,846.9246	0.0839		2,849.0217
<b>Total</b>	<b>1.3695</b>	<b>10.2514</b>	<b>12.5568</b>	<b>0.0538</b>	<b>3.4218</b>	<b>0.0420</b>	<b>3.4639</b>	<b>0.9217</b>	<b>0.0394</b>	<b>0.9611</b>		<b>5,540.7548</b>	<b>5,540.7548</b>	<b>0.2426</b>		<b>5,546.8195</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2940	21.0650	23.1513	0.0378		1.1047	1.1047		1.0449	1.0449		3,588.9831	3,588.9831	0.7747		3,608.3498
<b>Total</b>	<b>2.2940</b>	<b>21.0650</b>	<b>23.1513</b>	<b>0.0378</b>		<b>1.1047</b>	<b>1.1047</b>		<b>1.0449</b>	<b>1.0449</b>		<b>3,588.9831</b>	<b>3,588.9831</b>	<b>0.7747</b>		<b>3,608.3498</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2796	9.0484	2.3535	0.0250	0.6274	0.0170	0.6444	0.1807	0.0163	0.1969		2,670.3617	2,670.3617	0.1532		2,674.1928
Worker	1.0038	0.6654	9.2901	0.0276	2.7944	0.0219	2.8163	0.7411	0.0202	0.7612		2,746.7808	2,746.7808	0.0758		2,748.6761
<b>Total</b>	<b>1.2834</b>	<b>9.7137</b>	<b>11.6435</b>	<b>0.0525</b>	<b>3.4218</b>	<b>0.0389</b>	<b>3.4607</b>	<b>0.9217</b>	<b>0.0364</b>	<b>0.9582</b>		<b>5,417.1425</b>	<b>5,417.1425</b>	<b>0.2291</b>		<b>5,422.8689</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2940	21.0650	23.1513	0.0378		1.1047	1.1047		1.0449	1.0449	0.0000	3,588.9831	3,588.9831	0.7747		3,608.3498
<b>Total</b>	<b>2.2940</b>	<b>21.0650</b>	<b>23.1513</b>	<b>0.0378</b>		<b>1.1047</b>	<b>1.1047</b>		<b>1.0449</b>	<b>1.0449</b>	<b>0.0000</b>	<b>3,588.9831</b>	<b>3,588.9831</b>	<b>0.7747</b>		<b>3,608.3498</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2796	9.0484	2.3535	0.0250	0.6274	0.0170	0.6444	0.1807	0.0163	0.1969		2,670.3617	2,670.3617	0.1532		2,674.1928
Worker	1.0038	0.6654	9.2901	0.0276	2.7944	0.0219	2.8163	0.7411	0.0202	0.7612		2,746.7808	2,746.7808	0.0758		2,748.6761
<b>Total</b>	<b>1.2834</b>	<b>9.7137</b>	<b>11.6435</b>	<b>0.0525</b>	<b>3.4218</b>	<b>0.0389</b>	<b>3.4607</b>	<b>0.9217</b>	<b>0.0364</b>	<b>0.9582</b>		<b>5,417.1425</b>	<b>5,417.1425</b>	<b>0.2291</b>		<b>5,422.8689</b>

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.7493					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8521</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>		<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
<b>Total</b>	<b>0.0602</b>	<b>0.0399</b>	<b>0.5574</b>	<b>1.6500e-003</b>	<b>0.1677</b>	<b>1.3100e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.2100e-003</b>	<b>0.0457</b>		<b>164.8069</b>	<b>164.8069</b>	<b>4.5500e-003</b>		<b>164.9206</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.7493					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8521</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>0.0000</b>	<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>



19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
<b>Total</b>	<b>0.0602</b>	<b>0.0399</b>	<b>0.5574</b>	<b>1.6500e-003</b>	<b>0.1677</b>	<b>1.3100e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.2100e-003</b>	<b>0.0457</b>		<b>164.8069</b>	<b>164.8069</b>	<b>4.5500e-003</b>		<b>164.9206</b>

**3.7 Architectural Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.9292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>50.1337</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**3.7 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2008	0.1331	1.8580	5.5100e-003	0.5589	4.3700e-003	0.5633	0.1482	4.0300e-003	0.1523		549.3562	549.3562	0.0152		549.7352
<b>Total</b>	<b>0.2008</b>	<b>0.1331</b>	<b>1.8580</b>	<b>5.5100e-003</b>	<b>0.5589</b>	<b>4.3700e-003</b>	<b>0.5633</b>	<b>0.1482</b>	<b>4.0300e-003</b>	<b>0.1523</b>		<b>549.3562</b>	<b>549.3562</b>	<b>0.0152</b>		<b>549.7352</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.9292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>50.1337</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**3.7 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2008	0.1331	1.8580	5.5100e-003	0.5589	4.3700e-003	0.5633	0.1482	4.0300e-003	0.1523		549.3562	549.3562	0.0152		549.7352
<b>Total</b>	<b>0.2008</b>	<b>0.1331</b>	<b>1.8580</b>	<b>5.5100e-003</b>	<b>0.5589</b>	<b>4.3700e-003</b>	<b>0.5633</b>	<b>0.1482</b>	<b>4.0300e-003</b>	<b>0.1523</b>		<b>549.3562</b>	<b>549.3562</b>	<b>0.0152</b>		<b>549.7352</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

Improve Pedestrian Network

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9635	21.3594	21.7824	0.1026	6.0859	0.0788	6.1647	1.6356	0.0741	1.7097		10,634.22 39	10,634.22 39	0.5486		10,647.93 94
Unmitigated	2.5792	28.3006	34.6603	0.1696	10.6917	0.1322	10.8238	2.8735	0.1243	2.9977		17,553.83 60	17,553.83 60	0.8140		17,574.18 63

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	198.40	45.02	14.26	483,815	275,397
Manufacturing	779.71	779.71	779.71	3,616,692	2,058,687
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	151.00	13.02	5.21	512,362	291,646
<b>Total</b>	<b>1,129.11</b>	<b>837.75</b>	<b>799.18</b>	<b>4,612,869</b>	<b>2,625,729</b>

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Manufacturing	40.00	8.40	6.90	20.43	0.00	79.57	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	40.00	8.40	6.90	20.43	0.00	79.57	92	5	3

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Manufacturing	0.472164	0.038845	0.176265	0.103984	0.024827	0.009773	0.046400	0.123300	0.000000	0.000000	0.004443	0.000000	0.000000
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Unrefrigerated Warehouse-No Rail	0.472164	0.038845	0.176265	0.103984	0.024827	0.009773	0.046400	0.123300	0.000000	0.000000	0.004443	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Install High Efficiency Lighting

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1381	1.2554	1.0545	7.5300e-003		0.0954	0.0954		0.0954	0.0954		1,506.4584	1,506.4584	0.0289	0.0276	1,515.4105
NaturalGas Unmitigated	0.1381	1.2554	1.0545	7.5300e-003		0.0954	0.0954		0.0954	0.0954		1,506.4584	1,506.4584	0.0289	0.0276	1,515.4105

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	510.087	5.5000e-003	0.0500	0.0420	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003		60.0103	60.0103	1.1500e-003	1.1000e-003	60.3669
Manufacturing	11360.4	0.1225	1.1138	0.9356	6.6800e-003		0.0847	0.0847		0.0847	0.0847		1,336.5222	1,336.5222	0.0256	0.0245	1,344.4644
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	934.371	0.0101	0.0916	0.0770	5.5000e-004		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003		109.9260	109.9260	2.1100e-003	2.0200e-003	110.5792
<b>Total</b>		<b>0.1381</b>	<b>1.2554</b>	<b>1.0545</b>	<b>7.5300e-003</b>		<b>0.0954</b>	<b>0.0954</b>		<b>0.0954</b>	<b>0.0954</b>		<b>1,506.4584</b>	<b>1,506.4584</b>	<b>0.0289</b>	<b>0.0276</b>	<b>1,515.4105</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.510087	5.5000e-003	0.0500	0.0420	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003		60.0103	60.0103	1.1500e-003	1.1000e-003	60.3669
Manufacturing	11.3604	0.1225	1.1138	0.9356	6.6800e-003		0.0847	0.0847		0.0847	0.0847		1,336.5222	1,336.5222	0.0256	0.0245	1,344.4644
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.934371	0.0101	0.0916	0.0770	5.5000e-004		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003		109.9260	109.9260	2.1100e-003	2.0200e-003	110.5792
<b>Total</b>		<b>0.1381</b>	<b>1.2554</b>	<b>1.0545</b>	<b>7.5300e-003</b>		<b>0.0954</b>	<b>0.0954</b>		<b>0.0954</b>	<b>0.0954</b>		<b>1,506.4584</b>	<b>1,506.4584</b>	<b>0.0289</b>	<b>0.0276</b>	<b>1,515.4105</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.9612	8.8000e-004	0.0964	1.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004		0.2063	0.2063	5.4000e-004		0.2199
Unmitigated	6.9612	8.8000e-004	0.0964	1.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004		0.2063	0.2063	5.4000e-004		0.2199

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.9600e-003	8.8000e-004	0.0964	1.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004		0.2063	0.2063	5.4000e-004		0.2199
<b>Total</b>	<b>6.9612</b>	<b>8.8000e-004</b>	<b>0.0964</b>	<b>1.0000e-005</b>		<b>3.4000e-004</b>	<b>3.4000e-004</b>		<b>3.4000e-004</b>	<b>3.4000e-004</b>		<b>0.2063</b>	<b>0.2063</b>	<b>5.4000e-004</b>		<b>0.2199</b>



19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.9600e-003	8.8000e-004	0.0964	1.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004		0.2063	0.2063	5.4000e-004		0.2199
<b>Total</b>	<b>6.9612</b>	<b>8.8000e-004</b>	<b>0.0964</b>	<b>1.0000e-005</b>		<b>3.4000e-004</b>	<b>3.4000e-004</b>		<b>3.4000e-004</b>	<b>3.4000e-004</b>		<b>0.2063</b>	<b>0.2063</b>	<b>5.4000e-004</b>		<b>0.2199</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

- Apply Water Conservation Strategy
- Use Water Efficient Irrigation System

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

- Institute Recycling and Composting Services

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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19260 190th Street Warehouse - Los Angeles-South Coast County, Summer

## 10.0 Stationary Equipment

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### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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### User Defined Equipment

Equipment Type	Number
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## 11.0 Vegetation

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19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**19260 190th Street Warehouse**  
**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	20.37	1000sqft	0.13	20,370.00	0
Manufacturing	198.40	1000sqft	4.55	198,400.00	0
Unrefrigerated Warehouse-No Rail	86.78	1000sqft	1.99	86,780.00	0
Other Non-Asphalt Surfaces	0.90	Acre	0.90	39,204.00	0
Parking Lot	636.00	Space	5.72	254,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	8			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

Project Characteristics -

Land Use - 13.29 gross ac w/ (total bldg footprint is 291TSF) 86.78TSF warehouse, 198.4TSF manufacturing, 20.37TSF office (includes ~14,550sf mezzanine), parking lot w/ 636 stalls, & rmdr detention basins/landscaping ~0.9 ac.

Construction Phase - Demolition anticipated to begin no earlier than mid-June 2020. All other site work & building construction anticipated to begin May 2021 and be completed by May 2022.

Off-road Equipment - CalEEMod default building construction timing decreased by ~33%; therefore, ~33% more equipment needed than CalEEMod defaults.

Off-road Equipment - Site Preparation of ~70% of site (~9.3 ac) to remove existing asphalt parking lot; therefore, only ~70% of CalEEMod default equipment needed for site preparation.

Trips and VMT -

Demolition - Demolition of an existing ~162,504 sf building.

Grading - Site Preparation of ~70% of site (~9.3 ac) to remove existing asphalt parking lot. ~19,930 CY import during grading.

Architectural Coating - SCAQMD Rule 1113 limits architectural coatings to 50g/L VOC for buildings & 100g/L VOC for parking lot striping.

Vehicle Trips - Per TIA, 1.74trips/TSF warehouse (non-PCE), 3.93trips/TSF manufacturing (non-PCE), & 9.74trips/TSf office. ITE10th Ed used Sat/Sun for warehouse & office. Truck trips 40 miles one-way. Trip % 20.4% C-W & 79.57% C-NW warehouse/manufacturing.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - ~0.02 miles NW Transit Rte 6 stop 190th/Honeywell & ~1.76 miles NE dwntwn Torrance. Sidewalks on/off site. LA County 1emp/1,306sf industrial & 1emp/302sf office = 285emp/6.68ac (job ac=bldg ftrprt only)= 42.7jobs/jb ac.

Energy Mitigation - Lighting that is ~34% more efficient than standard. EnergyStar appliances to be used on-site.

Water Mitigation - 20% indoor water reduction per CalGreen Standards. Water-efficient irrigation systems.

Waste Mitigation - AB 341 requires each jurisdiction in CA divert at least 75% of their waste away from landfills by 2020.

Fleet Mix - Revised vehicle mix per TIA of 79.57% autos, 3.46% 2 axle trucks, 4.64% 3 axle trucks, & 12.33% 4+ axle trucks for warehouse & manufacturing.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	300.00	200.00
tblConstructionPhase	NumDays	20.00	30.00
tblFleetMix	HHD	0.03	0.12
tblFleetMix	HHD	0.03	0.12

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

tblFleetMix	LDA	0.55	0.47
tblFleetMix	LDA	0.55	0.47
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.20	0.18
tblFleetMix	LDT2	0.20	0.18
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	6.1960e-003	9.7730e-003
tblFleetMix	LHD2	6.1960e-003	9.7730e-003
tblFleetMix	MCY	5.1420e-003	4.4430e-003
tblFleetMix	MCY	5.1420e-003	4.4430e-003
tblFleetMix	MDV	0.12	0.10
tblFleetMix	MDV	0.12	0.10
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.05
tblFleetMix	MHD	0.02	0.05
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblGrading	AcresOfGrading	0.00	9.30
tblGrading	MaterialImported	0.00	19,930.00
tblLandUse	LotAcreage	0.47	0.13

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	79.57
tblVehicleTrips	CNW_TTP	41.00	79.57
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	59.00	20.43
tblVehicleTrips	CW_TTP	59.00	20.43
tblVehicleTrips	ST_TR	2.46	2.21
tblVehicleTrips	ST_TR	1.49	3.93
tblVehicleTrips	ST_TR	1.68	0.15
tblVehicleTrips	SU_TR	1.05	0.70
tblVehicleTrips	SU_TR	0.62	3.93
tblVehicleTrips	SU_TR	1.68	0.06
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	3.82	3.93
tblVehicleTrips	WD_TR	1.68	1.74

**2.0 Emissions Summary**

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19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.7194	44.0175	24.8568	0.0692	8.8118	1.6945	10.5063	1.4325	1.5761	3.0086	0.0000	7,021.6606	7,021.6606	1.2863	0.0000	7,053.8170
2021	4.9955	69.0111	37.1527	0.1278	13.1758	2.0565	14.5772	6.7655	1.8946	8.0548	0.0000	13,128.0660	13,128.0660	2.4429	0.0000	13,189.1383
2022	55.9841	43.5499	52.8340	0.1205	4.1484	1.7994	5.9478	1.1144	1.6913	2.8057	0.0000	11,933.6939	11,933.6939	1.7599	0.0000	11,977.6921
<b>Maximum</b>	<b>55.9841</b>	<b>69.0111</b>	<b>52.8340</b>	<b>0.1278</b>	<b>13.1758</b>	<b>2.0565</b>	<b>14.5772</b>	<b>6.7655</b>	<b>1.8946</b>	<b>8.0548</b>	<b>0.0000</b>	<b>13,128.0660</b>	<b>13,128.0660</b>	<b>2.4429</b>	<b>0.0000</b>	<b>13,189.1383</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.7194	44.0175	24.8568	0.0692	3.9330	1.6945	5.6275	0.6938	1.5761	2.2699	0.0000	7,021.6606	7,021.6606	1.2863	0.0000	7,053.8169
2021	4.9955	69.0111	37.1527	0.1278	5.2272	2.0565	7.1439	2.6621	1.8946	3.9513	0.0000	13,128.0660	13,128.0660	2.4429	0.0000	13,189.1383
2022	55.9841	43.5499	52.8340	0.1205	4.1484	1.7994	5.9478	1.1144	1.6913	2.8057	0.0000	11,933.6939	11,933.6939	1.7599	0.0000	11,977.6921
<b>Maximum</b>	<b>55.9841</b>	<b>69.0111</b>	<b>52.8340</b>	<b>0.1278</b>	<b>5.2272</b>	<b>2.0565</b>	<b>7.1439</b>	<b>2.6621</b>	<b>1.8946</b>	<b>3.9513</b>	<b>0.0000</b>	<b>13,128.0660</b>	<b>13,128.0660</b>	<b>2.4429</b>	<b>0.0000</b>	<b>13,189.1383</b>

## 19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	49.08	0.00	39.68	52.00	0.00	34.91	0.00	0.00	0.00	0.00	0.00	0.00



19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9612	8.8000e-004	0.0964	1.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004		0.2063	0.2063	5.4000e-004		0.2199
Energy	0.1381	1.2554	1.0545	7.5300e-003		0.0954	0.0954		0.0954	0.0954		1,506.4584	1,506.4584	0.0289	0.0276	1,515.4105
Mobile	2.5410	28.6712	33.1803	0.1630	10.6917	0.1335	10.8252	2.8735	0.1256	2.9990		16,874.6474	16,874.6474	0.8275		16,895.3337
<b>Total</b>	<b>9.6403</b>	<b>29.9274</b>	<b>34.3312</b>	<b>0.1705</b>	<b>10.6917</b>	<b>0.2293</b>	<b>10.9209</b>	<b>2.8735</b>	<b>0.2213</b>	<b>3.0948</b>		<b>18,381.3121</b>	<b>18,381.3121</b>	<b>0.8569</b>	<b>0.0276</b>	<b>18,410.9641</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9612	8.8000e-004	0.0964	1.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004		0.2063	0.2063	5.4000e-004		0.2199
Energy	0.1381	1.2554	1.0545	7.5300e-003		0.0954	0.0954		0.0954	0.0954		1,506.4584	1,506.4584	0.0289	0.0276	1,515.4105
Mobile	1.9366	21.4029	21.4106	0.0981	6.0859	0.0801	6.1660	1.6356	0.0754	1.7110		10,170.6580	10,170.6580	0.5676		10,184.8480
<b>Total</b>	<b>9.0360</b>	<b>22.6592</b>	<b>22.5615</b>	<b>0.1056</b>	<b>6.0859</b>	<b>0.1759</b>	<b>6.2618</b>	<b>1.6356</b>	<b>0.1711</b>	<b>1.8067</b>		<b>11,677.3227</b>	<b>11,677.3227</b>	<b>0.5970</b>	<b>0.0276</b>	<b>11,700.4784</b>

## 19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.27	24.29	34.28	38.06	43.08	23.29	42.66	43.08	22.69	41.62	0.00	36.47	36.47	30.33	0.00	36.45

### 3.0 Construction Detail

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/15/2020	7/10/2020	5	20	
2	Site Preparation	Site Preparation	5/1/2021	5/14/2021	5	10	
3	Grading	Grading	5/15/2021	6/25/2021	5	30	
4	Building Construction	Building Construction	6/26/2021	4/2/2022	5	200	
5	Paving	Paving	3/21/2022	4/15/2022	5	20	
6	Architectural Coating	Architectural Coating	3/22/2022	5/2/2022	5	30	

**Acres of Grading (Site Preparation Phase): 9.3**

**Acres of Grading (Grading Phase): 75**

**Acres of Paving: 6.62**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 458,325; Non-Residential Outdoor: 152,775; Striped Parking Area: 17,616 (Architectural Coating – sqft)**

#### OffRoad Equipment

## 19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	739.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	2,491.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	250.00	98.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.9981	0.0000	7.9981	1.2110	0.0000	1.2110			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>7.9981</b>	<b>1.6587</b>	<b>9.6568</b>	<b>1.2110</b>	<b>1.5419</b>	<b>2.7528</b>		<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**3.2 Demolition - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3306	10.7622	2.5021	0.0287	0.6461	0.0344	0.6805	0.1771	0.0329	0.2100		3,107.8426	3,107.8426	0.2231		3,113.4194
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
<b>Total</b>	<b>0.4073</b>	<b>10.8165</b>	<b>3.1036</b>	<b>0.0304</b>	<b>0.8137</b>	<b>0.0358</b>	<b>0.8496</b>	<b>0.2216</b>	<b>0.0342</b>	<b>0.2558</b>		<b>3,273.9556</b>	<b>3,273.9556</b>	<b>0.2283</b>		<b>3,279.6633</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1193	0.0000	3.1193	0.4723	0.0000	0.4723			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>3.1193</b>	<b>1.6587</b>	<b>4.7780</b>	<b>0.4723</b>	<b>1.5419</b>	<b>2.0141</b>	<b>0.0000</b>	<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**3.2 Demolition - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3306	10.7622	2.5021	0.0287	0.6461	0.0344	0.6805	0.1771	0.0329	0.2100		3,107.8426	3,107.8426	0.2231		3,113.4194
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
<b>Total</b>	<b>0.4073</b>	<b>10.8165</b>	<b>3.1036</b>	<b>0.0304</b>	<b>0.8137</b>	<b>0.0358</b>	<b>0.8496</b>	<b>0.2216</b>	<b>0.0342</b>	<b>0.2558</b>		<b>3,273.9556</b>	<b>3,273.9556</b>	<b>0.2283</b>		<b>3,279.6633</b>

**3.3 Site Preparation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.0304	0.0000	13.0304	6.7270	0.0000	6.7270			0.0000			0.0000
Off-Road	2.6545	27.6300	14.8563	0.0264		1.4002	1.4002		1.2882	1.2882		2,557.4046	2,557.4046	0.8271		2,578.0825
<b>Total</b>	<b>2.6545</b>	<b>27.6300</b>	<b>14.8563</b>	<b>0.0264</b>	<b>13.0304</b>	<b>1.4002</b>	<b>14.4307</b>	<b>6.7270</b>	<b>1.2882</b>	<b>8.0152</b>		<b>2,557.4046</b>	<b>2,557.4046</b>	<b>0.8271</b>		<b>2,578.0825</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**3.3 Site Preparation - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0620	0.0424	0.4787	1.4000e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		139.3926	139.3926	4.1000e-003		139.4952
<b>Total</b>	<b>0.0620</b>	<b>0.0424</b>	<b>0.4787</b>	<b>1.4000e-003</b>	<b>0.1453</b>	<b>1.1700e-003</b>	<b>0.1465</b>	<b>0.0385</b>	<b>1.0800e-003</b>	<b>0.0396</b>		<b>139.3926</b>	<b>139.3926</b>	<b>4.1000e-003</b>		<b>139.4952</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0819	0.0000	5.0819	2.6235	0.0000	2.6235			0.0000			0.0000
Off-Road	2.6545	27.6300	14.8563	0.0264		1.4002	1.4002		1.2882	1.2882	0.0000	2,557.4046	2,557.4046	0.8271		2,578.0825
<b>Total</b>	<b>2.6545</b>	<b>27.6300</b>	<b>14.8563</b>	<b>0.0264</b>	<b>5.0819</b>	<b>1.4002</b>	<b>6.4821</b>	<b>2.6235</b>	<b>1.2882</b>	<b>3.9117</b>	<b>0.0000</b>	<b>2,557.4046</b>	<b>2,557.4046</b>	<b>0.8271</b>		<b>2,578.0825</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**3.3 Site Preparation - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0620	0.0424	0.4787	1.4000e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		139.3926	139.3926	4.1000e-003		139.4952
<b>Total</b>	<b>0.0620</b>	<b>0.0424</b>	<b>0.4787</b>	<b>1.4000e-003</b>	<b>0.1453</b>	<b>1.1700e-003</b>	<b>0.1465</b>	<b>0.0385</b>	<b>1.0800e-003</b>	<b>0.0396</b>		<b>139.3926</b>	<b>139.3926</b>	<b>4.1000e-003</b>		<b>139.4952</b>

**3.4 Grading - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.7485	0.0000	8.7485	3.6079	0.0000	3.6079			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
<b>Total</b>	<b>4.1912</b>	<b>46.3998</b>	<b>30.8785</b>	<b>0.0620</b>	<b>8.7485</b>	<b>1.9853</b>	<b>10.7338</b>	<b>3.6079</b>	<b>1.8265</b>	<b>5.4344</b>		<b>6,007.0434</b>	<b>6,007.0434</b>	<b>1.9428</b>		<b>6,055.6134</b>



19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**3.4 Grading - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7090	22.5460	5.5378	0.0637	1.4519	0.0694	1.5213	0.3980	0.0664	0.4644		6,906.5723	6,906.5723	0.4938		6,918.9169
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080
<b>Total</b>	<b>0.8044</b>	<b>22.6112</b>	<b>6.2743</b>	<b>0.0658</b>	<b>1.6754</b>	<b>0.0712</b>	<b>1.7466</b>	<b>0.4573</b>	<b>0.0681</b>	<b>0.5253</b>		<b>7,121.0225</b>	<b>7,121.0225</b>	<b>0.5001</b>		<b>7,133.5249</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4119	0.0000	3.4119	1.4071	0.0000	1.4071			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
<b>Total</b>	<b>4.1912</b>	<b>46.3998</b>	<b>30.8785</b>	<b>0.0620</b>	<b>3.4119</b>	<b>1.9853</b>	<b>5.3972</b>	<b>1.4071</b>	<b>1.8265</b>	<b>3.2336</b>	<b>0.0000</b>	<b>6,007.0434</b>	<b>6,007.0434</b>	<b>1.9428</b>		<b>6,055.6134</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**3.4 Grading - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7090	22.5460	5.5378	0.0637	1.4519	0.0694	1.5213	0.3980	0.0664	0.4644		6,906.5723	6,906.5723	0.4938		6,918.9169
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080
<b>Total</b>	<b>0.8044</b>	<b>22.6112</b>	<b>6.2743</b>	<b>0.0658</b>	<b>1.6754</b>	<b>0.0712</b>	<b>1.7466</b>	<b>0.4573</b>	<b>0.0681</b>	<b>0.5253</b>		<b>7,121.0225</b>	<b>7,121.0225</b>	<b>0.5001</b>		<b>7,133.5249</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5515	23.4362	23.4055	0.0377		1.3079	1.3079		1.2360	1.2360		3,587.7169	3,587.7169	0.7808		3,607.2378
<b>Total</b>	<b>2.5515</b>	<b>23.4362</b>	<b>23.4055</b>	<b>0.0377</b>		<b>1.3079</b>	<b>1.3079</b>		<b>1.2360</b>	<b>1.2360</b>		<b>3,587.7169</b>	<b>3,587.7169</b>	<b>0.7808</b>		<b>3,607.2378</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3127	9.4951	2.7515	0.0245	0.6274	0.0201	0.6475	0.1806	0.0192	0.1999		2,619.986 2	2,619.986 2	0.1691		2,624.214 6
Worker	1.1921	0.8154	9.2064	0.0269	2.7944	0.0226	2.8170	0.7411	0.0208	0.7619		2,680.627 7	2,680.627 7	0.0789		2,682.599 7
<b>Total</b>	<b>1.5048</b>	<b>10.3105</b>	<b>11.9579</b>	<b>0.0514</b>	<b>3.4218</b>	<b>0.0427</b>	<b>3.4645</b>	<b>0.9217</b>	<b>0.0400</b>	<b>0.9617</b>		<b>5,300.613 9</b>	<b>5,300.613 9</b>	<b>0.2480</b>		<b>5,306.814 3</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5515	23.4362	23.4055	0.0377		1.3079	1.3079		1.2360	1.2360	0.0000	3,587.716 9	3,587.716 9	0.7808		3,607.237 8
<b>Total</b>	<b>2.5515</b>	<b>23.4362</b>	<b>23.4055</b>	<b>0.0377</b>		<b>1.3079</b>	<b>1.3079</b>		<b>1.2360</b>	<b>1.2360</b>	<b>0.0000</b>	<b>3,587.716 9</b>	<b>3,587.716 9</b>	<b>0.7808</b>		<b>3,607.237 8</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3127	9.4951	2.7515	0.0245	0.6274	0.0201	0.6475	0.1806	0.0192	0.1999		2,619.986 2	2,619.986 2	0.1691		2,624.214 6
Worker	1.1921	0.8154	9.2064	0.0269	2.7944	0.0226	2.8170	0.7411	0.0208	0.7619		2,680.627 7	2,680.627 7	0.0789		2,682.599 7
<b>Total</b>	<b>1.5048</b>	<b>10.3105</b>	<b>11.9579</b>	<b>0.0514</b>	<b>3.4218</b>	<b>0.0427</b>	<b>3.4645</b>	<b>0.9217</b>	<b>0.0400</b>	<b>0.9617</b>		<b>5,300.613 9</b>	<b>5,300.613 9</b>	<b>0.2480</b>		<b>5,306.814 3</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2940	21.0650	23.1513	0.0378		1.1047	1.1047		1.0449	1.0449		3,588.983 1	3,588.983 1	0.7747		3,608.349 8
<b>Total</b>	<b>2.2940</b>	<b>21.0650</b>	<b>23.1513</b>	<b>0.0378</b>		<b>1.1047</b>	<b>1.1047</b>		<b>1.0449</b>	<b>1.0449</b>		<b>3,588.983 1</b>	<b>3,588.983 1</b>	<b>0.7747</b>		<b>3,608.349 8</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2936	9.0238	2.6045	0.0243	0.6274	0.0176	0.6450	0.1807	0.0168	0.1975		2,596.7087	2,596.7087	0.1632		2,600.7886
Worker	1.1196	0.7364	8.4794	0.0260	2.7944	0.0219	2.8163	0.7411	0.0202	0.7612		2,586.4236	2,586.4236	0.0712		2,588.2041
<b>Total</b>	<b>1.4132</b>	<b>9.7601</b>	<b>11.0840</b>	<b>0.0502</b>	<b>3.4218</b>	<b>0.0394</b>	<b>3.4613</b>	<b>0.9217</b>	<b>0.0370</b>	<b>0.9587</b>		<b>5,183.1324</b>	<b>5,183.1324</b>	<b>0.2344</b>		<b>5,188.9927</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2940	21.0650	23.1513	0.0378		1.1047	1.1047		1.0449	1.0449	0.0000	3,588.9831	3,588.9831	0.7747		3,608.3498
<b>Total</b>	<b>2.2940</b>	<b>21.0650</b>	<b>23.1513</b>	<b>0.0378</b>		<b>1.1047</b>	<b>1.1047</b>		<b>1.0449</b>	<b>1.0449</b>	<b>0.0000</b>	<b>3,588.9831</b>	<b>3,588.9831</b>	<b>0.7747</b>		<b>3,608.3498</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2936	9.0238	2.6045	0.0243	0.6274	0.0176	0.6450	0.1807	0.0168	0.1975		2,596.7087	2,596.7087	0.1632		2,600.7886
Worker	1.1196	0.7364	8.4794	0.0260	2.7944	0.0219	2.8163	0.7411	0.0202	0.7612		2,586.4236	2,586.4236	0.0712		2,588.2041
<b>Total</b>	<b>1.4132</b>	<b>9.7601</b>	<b>11.0840</b>	<b>0.0502</b>	<b>3.4218</b>	<b>0.0394</b>	<b>3.4613</b>	<b>0.9217</b>	<b>0.0370</b>	<b>0.9587</b>		<b>5,183.1324</b>	<b>5,183.1324</b>	<b>0.2344</b>		<b>5,188.9927</b>

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.7493					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8521</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>		<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
<b>Total</b>	<b>0.0672</b>	<b>0.0442</b>	<b>0.5088</b>	<b>1.5600e-003</b>	<b>0.1677</b>	<b>1.3100e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.2100e-003</b>	<b>0.0457</b>		<b>155.1854</b>	<b>155.1854</b>	<b>4.2700e-003</b>		<b>155.2922</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.7493					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8521</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>0.0000</b>	<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
<b>Total</b>	<b>0.0672</b>	<b>0.0442</b>	<b>0.5088</b>	<b>1.5600e-003</b>	<b>0.1677</b>	<b>1.3100e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.2100e-003</b>	<b>0.0457</b>		<b>155.1854</b>	<b>155.1854</b>	<b>4.2700e-003</b>		<b>155.2922</b>

**3.7 Architectural Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.9292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>50.1337</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>



19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**3.7 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2239	0.1473	1.6959	5.1900e-003	0.5589	4.3700e-003	0.5633	0.1482	4.0300e-003	0.1523		517.2847	517.2847	0.0142		517.6408
<b>Total</b>	<b>0.2239</b>	<b>0.1473</b>	<b>1.6959</b>	<b>5.1900e-003</b>	<b>0.5589</b>	<b>4.3700e-003</b>	<b>0.5633</b>	<b>0.1482</b>	<b>4.0300e-003</b>	<b>0.1523</b>		<b>517.2847</b>	<b>517.2847</b>	<b>0.0142</b>		<b>517.6408</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.9292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>50.1337</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

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**3.7 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2239	0.1473	1.6959	5.1900e-003	0.5589	4.3700e-003	0.5633	0.1482	4.0300e-003	0.1523		517.2847	517.2847	0.0142		517.6408
<b>Total</b>	<b>0.2239</b>	<b>0.1473</b>	<b>1.6959</b>	<b>5.1900e-003</b>	<b>0.5589</b>	<b>4.3700e-003</b>	<b>0.5633</b>	<b>0.1482</b>	<b>4.0300e-003</b>	<b>0.1523</b>		<b>517.2847</b>	<b>517.2847</b>	<b>0.0142</b>		<b>517.6408</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

Improve Pedestrian Network

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9366	21.4029	21.4106	0.0981	6.0859	0.0801	6.1660	1.6356	0.0754	1.7110		10,170.6580	10,170.6580	0.5676		10,184.8480
Unmitigated	2.5410	28.6712	33.1803	0.1630	10.6917	0.1335	10.8252	2.8735	0.1256	2.9990		16,874.6474	16,874.6474	0.8275		16,895.3337

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	198.40	45.02	14.26	483,815	275,397
Manufacturing	779.71	779.71	779.71	3,616,692	2,058,687
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	151.00	13.02	5.21	512,362	291,646
<b>Total</b>	<b>1,129.11</b>	<b>837.75</b>	<b>799.18</b>	<b>4,612,869</b>	<b>2,625,729</b>

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Manufacturing	40.00	8.40	6.90	20.43	0.00	79.57	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	40.00	8.40	6.90	20.43	0.00	79.57	92	5	3

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**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Manufacturing	0.472164	0.038845	0.176265	0.103984	0.024827	0.009773	0.046400	0.123300	0.000000	0.000000	0.004443	0.000000	0.000000
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Unrefrigerated Warehouse-No Rail	0.472164	0.038845	0.176265	0.103984	0.024827	0.009773	0.046400	0.123300	0.000000	0.000000	0.004443	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

- Install High Efficiency Lighting
- Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1381	1.2554	1.0545	7.5300e-003		0.0954	0.0954		0.0954	0.0954		1,506.4584	1,506.4584	0.0289	0.0276	1,515.4105
NaturalGas Unmitigated	0.1381	1.2554	1.0545	7.5300e-003		0.0954	0.0954		0.0954	0.0954		1,506.4584	1,506.4584	0.0289	0.0276	1,515.4105

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	510.087	5.5000e-003	0.0500	0.0420	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003		60.0103	60.0103	1.1500e-003	1.1000e-003	60.3669
Manufacturing	11360.4	0.1225	1.1138	0.9356	6.6800e-003		0.0847	0.0847		0.0847	0.0847		1,336.5222	1,336.5222	0.0256	0.0245	1,344.4644
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	934.371	0.0101	0.0916	0.0770	5.5000e-004		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003		109.9260	109.9260	2.1100e-003	2.0200e-003	110.5792
<b>Total</b>		<b>0.1381</b>	<b>1.2554</b>	<b>1.0545</b>	<b>7.5300e-003</b>		<b>0.0954</b>	<b>0.0954</b>		<b>0.0954</b>	<b>0.0954</b>		<b>1,506.4584</b>	<b>1,506.4584</b>	<b>0.0289</b>	<b>0.0276</b>	<b>1,515.4105</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.510087	5.5000e-003	0.0500	0.0420	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003		60.0103	60.0103	1.1500e-003	1.1000e-003	60.3669
Manufacturing	11.3604	0.1225	1.1138	0.9356	6.6800e-003		0.0847	0.0847		0.0847	0.0847		1,336.5222	1,336.5222	0.0256	0.0245	1,344.4644
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.934371	0.0101	0.0916	0.0770	5.5000e-004		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003		109.9260	109.9260	2.1100e-003	2.0200e-003	110.5792
<b>Total</b>		<b>0.1381</b>	<b>1.2554</b>	<b>1.0545</b>	<b>7.5300e-003</b>		<b>0.0954</b>	<b>0.0954</b>		<b>0.0954</b>	<b>0.0954</b>		<b>1,506.4584</b>	<b>1,506.4584</b>	<b>0.0289</b>	<b>0.0276</b>	<b>1,515.4105</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.9612	8.8000e-004	0.0964	1.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004		0.2063	0.2063	5.4000e-004		0.2199
Unmitigated	6.9612	8.8000e-004	0.0964	1.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004		0.2063	0.2063	5.4000e-004		0.2199

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.9600e-003	8.8000e-004	0.0964	1.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004		0.2063	0.2063	5.4000e-004		0.2199
<b>Total</b>	<b>6.9612</b>	<b>8.8000e-004</b>	<b>0.0964</b>	<b>1.0000e-005</b>		<b>3.4000e-004</b>	<b>3.4000e-004</b>		<b>3.4000e-004</b>	<b>3.4000e-004</b>		<b>0.2063</b>	<b>0.2063</b>	<b>5.4000e-004</b>		<b>0.2199</b>

19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.9600e-003	8.8000e-004	0.0964	1.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004		0.2063	0.2063	5.4000e-004		0.2199
<b>Total</b>	<b>6.9612</b>	<b>8.8000e-004</b>	<b>0.0964</b>	<b>1.0000e-005</b>		<b>3.4000e-004</b>	<b>3.4000e-004</b>		<b>3.4000e-004</b>	<b>3.4000e-004</b>		<b>0.2063</b>	<b>0.2063</b>	<b>5.4000e-004</b>		<b>0.2199</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

- Apply Water Conservation Strategy
- Use Water Efficient Irrigation System

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

- Institute Recycling and Composting Services

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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19260 190th Street Warehouse - Los Angeles-South Coast County, Winter

## 10.0 Stationary Equipment

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### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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### User Defined Equipment

Equipment Type	Number
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## 11.0 Vegetation

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**APPENDIX C**  
**AERMOD MODEL PRINTOUTS**

**Emission Assumptions**      **DPM**      Emissions  
**19260 190th Street Warehouse**

**Facility Operations**

Buildout year:                      2022

**Emission Factors**

1) Onsite Vehicle Emissions

a) Truck

(1) EMFAC2017

(a) Annual Meteorology

Temperature: 66 degF

Relative Humidity: 60%

(b) Calculations for              Los Angeles 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 Volume Source:              12 feet

(b) Truck Operational Schedule              24 hours/day

(c) Height of Plume:                              12 feet

<b>19260 190th Street Warehouse</b>		<b>Emission:</b>	<b>DPM</b>										
<b>Processes Modeled</b>		<b>Build-out:</b>	<b>2022</b>										
Onsite delivery traffic													
Truck idling													
Offsite delivery traffic													
<b>Facilities in Operation</b>													
<b>Location</b>	<b>Truck type</b>	<b>Daily trucks</b>											
Project Site	HHDT	115											
Project Site	MHDT	43											
Project Site	LHDT2	32											
<b>Total</b>		<b>190</b>											
<b>Delivery Schedule:</b>		24 hrs/day, 52 weeks/year											
<b>Emission Factors 1 Year (2022)</b>													
	<b>Onsite Exhaust</b>	<b>Offsite Exhaust</b>	<b>Idle</b>										
<b>Vehicle Class</b>	<b>(g/mi)</b>	<b>(g/mi)</b>	<b>(g/hr)</b>										
HHDT	0.03710	0.01772	0.01503										
MHDT	0.06229	0.03426	0.14701										
LHDT2	0.05169	0.01977	0.78700										
<b>Onsite Roadway Links Modeled</b>													
<b>Link</b>	<b>Truck Type</b>	<b>Emission Factor (g/mi)</b>	<b>Trips per day (in and out)</b>	<b>Length (m)</b>	<b>Length (mi)</b>	<b>Daily Emissions Over the Link (g/day)</b>	<b>Emissions Over the Link (g/sec)</b>	<b>Emissions Over Link (lb/hr)</b>	<b>Daily Emissions (lbs/day)</b>	<b>Annual Avg Emissions Over Link (tons/yr)</b>	<b>Total Daily Emissions for all Vehicles (g/sec)</b>		
Outbound to Project Driveway 3	HHDT	0.03710	115	287.9	0.18	7.63E-01	8.83E-06	6.05E+00	1.68E-03	3.07E-04			
Outbound to Project Driveway 3	MHDT	0.06229	43	287.9	0.18	4.79E-01	5.54E-06	3.80E+00	1.06E-03	1.93E-04	<b>8.90E-06</b>	50% of trucks	
Outbound to Project Driveway 3	LHDT2	0.05169	32	287.9	0.18	2.96E-01	3.42E-06	2.35E+00	6.52E-04	1.19E-04			
Inbound from Project Driveway 2	HHDT	0.03710	115	171.8	0.11	4.55E-01	5.27E-06	3.61E+00	1.00E-03	1.83E-04			
Inbound from Project Driveway 2	MHDT	0.06229	43	171.8	0.11	2.86E-01	3.31E-06	2.27E+00	6.30E-04	1.15E-04	<b>5.31E-06</b>	50% of trucks	
Inbound from Project Driveway 2	LHDT2	0.05169	32	171.8	0.11	1.77E-01	2.04E-06	1.40E+00	3.89E-04	7.10E-05			
<b>Truck Idling</b>													
	Idle time	15 minutes											
<b>Building/Location</b>	<b>Truck Type</b>	<b>Emission Factor (g/idle-hour)</b>	<b>Idling Time (min)</b>	<b>Daily Trucks</b>	<b>Total Emissions (g/day)</b>	<b>Max Hourly Emissions (g/sec)</b>	<b>Max Hourly Emissions (lb/hr)</b>	<b>Total Daily Emissions (lbs/day)</b>	<b>Total Emissions (tons/yr)</b>	<b>Total Emissions (tons/yr)</b>			
At proposed building	HHDT	0.01503	15	115	0.43	5.00E-06	3.97E-05	9.52E-04	1.74E-04				
At proposed building	MHDT	0.14701	15	43	1.58	1.83E-05	1.45E-04	3.48E-03	6.35E-04		9.62E-05		
At proposed building	LHDT2	0.78700	15	32	6.30	7.29E-05	5.78E-04	1.39E-02	2.53E-03		<b>1.60E-05</b>	per idling location (6 total)	

<b>Offsite Roadway Links Modeled</b>											
<b>Link</b>	<b>Truck Type</b>	<b>Emission Factor (g/mi)</b>	<b>Trips per day</b>	<b>Length (m)</b>	<b>Length (mi)</b>	<b>Daily Emissions Over the Link (g/day)</b>	<b>Emissions Over the Link (g/sec)</b>	<b>Max Hourly Emissions Over Link (lb/hr)</b>	<b>Daily Emissions (lbs/day)</b>	<b>Annual Avg Emissions Over Link (tons/yr)</b>	
Crenshaw Blvd NB n/o Project Driveway 3	HHDT	0.01772	115	424.5	0.26	5.37E-01	6.22E-06	4.26E+00	1.18E-03	2.16E-04	90% of outbound trucks
Crenshaw Blvd NB n/o Project Driveway 3	MHDT	0.03426	43	424.5	0.26	3.89E-01	4.50E-06	3.08E+00	8.56E-04	1.56E-04	<b>1.14E-05</b>
Crenshaw Blvd NB n/o Project Driveway 3	LHDT2	0.01977	32	424.5	0.26	1.67E-01	1.93E-06	1.32E+00	3.67E-04	6.71E-05	
Crenshaw Blvd n/o 190th St	HHDT	0.01772	115	272.9	0.17	3.45E-01	4.00E-06	2.74E+00	7.61E-04	1.39E-04	40% of outbound trucks
Crenshaw Blvd n/o 190th St	MHDT	0.03426	43	272.9	0.17	2.50E-01	2.89E-06	1.98E+00	5.50E-04	1.00E-04	<b>3.25E-06</b>
Crenshaw Blvd n/o 190th St	LHDT2	0.01977	32	272.9	0.17	1.07E-01	1.24E-06	8.50E-01	2.36E-04	4.31E-05	
190th St west of 405 fwy SB ramps	HHDT	0.01772	115	1539.2	0.96	1.95E+00	2.26E-05	1.55E+01	4.29E-03	7.83E-04	65% of inbound trucks
190th St west of 405 fwy SB ramps	MHDT	0.03426	43	1539.2	0.96	1.41E+00	1.63E-05	1.12E+01	3.10E-03	5.66E-04	<b>2.98E-05</b>
190th St west of 405 fwy SB ramps	LHDT2	0.01977	32	1539.2	0.96	6.05E-01	7.00E-06	4.80E+00	1.33E-03	2.43E-04	

<b>19260 190th Street Warehouse</b>		<b>Emission:</b>	<b>DPM</b>										
<b>Processes Modeled</b>		<b>Build-out:</b>	<b>2022</b>										
Onsite delivery traffic													
Truck idling													
Offsite delivery traffic													
<b>Facilities in Operation</b>													
<b>Location</b>	<b>Truck type</b>	<b>Daily trucks</b>											
Project Site	HHDT	115											
Project Site	MHDT	43											
Project Site	LHDT2	32											
<b>Total</b>		<b>190</b>											
<b>Delivery Schedule:</b>		24 hrs/day, 52weeks/year											
<b>Emission Factors 2 Year</b>													
	<b>Onsite Exhaust</b>	<b>Offsite Exhaust</b>	<b>Idle</b>										
<b>Vehicle Class</b>	<b>(g/mi)</b>	<b>(g/mi)</b>	<b>(g/hr)</b>										
HHDT	0.01139	0.00884	0.01244										
MHDT	0.00577	0.00394	0.04116										
LHDT2	0.04861	0.01906	0.78826										
<b>Onsite Roadway Links Modeled</b>													
<b>Link</b>	<b>Truck Type</b>	<b>Emission Factor (g/mi)</b>	<b>Trips per day (in and out)</b>	<b>Length (m)</b>	<b>Length (mi)</b>	<b>Daily Emissions Over the Link (g/day)</b>	<b>Emissions Over the Link (g/sec)</b>	<b>Emissions Over Link (lb/hr)</b>	<b>Daily Emissions (lbs/day)</b>	<b>Annual Avg Emissions Over Link (tons/yr)</b>	<b>Total Daily Emissions for all Vehicles (g/sec)</b>		
Outbound to Project Driveway 3	HHDT	0.01139	115	287.9	0.18	2.34E-01	2.71E-06	1.86E+00	5.16E-04	9.41E-05			
Outbound to Project Driveway 3	MHDT	0.00577	43	287.9	0.18	4.44E-02	5.13E-07	3.52E-01	9.77E-05	1.78E-05	<b>3.22E-06</b>	50% of trucks	
Outbound to Project Driveway 3	LHDT2	0.04861	32	287.9	0.18	2.78E-01	3.22E-06	2.21E+00	6.13E-04	1.12E-04			
Inbound from Project Driveway 2	HHDT	0.01139	115	171.8	0.11	1.40E-01	1.62E-06	1.11E+00	3.08E-04	5.62E-05			
Inbound from Project Driveway 2	MHDT	0.00577	43	171.8	0.11	2.65E-02	3.06E-07	2.10E-01	5.83E-05	1.06E-05	<b>1.92E-06</b>	50% of trucks	
Inbound from Project Driveway 2	LHDT2	0.04861	32	171.8	0.11	1.66E-01	1.92E-06	1.32E+00	3.66E-04	6.67E-05			
<b>Truck Idling</b>													
	Idle time	15 minutes											
<b>Building/Location</b>	<b>Truck Type</b>	<b>Emission Factor (g/idle-hour)</b>	<b>Idling Time (min)</b>	<b>Daily Trucks</b>	<b>Total Emissions (g/day)</b>	<b>Max Hourly Emissions (g/sec)</b>	<b>Max Hourly Emissions (lb/hr)</b>	<b>Total Daily Emissions (lbs/day)</b>	<b>Total Emissions (tons/yr)</b>	<b>Total Emissions (tons/yr)</b>			
At proposed building	HHDT	0.01244	15	115	0.36	4.14E-06	3.28E-05	7.88E-04	1.44E-04				
At proposed building	MHDT	0.04116	15	43	0.44	5.12E-06	4.06E-05	9.75E-04	1.78E-04		8.22E-05		
At proposed building	LHDT2	0.78826	15	32	6.31	7.30E-05	5.79E-04	1.39E-02	2.53E-03		<b>1.37E-05</b>	per idling location (6 total)	

<b>Offsite Roadway Links Modeled</b>												
<b>Link</b>	<b>Truck Type</b>	<b>Emission Factor (g/mi)</b>	<b>Trips per day</b>	<b>Length (m)</b>	<b>Length (mi)</b>	<b>Daily Emissions Over the Link (g/day)</b>	<b>Emissions Over the Link (g/sec)</b>	<b>Max Hourly Emissions Over Link (lb/hr)</b>	<b>Daily Emissions (lbs/day)</b>	<b>Annual Avg Emissions Over Link (tons/yr)</b>		
Crenshaw Blvd NB n/o Project Driveway 3	HHDT	0.00884	115	424.5	0.26	2.68E-01	3.10E-06	2.12E+00	5.90E-04	1.08E-04	90% of trucks	
Crenshaw Blvd NB n/o Project Driveway 3	MHDT	0.00394	43	424.5	0.26	4.47E-02	5.17E-07	3.55E-01	9.85E-05	1.80E-05		<b>4.93E-06</b>
Crenshaw Blvd NB n/o Project Driveway 3	LHDT2	0.01906	32	424.5	0.26	1.61E-01	1.86E-06	1.28E+00	3.54E-04	6.46E-05		
Crenshaw Blvd n/o 190th St	HHDT	0.00884	115	272.9	0.17	1.72E-01	1.99E-06	1.37E+00	3.79E-04	6.93E-05	40% of trucks	
Crenshaw Blvd n/o 190th St	MHDT	0.00394	43	272.9	0.17	2.87E-02	3.33E-07	2.28E-01	6.33E-05	1.16E-05		<b>1.41E-06</b>
Crenshaw Blvd n/o 190th St	LHDT2	0.01906	32	272.9	0.17	1.03E-01	1.20E-06	8.20E-01	2.28E-04	4.16E-05		
190th St west of 405 fwy SB ramps	HHDT	0.00884	115	1539.2	0.96	9.72E-01	1.12E-05	7.70E+00	2.14E-03	3.91E-04	65% of inbound trucks	
190th St west of 405 fwy SB ramps	MHDT	0.00394	43	1539.2	0.96	1.62E-01	1.88E-06	1.29E+00	3.57E-04	6.52E-05		<b>1.29E-05</b>
190th St west of 405 fwy SB ramps	LHDT2	0.01906	32	1539.2	0.96	5.83E-01	6.75E-06	4.62E+00	1.28E-03	2.34E-04		

<b>19260 190th Street Warehouse</b>		<b>Emission:</b>	<b>DPM</b>										
<b>Processes Modeled</b>		<b>Build-out:</b>	<b>2022</b>										
Onsite delivery traffic													
Truck idling													
Offsite delivery traffic													
<b>Facilities in Operation</b>													
<b>Location</b>	<b>Truck type</b>	<b>Daily trucks</b>											
Project Site	HHDT	115											
Project Site	MHDT	43											
Project Site	LHDT2	32											
<b>Total</b>		<b>190</b>											
<b>Delivery Schedule:</b>		24 hrs/day, 52weeks/year											
<b>Emission Factors 14 Year 2025-2039</b>													
<b>Vehicle Class</b>	<b>Onsite Exhaust (g/mi)</b>	<b>Offsite Exhaust (g/mi)</b>	<b>Idle (g/hr)</b>										
HHDT	0.01036	0.00848	0.01098										
MHDT	0.00493	0.00386	0.01672										
LHDT2	0.03705	0.01629	0.79363										
<b>Onsite Roadway Links Modeled</b>													
<b>Link</b>	<b>Truck Type</b>	<b>Emission Factor (g/mi)</b>	<b>Trips per day (in and out)</b>	<b>Length (m)</b>	<b>Length (mi)</b>	<b>Daily Emissions Over the Link (g/day)</b>	<b>Emissions Over the Link (g/sec)</b>	<b>Emissions Over Link (lb/hr)</b>	<b>Daily Emissions (lbs/day)</b>	<b>Annual Avg Emissions Over Link (tons/yr)</b>	<b>Total Daily Emissions for all Vehicles (g/sec)</b>		
Outbound to Project Driveway 3	HHDT	0.01036	115	287.9	0.18	2.13E-01	2.47E-06	1.69E+00	4.70E-04	8.57E-05			
Outbound to Project Driveway 3	MHDT	0.00493	43	287.9	0.18	3.79E-02	4.39E-07	3.01E-01	8.35E-05	1.52E-05	<b>2.68E-06</b>	50% of trucks	
Outbound to Project Driveway 3	LHDT2	0.03705	32	287.9	0.18	2.12E-01	2.45E-06	1.68E+00	4.67E-04	8.52E-05			
Inbound from Project Driveway 2	HHDT	0.01036	115	171.8	0.11	1.27E-01	1.47E-06	1.01E+00	2.80E-04	5.11E-05			
Inbound from Project Driveway 2	MHDT	0.00493	43	171.8	0.11	2.26E-02	2.62E-07	1.79E-01	4.98E-05	9.09E-06	<b>1.60E-06</b>	50% of trucks	
Inbound from Project Driveway 2	LHDT2	0.03705	32	171.8	0.11	1.27E-01	1.46E-06	1.00E+00	2.79E-04	5.09E-05			
<b>Truck Idling</b>													
<b>Building/Location</b>	<b>Truck Type</b>	<b>Emission Factor (g/idle-hour)</b>	<b>Idling Time (min)</b>	<b>Daily Trucks</b>	<b>Total Emissions (g/day)</b>	<b>Max Hourly Emissions (g/sec)</b>	<b>Max Hourly Emissions (lb/hr)</b>	<b>Total Daily Emissions (lbs/day)</b>	<b>Total Emissions (tons/yr)</b>	<b>Total Emissions (tons/yr)</b>			
At proposed building	HHDT	0.01098	15	115	0.32	3.65E-06	2.90E-05	6.96E-04	1.27E-04				
At proposed building	MHDT	0.01672	15	43	0.18	2.08E-06	1.65E-05	3.96E-04	7.22E-05		7.92E-05		
At proposed building	LHDT2	0.79363	15	32	6.35	7.35E-05	5.83E-04	1.40E-02	2.55E-03		<b>1.32E-05</b>	per idling location (6 total)	



<b>Offsite Roadway Links Modeled</b>												
<b>Link</b>	<b>Truck Type</b>	<b>Emission Factor (g/mi)</b>	<b>Trips per day</b>	<b>Length (m)</b>	<b>Length (mi)</b>	<b>Daily Emissions Over the Link (g/day)</b>	<b>Emissions Over the Link (g/sec)</b>	<b>Max Hourly Emissions Over Link (lb/hr)</b>	<b>Daily Emissions (lbs/day)</b>	<b>Annual Avg Emissions Over Link (tons/yr)</b>		
Crenshaw Blvd NB n/o Project Driveway 3	HHDT	0.00848	115	424.5	0.26	2.57E-01	2.98E-06	2.04E+00	5.66E-04	1.03E-04	90% of trucks	
Crenshaw Blvd NB n/o Project Driveway 3	MHDT	0.00386	43	424.5	0.26	4.37E-02	5.06E-07	3.47E-01	9.64E-05	1.76E-05		<b>4.56E-06</b>
Crenshaw Blvd NB n/o Project Driveway 3	LHDT2	0.01629	32	424.5	0.26	1.37E-01	1.59E-06	1.09E+00	3.03E-04	5.52E-05		
Crenshaw Blvd n/o 190th St	HHDT	0.00848	115	272.9	0.17	1.65E-01	1.91E-06	1.31E+00	3.64E-04	6.64E-05	40% of trucks	
Crenshaw Blvd n/o 190th St	MHDT	0.00386	43	272.9	0.17	2.81E-02	3.26E-07	2.23E-01	6.19E-05	1.13E-05		<b>1.30E-06</b>
Crenshaw Blvd n/o 190th St	LHDT2	0.01629	32	272.9	0.17	8.83E-02	1.02E-06	7.01E-01	1.95E-04	3.55E-05		
190th St west of 405 fwy SB ramps	HHDT	0.00848	115	1539.2	0.96	9.32E-01	1.08E-05	7.39E+00	2.05E-03	3.75E-04	65% of inbound trucks	
190th St west of 405 fwy SB ramps	MHDT	0.00386	43	1539.2	0.96	1.59E-01	1.84E-06	1.26E+00	3.49E-04	6.38E-05		<b>1.20E-05</b>
190th St west of 405 fwy SB ramps	LHDT2	0.01629	32	1539.2	0.96	4.98E-01	5.77E-06	3.95E+00	1.10E-03	2.00E-04		



<b>Offsite Roadway Links Modeled</b>												
<b>Link</b>	<b>Truck Type</b>	<b>Emission Factor (g/mi)</b>	<b>Trips per day</b>	<b>Length (m)</b>	<b>Length (mi)</b>	<b>Daily Emissions Over the Link (g/day)</b>	<b>Emissions Over the Link (g/sec)</b>	<b>Max Hourly Emissions Over Link (lb/hr)</b>	<b>Daily Emissions (lbs/day)</b>	<b>Annual Avg Emissions Over Link (tons/yr)</b>		
Crenshaw Blvd NB n/o Project Driveway 3	HHDT	0.00810	115	424.5	0.26	2.46E-01	2.84E-06	1.95E+00	5.41E-04	9.88E-05	90% of trucks	
Crenshaw Blvd NB n/o Project Driveway 3	MHDT	0.00368	43	424.5	0.26	4.17E-02	4.83E-07	3.31E-01	9.18E-05	1.68E-05		<b>4.25E-06</b>
Crenshaw Blvd NB n/o Project Driveway 3	LHDT2	0.01434	32	424.5	0.26	1.21E-01	1.40E-06	9.60E-01	2.67E-04	4.87E-05		
Crenshaw Blvd n/o 190th St	HHDT	0.00810	115	272.9	0.17	1.58E-01	1.83E-06	1.25E+00	3.48E-04	6.35E-05	40% of trucks	
Crenshaw Blvd n/o 190th St	MHDT	0.00368	43	272.9	0.17	2.68E-02	3.10E-07	2.13E-01	5.90E-05	1.08E-05		<b>1.22E-06</b>
Crenshaw Blvd n/o 190th St	LHDT2	0.01434	32	272.9	0.17	7.78E-02	9.01E-07	6.17E-01	1.71E-04	3.13E-05		
190th St west of 405 fwy SB ramps	HHDT	0.00810	115	1539.2	0.96	8.91E-01	1.03E-05	7.06E+00	1.96E-03	3.58E-04	65% of inbound trucks	
190th St west of 405 fwy SB ramps	MHDT	0.00368	43	1539.2	0.96	1.51E-01	1.75E-06	1.20E+00	3.33E-04	6.08E-05		<b>1.11E-05</b>
190th St west of 405 fwy SB ramps	LHDT2	0.01434	32	1539.2	0.96	4.39E-01	5.08E-06	3.48E+00	9.67E-04	1.76E-04		

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** Lakes Environmental AERMOD MPI
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*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 5/15/2020
** File: C:\Lakes\AERMOD View\190th Street Warehouse 2022\190th Street Warehouse 2022.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE 190th St Warehouse 2022
  TITLETWO DPM concentrations
  MODELOPT DFAULT CONC
  AVERTIME PERIOD
  URBANOPT 9818605 Los_Angeles_County_Population
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "190th Street Warehouse 2022.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION STCK1      POINT      377375.140  3747396.430      19.240
** DESCRSRC Idling location
LOCATION STCK2      POINT      377406.010  3747397.404      19.450
** DESCRSRC Idling location
LOCATION STCK3      POINT      377432.659  3747397.729      19.590
** DESCRSRC Idling location
LOCATION STCK4      POINT      377463.533  3747397.729      19.800
** DESCRSRC Idling location
LOCATION STCK5      POINT      377492.132  3747397.729      20.080
** DESCRSRC Idling location
LOCATION STCK6      POINT      377521.381  3747398.054      20.590
** DESCRSRC Idling location
** -----
** Line Source Represented by Adjacent Volume Sources

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** LINE VOLUME Source ID = SLINE1
** DESCRSRC Onsite travel to driveway 3
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 8.9E-06
** Elevated
** Building Height = 10.97
** SZINIT = 5.10
** Nodes = 2
** 377309.543, 3747422.669, 18.82, 0.00, 1.70
** 377597.430, 3747424.019, 20.83, 0.00, 1.70
** -----
LOCATION L0000001    VOLUME  377311.371 3747422.678 18.96
LOCATION L0000002    VOLUME  377315.029 3747422.695 18.99
LOCATION L0000003    VOLUME  377318.687 3747422.712 19.02
LOCATION L0000004    VOLUME  377322.344 3747422.729 19.03
LOCATION L0000005    VOLUME  377326.002 3747422.746 19.04
LOCATION L0000006    VOLUME  377329.659 3747422.763 19.06
LOCATION L0000007    VOLUME  377333.317 3747422.781 19.07
LOCATION L0000008    VOLUME  377336.974 3747422.798 19.08
LOCATION L0000009    VOLUME  377340.632 3747422.815 19.09
LOCATION L0000010    VOLUME  377344.289 3747422.832 19.10
LOCATION L0000011    VOLUME  377347.947 3747422.849 19.13
LOCATION L0000012    VOLUME  377351.605 3747422.866 19.17
LOCATION L0000013    VOLUME  377355.262 3747422.883 19.20
LOCATION L0000014    VOLUME  377358.920 3747422.901 19.23
LOCATION L0000015    VOLUME  377362.577 3747422.918 19.26
LOCATION L0000016    VOLUME  377366.235 3747422.935 19.30
LOCATION L0000017    VOLUME  377369.892 3747422.952 19.33
LOCATION L0000018    VOLUME  377373.550 3747422.969 19.35
LOCATION L0000019    VOLUME  377377.208 3747422.986 19.38
LOCATION L0000020    VOLUME  377380.865 3747423.003 19.40
LOCATION L0000021    VOLUME  377384.523 3747423.021 19.42
LOCATION L0000022    VOLUME  377388.180 3747423.038 19.45
LOCATION L0000023    VOLUME  377391.838 3747423.055 19.47
LOCATION L0000024    VOLUME  377395.495 3747423.072 19.50
LOCATION L0000025    VOLUME  377399.153 3747423.089 19.52
LOCATION L0000026    VOLUME  377402.810 3747423.106 19.55
LOCATION L0000027    VOLUME  377406.468 3747423.123 19.57
LOCATION L0000028    VOLUME  377410.126 3747423.141 19.59
LOCATION L0000029    VOLUME  377413.783 3747423.158 19.62
LOCATION L0000030    VOLUME  377417.441 3747423.175 19.64
LOCATION L0000031    VOLUME  377421.098 3747423.192 19.67
LOCATION L0000032    VOLUME  377424.756 3747423.209 19.70
LOCATION L0000033    VOLUME  377428.413 3747423.226 19.72
LOCATION L0000034    VOLUME  377432.071 3747423.243 19.75
LOCATION L0000035    VOLUME  377435.728 3747423.261 19.78
LOCATION L0000036    VOLUME  377439.386 3747423.278 19.80
LOCATION L0000037    VOLUME  377443.044 3747423.295 19.83
LOCATION L0000038    VOLUME  377446.701 3747423.312 19.86

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LOCATION	VOLUME			
L0000039	377450.359	3747423.329	19.88	
L0000040	377454.016	3747423.346	19.90	
L0000041	377457.674	3747423.363	19.92	
L0000042	377461.331	3747423.381	19.94	
L0000043	377464.989	3747423.398	19.96	
L0000044	377468.647	3747423.415	19.98	
L0000045	377472.304	3747423.432	20.00	
L0000046	377475.962	3747423.449	20.03	
L0000047	377479.619	3747423.466	20.06	
L0000048	377483.277	3747423.483	20.08	
L0000049	377486.934	3747423.501	20.11	
L0000050	377490.592	3747423.518	20.14	
L0000051	377494.249	3747423.535	20.16	
L0000052	377497.907	3747423.552	20.19	
L0000053	377501.565	3747423.569	20.20	
L0000054	377505.222	3747423.586	20.21	
L0000055	377508.880	3747423.604	20.22	
L0000056	377512.537	3747423.621	20.23	
L0000057	377516.195	3747423.638	20.23	
L0000058	377519.852	3747423.655	20.24	
L0000059	377523.510	3747423.672	20.24	
L0000060	377527.167	3747423.689	20.28	
L0000061	377530.825	3747423.706	20.33	
L0000062	377534.483	3747423.724	20.38	
L0000063	377538.140	3747423.741	20.43	
L0000064	377541.798	3747423.758	20.48	
L0000065	377545.455	3747423.775	20.53	
L0000066	377549.113	3747423.792	20.58	
L0000067	377552.770	3747423.809	20.59	
L0000068	377556.428	3747423.826	20.57	
L0000069	377560.085	3747423.844	20.56	
L0000070	377563.743	3747423.861	20.54	
L0000071	377567.401	3747423.878	20.53	
L0000072	377571.058	3747423.895	20.52	
L0000073	377574.716	3747423.912	20.50	
L0000074	377578.373	3747423.929	20.46	
L0000075	377582.031	3747423.946	20.42	
L0000076	377585.688	3747423.964	20.37	
L0000077	377589.346	3747423.981	20.32	
L0000078	377593.004	3747423.998	20.27	
L0000079	377596.661	3747424.015	20.23	

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

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC Onsite travel from driveway 2

\*\* PREFIX

\*\* Length of Side = 3.66

\*\* Configuration = Adjacent

\*\* Emission Rate = 5.31E-06

\*\* Elevated

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** Building Height = 10.97
** SZINIT = 5.10
** Nodes = 2
** 377606.877, 3747423.569, 20.16, 0.00, 1.70
** 377607.327, 3747251.736, 19.20, 0.00, 1.70

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**
LOCATION L0000121    VOLUME  377606.881 3747421.740 20.14
LOCATION L0000122    VOLUME  377606.891 3747418.082 20.19
LOCATION L0000123    VOLUME  377606.901 3747414.425 20.23
LOCATION L0000124    VOLUME  377606.910 3747410.767 20.28
LOCATION L0000125    VOLUME  377606.920 3747407.110 20.32
LOCATION L0000126    VOLUME  377606.929 3747403.452 20.34
LOCATION L0000127    VOLUME  377606.939 3747399.794 20.34
LOCATION L0000128    VOLUME  377606.948 3747396.137 20.33
LOCATION L0000129    VOLUME  377606.958 3747392.479 20.33
LOCATION L0000130    VOLUME  377606.968 3747388.822 20.33
LOCATION L0000131    VOLUME  377606.977 3747385.164 20.33
LOCATION L0000132    VOLUME  377606.987 3747381.507 20.33
LOCATION L0000133    VOLUME  377606.996 3747377.849 20.32
LOCATION L0000134    VOLUME  377607.006 3747374.191 20.32
LOCATION L0000135    VOLUME  377607.016 3747370.534 20.26
LOCATION L0000136    VOLUME  377607.025 3747366.876 20.20
LOCATION L0000137    VOLUME  377607.035 3747363.219 20.14
LOCATION L0000138    VOLUME  377607.044 3747359.561 20.08
LOCATION L0000139    VOLUME  377607.054 3747355.903 20.03
LOCATION L0000140    VOLUME  377607.063 3747352.246 19.97
LOCATION L0000141    VOLUME  377607.073 3747348.588 19.91
LOCATION L0000142    VOLUME  377607.083 3747344.931 19.86
LOCATION L0000143    VOLUME  377607.092 3747341.273 19.82
LOCATION L0000144    VOLUME  377607.102 3747337.615 19.78
LOCATION L0000145    VOLUME  377607.111 3747333.958 19.75
LOCATION L0000146    VOLUME  377607.121 3747330.300 19.72
LOCATION L0000147    VOLUME  377607.130 3747326.643 19.69
LOCATION L0000148    VOLUME  377607.140 3747322.985 19.66
LOCATION L0000149    VOLUME  377607.150 3747319.328 19.63
LOCATION L0000150    VOLUME  377607.159 3747315.670 19.60
LOCATION L0000151    VOLUME  377607.169 3747312.012 19.58
LOCATION L0000152    VOLUME  377607.178 3747308.355 19.60
LOCATION L0000153    VOLUME  377607.188 3747304.697 19.63
LOCATION L0000154    VOLUME  377607.197 3747301.040 19.65
LOCATION L0000155    VOLUME  377607.207 3747297.382 19.67
LOCATION L0000156    VOLUME  377607.217 3747293.724 19.69
LOCATION L0000157    VOLUME  377607.226 3747290.067 19.71
LOCATION L0000158    VOLUME  377607.236 3747286.409 19.73
LOCATION L0000159    VOLUME  377607.245 3747282.752 19.75
LOCATION L0000160    VOLUME  377607.255 3747279.094 19.70
LOCATION L0000161    VOLUME  377607.264 3747275.436 19.64
LOCATION L0000162    VOLUME  377607.274 3747271.779 19.57
LOCATION L0000163    VOLUME  377607.284 3747268.121 19.50
LOCATION L0000164    VOLUME  377607.293 3747264.464 19.43
LOCATION L0000165    VOLUME  377607.303 3747260.806 19.37

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LOCATION L0000166 VOLUME 377607.312 3747257.149 19.30  
LOCATION L0000167 VOLUME 377607.322 3747253.491 19.23

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

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Crenshaw Blvd NB n/o Project Driveway 3

\*\* PREFIX

\*\* Length of Side = 3.66

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000114

\*\* Elevated

\*\* Vertical Dimension = 3.66

\*\* SZINIT = 0.85

\*\* Nodes = 2

\*\* 377299.844, 3747422.000, 18.66, 0.00, 1.70

\*\* 377297.707, 3747846.534, 20.45, 0.00, 1.70

\*\* -----

LOCATION L0000168	VOLUME	377299.835	3747423.829	18.87
LOCATION L0000169	VOLUME	377299.816	3747427.486	18.92
LOCATION L0000170	VOLUME	377299.798	3747431.144	18.98
LOCATION L0000171	VOLUME	377299.780	3747434.801	19.03
LOCATION L0000172	VOLUME	377299.761	3747438.459	19.08
LOCATION L0000173	VOLUME	377299.743	3747442.117	19.09
LOCATION L0000174	VOLUME	377299.724	3747445.774	19.08
LOCATION L0000175	VOLUME	377299.706	3747449.432	19.06
LOCATION L0000176	VOLUME	377299.688	3747453.089	19.04
LOCATION L0000177	VOLUME	377299.669	3747456.747	19.03
LOCATION L0000178	VOLUME	377299.651	3747460.404	19.01
LOCATION L0000179	VOLUME	377299.632	3747464.062	19.00
LOCATION L0000180	VOLUME	377299.614	3747467.719	18.98
LOCATION L0000181	VOLUME	377299.595	3747471.377	18.97
LOCATION L0000182	VOLUME	377299.577	3747475.035	19.00
LOCATION L0000183	VOLUME	377299.559	3747478.692	19.04
LOCATION L0000184	VOLUME	377299.540	3747482.350	19.07
LOCATION L0000185	VOLUME	377299.522	3747486.007	19.11
LOCATION L0000186	VOLUME	377299.503	3747489.665	19.14
LOCATION L0000187	VOLUME	377299.485	3747493.322	19.17
LOCATION L0000188	VOLUME	377299.467	3747496.980	19.21
LOCATION L0000189	VOLUME	377299.448	3747500.637	19.24
LOCATION L0000190	VOLUME	377299.430	3747504.295	19.25
LOCATION L0000191	VOLUME	377299.411	3747507.953	19.24
LOCATION L0000192	VOLUME	377299.393	3747511.610	19.24
LOCATION L0000193	VOLUME	377299.375	3747515.268	19.23
LOCATION L0000194	VOLUME	377299.356	3747518.925	19.22
LOCATION L0000195	VOLUME	377299.338	3747522.583	19.22
LOCATION L0000196	VOLUME	377299.319	3747526.240	19.21
LOCATION L0000197	VOLUME	377299.301	3747529.898	19.20
LOCATION L0000198	VOLUME	377299.283	3747533.555	19.20
LOCATION L0000199	VOLUME	377299.264	3747537.213	19.21
LOCATION L0000200	VOLUME	377299.246	3747540.870	19.21



LOCATION	L0000201	VOLUME	377299.227	3747544.528	19.22
LOCATION	L0000202	VOLUME	377299.209	3747548.186	19.23
LOCATION	L0000203	VOLUME	377299.190	3747551.843	19.24
LOCATION	L0000204	VOLUME	377299.172	3747555.501	19.24
LOCATION	L0000205	VOLUME	377299.154	3747559.158	19.25
LOCATION	L0000206	VOLUME	377299.135	3747562.816	19.26
LOCATION	L0000207	VOLUME	377299.117	3747566.473	19.29
LOCATION	L0000208	VOLUME	377299.098	3747570.131	19.33
LOCATION	L0000209	VOLUME	377299.080	3747573.788	19.37
LOCATION	L0000210	VOLUME	377299.062	3747577.446	19.41
LOCATION	L0000211	VOLUME	377299.043	3747581.104	19.45
LOCATION	L0000212	VOLUME	377299.025	3747584.761	19.49
LOCATION	L0000213	VOLUME	377299.006	3747588.419	19.53
LOCATION	L0000214	VOLUME	377298.988	3747592.076	19.57
LOCATION	L0000215	VOLUME	377298.970	3747595.734	19.60
LOCATION	L0000216	VOLUME	377298.951	3747599.391	19.63
LOCATION	L0000217	VOLUME	377298.933	3747603.049	19.67
LOCATION	L0000218	VOLUME	377298.914	3747606.706	19.70
LOCATION	L0000219	VOLUME	377298.896	3747610.364	19.73
LOCATION	L0000220	VOLUME	377298.878	3747614.022	19.76
LOCATION	L0000221	VOLUME	377298.859	3747617.679	19.79
LOCATION	L0000222	VOLUME	377298.841	3747621.337	19.82
LOCATION	L0000223	VOLUME	377298.822	3747624.994	19.85
LOCATION	L0000224	VOLUME	377298.804	3747628.652	19.88
LOCATION	L0000225	VOLUME	377298.785	3747632.309	19.90
LOCATION	L0000226	VOLUME	377298.767	3747635.967	19.92
LOCATION	L0000227	VOLUME	377298.749	3747639.624	19.95
LOCATION	L0000228	VOLUME	377298.730	3747643.282	19.97
LOCATION	L0000229	VOLUME	377298.712	3747646.940	20.00
LOCATION	L0000230	VOLUME	377298.693	3747650.597	20.02
LOCATION	L0000231	VOLUME	377298.675	3747654.255	20.05
LOCATION	L0000232	VOLUME	377298.657	3747657.912	20.07
LOCATION	L0000233	VOLUME	377298.638	3747661.570	20.10
LOCATION	L0000234	VOLUME	377298.620	3747665.227	20.12
LOCATION	L0000235	VOLUME	377298.601	3747668.885	20.15
LOCATION	L0000236	VOLUME	377298.583	3747672.542	20.18
LOCATION	L0000237	VOLUME	377298.565	3747676.200	20.20
LOCATION	L0000238	VOLUME	377298.546	3747679.858	20.23
LOCATION	L0000239	VOLUME	377298.528	3747683.515	20.26
LOCATION	L0000240	VOLUME	377298.509	3747687.173	20.28
LOCATION	L0000241	VOLUME	377298.491	3747690.830	20.31
LOCATION	L0000242	VOLUME	377298.473	3747694.488	20.34
LOCATION	L0000243	VOLUME	377298.454	3747698.145	20.38
LOCATION	L0000244	VOLUME	377298.436	3747701.803	20.41
LOCATION	L0000245	VOLUME	377298.417	3747705.460	20.44
LOCATION	L0000246	VOLUME	377298.399	3747709.118	20.47
LOCATION	L0000247	VOLUME	377298.380	3747712.776	20.50
LOCATION	L0000248	VOLUME	377298.362	3747716.433	20.53
LOCATION	L0000249	VOLUME	377298.344	3747720.091	20.55
LOCATION	L0000250	VOLUME	377298.325	3747723.748	20.57
LOCATION	L0000251	VOLUME	377298.307	3747727.406	20.59

LOCATION	VOLUME				
LOCATION L0000252	VOLUME	377298.288	3747731.063	20.61	
LOCATION L0000253	VOLUME	377298.270	3747734.721	20.62	
LOCATION L0000254	VOLUME	377298.252	3747738.378	20.64	
LOCATION L0000255	VOLUME	377298.233	3747742.036	20.66	
LOCATION L0000256	VOLUME	377298.215	3747745.693	20.68	
LOCATION L0000257	VOLUME	377298.196	3747749.351	20.69	
LOCATION L0000258	VOLUME	377298.178	3747753.009	20.69	
LOCATION L0000259	VOLUME	377298.160	3747756.666	20.69	
LOCATION L0000260	VOLUME	377298.141	3747760.324	20.70	
LOCATION L0000261	VOLUME	377298.123	3747763.981	20.70	
LOCATION L0000262	VOLUME	377298.104	3747767.639	20.70	
LOCATION L0000263	VOLUME	377298.086	3747771.296	20.70	
LOCATION L0000264	VOLUME	377298.068	3747774.954	20.70	
LOCATION L0000265	VOLUME	377298.049	3747778.611	20.70	
LOCATION L0000266	VOLUME	377298.031	3747782.269	20.69	
LOCATION L0000267	VOLUME	377298.012	3747785.927	20.67	
LOCATION L0000268	VOLUME	377297.994	3747789.584	20.65	
LOCATION L0000269	VOLUME	377297.975	3747793.242	20.63	
LOCATION L0000270	VOLUME	377297.957	3747796.899	20.61	
LOCATION L0000271	VOLUME	377297.939	3747800.557	20.60	
LOCATION L0000272	VOLUME	377297.920	3747804.214	20.58	
LOCATION L0000273	VOLUME	377297.902	3747807.872	20.56	
LOCATION L0000274	VOLUME	377297.883	3747811.529	20.55	
LOCATION L0000275	VOLUME	377297.865	3747815.187	20.53	
LOCATION L0000276	VOLUME	377297.847	3747818.845	20.52	
LOCATION L0000277	VOLUME	377297.828	3747822.502	20.50	
LOCATION L0000278	VOLUME	377297.810	3747826.160	20.48	
LOCATION L0000279	VOLUME	377297.791	3747829.817	20.47	
LOCATION L0000280	VOLUME	377297.773	3747833.475	20.45	
LOCATION L0000281	VOLUME	377297.755	3747837.132	20.44	
LOCATION L0000282	VOLUME	377297.736	3747840.790	20.42	
LOCATION L0000283	VOLUME	377297.718	3747844.447	20.40	

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** End of LINE VOLUME Source ID = SLINE3
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Crenshaw Blvd n/o 190th St
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 3.25E-06
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 6
** 377156.337, 3747243.729, 18.13, 0.00, 1.70
** 377233.697, 3747379.881, 18.46, 0.00, 1.70
** 377255.357, 3747420.108, 18.51, 0.00, 1.70
** 377271.860, 3747448.989, 18.72, 0.00, 1.70
** 377280.112, 3747463.429, 18.72, 0.00, 1.70
** 377289.395, 3747481.996, 19.00, 0.00, 1.70

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LOCATION	L0000514	VOLUME	377157.241	3747245.319	18.15
LOCATION	L0000515	VOLUME	377159.048	3747248.499	18.13
LOCATION	L0000516	VOLUME	377160.854	3747251.679	18.12
LOCATION	L0000517	VOLUME	377162.661	3747254.859	18.10
LOCATION	L0000518	VOLUME	377164.468	3747258.039	18.08
LOCATION	L0000519	VOLUME	377166.275	3747261.220	18.06
LOCATION	L0000520	VOLUME	377168.082	3747264.400	18.04
LOCATION	L0000521	VOLUME	377169.889	3747267.580	18.03
LOCATION	L0000522	VOLUME	377171.696	3747270.760	18.03
LOCATION	L0000523	VOLUME	377173.503	3747273.940	18.03
LOCATION	L0000524	VOLUME	377175.310	3747277.120	18.04
LOCATION	L0000525	VOLUME	377177.116	3747280.300	18.06
LOCATION	L0000526	VOLUME	377178.923	3747283.480	18.09
LOCATION	L0000527	VOLUME	377180.730	3747286.661	18.12
LOCATION	L0000528	VOLUME	377182.537	3747289.841	18.14
LOCATION	L0000529	VOLUME	377184.344	3747293.021	18.15
LOCATION	L0000530	VOLUME	377186.151	3747296.201	18.17
LOCATION	L0000531	VOLUME	377187.958	3747299.381	18.18
LOCATION	L0000532	VOLUME	377189.765	3747302.561	18.19
LOCATION	L0000533	VOLUME	377191.572	3747305.741	18.19
LOCATION	L0000534	VOLUME	377193.378	3747308.921	18.18
LOCATION	L0000535	VOLUME	377195.185	3747312.102	18.18
LOCATION	L0000536	VOLUME	377196.992	3747315.282	18.17
LOCATION	L0000537	VOLUME	377198.799	3747318.462	18.16
LOCATION	L0000538	VOLUME	377200.606	3747321.642	18.14
LOCATION	L0000539	VOLUME	377202.413	3747324.822	18.14
LOCATION	L0000540	VOLUME	377204.220	3747328.002	18.14
LOCATION	L0000541	VOLUME	377206.027	3747331.182	18.15
LOCATION	L0000542	VOLUME	377207.834	3747334.362	18.17
LOCATION	L0000543	VOLUME	377209.640	3747337.543	18.20
LOCATION	L0000544	VOLUME	377211.447	3747340.723	18.24
LOCATION	L0000545	VOLUME	377213.254	3747343.903	18.28
LOCATION	L0000546	VOLUME	377215.061	3747347.083	18.33
LOCATION	L0000547	VOLUME	377216.868	3747350.263	18.34
LOCATION	L0000548	VOLUME	377218.675	3747353.443	18.31
LOCATION	L0000549	VOLUME	377220.482	3747356.623	18.29
LOCATION	L0000550	VOLUME	377222.289	3747359.803	18.28
LOCATION	L0000551	VOLUME	377224.096	3747362.984	18.27
LOCATION	L0000552	VOLUME	377225.902	3747366.164	18.27
LOCATION	L0000553	VOLUME	377227.709	3747369.344	18.28
LOCATION	L0000554	VOLUME	377229.516	3747372.524	18.29
LOCATION	L0000555	VOLUME	377231.323	3747375.704	18.32
LOCATION	L0000556	VOLUME	377233.130	3747378.884	18.34
LOCATION	L0000557	VOLUME	377234.887	3747382.092	18.38
LOCATION	L0000558	VOLUME	377236.621	3747385.312	18.40
LOCATION	L0000559	VOLUME	377238.355	3747388.533	18.43
LOCATION	L0000560	VOLUME	377240.089	3747391.753	18.44
LOCATION	L0000561	VOLUME	377241.823	3747394.974	18.45
LOCATION	L0000562	VOLUME	377243.557	3747398.194	18.44
LOCATION	L0000563	VOLUME	377245.291	3747401.414	18.43

LOCATION	VOLUME	377247.025	3747404.635	18.43
LOCATION L0000564	VOLUME	377247.025	3747404.635	18.43
LOCATION L0000565	VOLUME	377248.759	3747407.855	18.43
LOCATION L0000566	VOLUME	377250.493	3747411.076	18.43
LOCATION L0000567	VOLUME	377252.228	3747414.296	18.43
LOCATION L0000568	VOLUME	377253.962	3747417.517	18.44
LOCATION L0000569	VOLUME	377255.711	3747420.728	18.46
LOCATION L0000570	VOLUME	377257.526	3747423.904	18.48
LOCATION L0000571	VOLUME	377259.341	3747427.080	18.51
LOCATION L0000572	VOLUME	377261.155	3747430.255	18.55
LOCATION L0000573	VOLUME	377262.970	3747433.431	18.59
LOCATION L0000574	VOLUME	377264.785	3747436.607	18.64
LOCATION L0000575	VOLUME	377266.599	3747439.782	18.70
LOCATION L0000576	VOLUME	377268.414	3747442.958	18.72
LOCATION L0000577	VOLUME	377270.229	3747446.134	18.72
LOCATION L0000578	VOLUME	377272.044	3747449.309	18.71
LOCATION L0000579	VOLUME	377273.858	3747452.485	18.71
LOCATION L0000580	VOLUME	377275.673	3747455.661	18.70
LOCATION L0000581	VOLUME	377277.488	3747458.836	18.71
LOCATION L0000582	VOLUME	377279.302	3747462.012	18.71
LOCATION L0000583	VOLUME	377281.018	3747465.241	18.71
LOCATION L0000584	VOLUME	377282.654	3747468.512	18.71
LOCATION L0000585	VOLUME	377284.289	3747471.784	18.73
LOCATION L0000586	VOLUME	377285.925	3747475.055	18.77
LOCATION L0000587	VOLUME	377287.561	3747478.327	18.82
LOCATION L0000588	VOLUME	377289.196	3747481.598	18.88

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

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC 190th St west of 405 fwy SB ramps

\*\* PREFIX

\*\* Length of Side = 3.66

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000298

\*\* Elevated

\*\* Vertical Dimension = 3.66

\*\* SZINIT = 0.85

\*\* Nodes = 2

\*\* 377162.491, 3747238.163, 18.10, 0.00, 1.70

\*\* 378701.707, 3747243.918, 18.18, 0.00, 1.70

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LOCATION L0000589	VOLUME	377164.319	3747238.170	18.07
LOCATION L0000590	VOLUME	377167.977	3747238.184	18.06
LOCATION L0000591	VOLUME	377171.634	3747238.198	18.04
LOCATION L0000592	VOLUME	377175.292	3747238.211	18.03
LOCATION L0000593	VOLUME	377178.950	3747238.225	18.01
LOCATION L0000594	VOLUME	377182.607	3747238.239	18.00
LOCATION L0000595	VOLUME	377186.265	3747238.252	17.98
LOCATION L0000596	VOLUME	377189.922	3747238.266	17.97
LOCATION L0000597	VOLUME	377193.580	3747238.280	17.97
LOCATION L0000598	VOLUME	377197.237	3747238.293	17.97

LOCATION	L0000599	VOLUME	377200.895	3747238.307	17.97
LOCATION	L0000600	VOLUME	377204.553	3747238.321	17.96
LOCATION	L0000601	VOLUME	377208.210	3747238.334	17.96
LOCATION	L0000602	VOLUME	377211.868	3747238.348	17.96
LOCATION	L0000603	VOLUME	377215.525	3747238.362	17.94
LOCATION	L0000604	VOLUME	377219.183	3747238.375	17.89
LOCATION	L0000605	VOLUME	377222.840	3747238.389	17.85
LOCATION	L0000606	VOLUME	377226.498	3747238.403	17.81
LOCATION	L0000607	VOLUME	377230.156	3747238.416	17.77
LOCATION	L0000608	VOLUME	377233.813	3747238.430	17.73
LOCATION	L0000609	VOLUME	377237.471	3747238.444	17.68
LOCATION	L0000610	VOLUME	377241.128	3747238.457	17.67
LOCATION	L0000611	VOLUME	377244.786	3747238.471	17.68
LOCATION	L0000612	VOLUME	377248.444	3747238.485	17.70
LOCATION	L0000613	VOLUME	377252.101	3747238.499	17.71
LOCATION	L0000614	VOLUME	377255.759	3747238.512	17.73
LOCATION	L0000615	VOLUME	377259.416	3747238.526	17.74
LOCATION	L0000616	VOLUME	377263.074	3747238.540	17.76
LOCATION	L0000617	VOLUME	377266.731	3747238.553	17.77
LOCATION	L0000618	VOLUME	377270.389	3747238.567	17.78
LOCATION	L0000619	VOLUME	377274.047	3747238.581	17.79
LOCATION	L0000620	VOLUME	377277.704	3747238.594	17.81
LOCATION	L0000621	VOLUME	377281.362	3747238.608	17.82
LOCATION	L0000622	VOLUME	377285.019	3747238.622	17.83
LOCATION	L0000623	VOLUME	377288.677	3747238.635	17.84
LOCATION	L0000624	VOLUME	377292.334	3747238.649	17.86
LOCATION	L0000625	VOLUME	377295.992	3747238.663	17.90
LOCATION	L0000626	VOLUME	377299.650	3747238.676	17.93
LOCATION	L0000627	VOLUME	377303.307	3747238.690	17.97
LOCATION	L0000628	VOLUME	377306.965	3747238.704	18.01
LOCATION	L0000629	VOLUME	377310.622	3747238.717	18.05
LOCATION	L0000630	VOLUME	377314.280	3747238.731	18.09
LOCATION	L0000631	VOLUME	377317.937	3747238.745	18.13
LOCATION	L0000632	VOLUME	377321.595	3747238.758	18.17
LOCATION	L0000633	VOLUME	377325.253	3747238.772	18.22
LOCATION	L0000634	VOLUME	377328.910	3747238.786	18.26
LOCATION	L0000635	VOLUME	377332.568	3747238.799	18.31
LOCATION	L0000636	VOLUME	377336.225	3747238.813	18.36
LOCATION	L0000637	VOLUME	377339.883	3747238.827	18.40
LOCATION	L0000638	VOLUME	377343.540	3747238.840	18.44
LOCATION	L0000639	VOLUME	377347.198	3747238.854	18.48
LOCATION	L0000640	VOLUME	377350.856	3747238.868	18.52
LOCATION	L0000641	VOLUME	377354.513	3747238.881	18.56
LOCATION	L0000642	VOLUME	377358.171	3747238.895	18.60
LOCATION	L0000643	VOLUME	377361.828	3747238.909	18.64
LOCATION	L0000644	VOLUME	377365.486	3747238.922	18.68
LOCATION	L0000645	VOLUME	377369.143	3747238.936	18.72
LOCATION	L0000646	VOLUME	377372.801	3747238.950	18.75
LOCATION	L0000647	VOLUME	377376.459	3747238.963	18.78
LOCATION	L0000648	VOLUME	377380.116	3747238.977	18.80
LOCATION	L0000649	VOLUME	377383.774	3747238.991	18.83

LOCATION	L0000650	VOLUME	377387.431	3747239.004	18.86
LOCATION	L0000651	VOLUME	377391.089	3747239.018	18.89
LOCATION	L0000652	VOLUME	377394.746	3747239.032	18.93
LOCATION	L0000653	VOLUME	377398.404	3747239.045	18.98
LOCATION	L0000654	VOLUME	377402.062	3747239.059	19.04
LOCATION	L0000655	VOLUME	377405.719	3747239.073	19.09
LOCATION	L0000656	VOLUME	377409.377	3747239.087	19.15
LOCATION	L0000657	VOLUME	377413.034	3747239.100	19.20
LOCATION	L0000658	VOLUME	377416.692	3747239.114	19.26
LOCATION	L0000659	VOLUME	377420.350	3747239.128	19.31
LOCATION	L0000660	VOLUME	377424.007	3747239.141	19.35
LOCATION	L0000661	VOLUME	377427.665	3747239.155	19.39
LOCATION	L0000662	VOLUME	377431.322	3747239.169	19.43
LOCATION	L0000663	VOLUME	377434.980	3747239.182	19.46
LOCATION	L0000664	VOLUME	377438.637	3747239.196	19.50
LOCATION	L0000665	VOLUME	377442.295	3747239.210	19.54
LOCATION	L0000666	VOLUME	377445.953	3747239.223	19.58
LOCATION	L0000667	VOLUME	377449.610	3747239.237	19.61
LOCATION	L0000668	VOLUME	377453.268	3747239.251	19.65
LOCATION	L0000669	VOLUME	377456.925	3747239.264	19.68
LOCATION	L0000670	VOLUME	377460.583	3747239.278	19.71
LOCATION	L0000671	VOLUME	377464.240	3747239.292	19.74
LOCATION	L0000672	VOLUME	377467.898	3747239.305	19.78
LOCATION	L0000673	VOLUME	377471.556	3747239.319	19.80
LOCATION	L0000674	VOLUME	377475.213	3747239.333	19.80
LOCATION	L0000675	VOLUME	377478.871	3747239.346	19.80
LOCATION	L0000676	VOLUME	377482.528	3747239.360	19.80
LOCATION	L0000677	VOLUME	377486.186	3747239.374	19.79
LOCATION	L0000678	VOLUME	377489.843	3747239.387	19.79
LOCATION	L0000679	VOLUME	377493.501	3747239.401	19.79
LOCATION	L0000680	VOLUME	377497.159	3747239.415	19.78
LOCATION	L0000681	VOLUME	377500.816	3747239.428	19.76
LOCATION	L0000682	VOLUME	377504.474	3747239.442	19.74
LOCATION	L0000683	VOLUME	377508.131	3747239.456	19.72
LOCATION	L0000684	VOLUME	377511.789	3747239.469	19.70
LOCATION	L0000685	VOLUME	377515.446	3747239.483	19.68
LOCATION	L0000686	VOLUME	377519.104	3747239.497	19.66
LOCATION	L0000687	VOLUME	377522.762	3747239.510	19.64
LOCATION	L0000688	VOLUME	377526.419	3747239.524	19.62
LOCATION	L0000689	VOLUME	377530.077	3747239.538	19.60
LOCATION	L0000690	VOLUME	377533.734	3747239.551	19.58
LOCATION	L0000691	VOLUME	377537.392	3747239.565	19.56
LOCATION	L0000692	VOLUME	377541.049	3747239.579	19.54
LOCATION	L0000693	VOLUME	377544.707	3747239.592	19.53
LOCATION	L0000694	VOLUME	377548.365	3747239.606	19.51
LOCATION	L0000695	VOLUME	377552.022	3747239.620	19.50
LOCATION	L0000696	VOLUME	377555.680	3747239.634	19.49
LOCATION	L0000697	VOLUME	377559.337	3747239.647	19.47
LOCATION	L0000698	VOLUME	377562.995	3747239.661	19.46
LOCATION	L0000699	VOLUME	377566.652	3747239.675	19.45
LOCATION	L0000700	VOLUME	377570.310	3747239.688	19.44

LOCATION	L0000701	VOLUME	377573.968	3747239.702	19.43
LOCATION	L0000702	VOLUME	377577.625	3747239.716	19.40
LOCATION	L0000703	VOLUME	377581.283	3747239.729	19.37
LOCATION	L0000704	VOLUME	377584.940	3747239.743	19.34
LOCATION	L0000705	VOLUME	377588.598	3747239.757	19.31
LOCATION	L0000706	VOLUME	377592.256	3747239.770	19.28
LOCATION	L0000707	VOLUME	377595.913	3747239.784	19.25
LOCATION	L0000708	VOLUME	377599.571	3747239.798	19.23
LOCATION	L0000709	VOLUME	377603.228	3747239.811	19.21
LOCATION	L0000710	VOLUME	377606.886	3747239.825	19.20
LOCATION	L0000711	VOLUME	377610.543	3747239.839	19.19
LOCATION	L0000712	VOLUME	377614.201	3747239.852	19.18
LOCATION	L0000713	VOLUME	377617.859	3747239.866	19.16
LOCATION	L0000714	VOLUME	377621.516	3747239.880	19.15
LOCATION	L0000715	VOLUME	377625.174	3747239.893	19.14
LOCATION	L0000716	VOLUME	377628.831	3747239.907	19.12
LOCATION	L0000717	VOLUME	377632.489	3747239.921	19.09
LOCATION	L0000718	VOLUME	377636.146	3747239.934	19.07
LOCATION	L0000719	VOLUME	377639.804	3747239.948	19.05
LOCATION	L0000720	VOLUME	377643.462	3747239.962	19.03
LOCATION	L0000721	VOLUME	377647.119	3747239.975	19.01
LOCATION	L0000722	VOLUME	377650.777	3747239.989	18.99
LOCATION	L0000723	VOLUME	377654.434	3747240.003	18.96
LOCATION	L0000724	VOLUME	377658.092	3747240.016	18.94
LOCATION	L0000725	VOLUME	377661.749	3747240.030	18.91
LOCATION	L0000726	VOLUME	377665.407	3747240.044	18.89
LOCATION	L0000727	VOLUME	377669.065	3747240.057	18.86
LOCATION	L0000728	VOLUME	377672.722	3747240.071	18.84
LOCATION	L0000729	VOLUME	377676.380	3747240.085	18.81
LOCATION	L0000730	VOLUME	377680.037	3747240.098	18.79
LOCATION	L0000731	VOLUME	377683.695	3747240.112	18.78
LOCATION	L0000732	VOLUME	377687.352	3747240.126	18.76
LOCATION	L0000733	VOLUME	377691.010	3747240.139	18.74
LOCATION	L0000734	VOLUME	377694.668	3747240.153	18.73
LOCATION	L0000735	VOLUME	377698.325	3747240.167	18.71
LOCATION	L0000736	VOLUME	377701.983	3747240.181	18.69
LOCATION	L0000737	VOLUME	377705.640	3747240.194	18.67
LOCATION	L0000738	VOLUME	377709.298	3747240.208	18.65
LOCATION	L0000739	VOLUME	377712.955	3747240.222	18.63
LOCATION	L0000740	VOLUME	377716.613	3747240.235	18.61
LOCATION	L0000741	VOLUME	377720.271	3747240.249	18.59
LOCATION	L0000742	VOLUME	377723.928	3747240.263	18.56
LOCATION	L0000743	VOLUME	377727.586	3747240.276	18.54
LOCATION	L0000744	VOLUME	377731.243	3747240.290	18.52
LOCATION	L0000745	VOLUME	377734.901	3747240.304	18.49
LOCATION	L0000746	VOLUME	377738.558	3747240.317	18.47
LOCATION	L0000747	VOLUME	377742.216	3747240.331	18.44
LOCATION	L0000748	VOLUME	377745.874	3747240.345	18.42
LOCATION	L0000749	VOLUME	377749.531	3747240.358	18.40
LOCATION	L0000750	VOLUME	377753.189	3747240.372	18.37
LOCATION	L0000751	VOLUME	377756.846	3747240.386	18.34

LOCATION	L0000752	VOLUME	377760.504	3747240.399	18.31
LOCATION	L0000753	VOLUME	377764.162	3747240.413	18.29
LOCATION	L0000754	VOLUME	377767.819	3747240.427	18.26
LOCATION	L0000755	VOLUME	377771.477	3747240.440	18.23
LOCATION	L0000756	VOLUME	377775.134	3747240.454	18.20
LOCATION	L0000757	VOLUME	377778.792	3747240.468	18.17
LOCATION	L0000758	VOLUME	377782.449	3747240.481	18.18
LOCATION	L0000759	VOLUME	377786.107	3747240.495	18.19
LOCATION	L0000760	VOLUME	377789.765	3747240.509	18.19
LOCATION	L0000761	VOLUME	377793.422	3747240.522	18.20
LOCATION	L0000762	VOLUME	377797.080	3747240.536	18.21
LOCATION	L0000763	VOLUME	377800.737	3747240.550	18.22
LOCATION	L0000764	VOLUME	377804.395	3747240.563	18.23
LOCATION	L0000765	VOLUME	377808.052	3747240.577	18.23
LOCATION	L0000766	VOLUME	377811.710	3747240.591	18.24
LOCATION	L0000767	VOLUME	377815.368	3747240.604	18.25
LOCATION	L0000768	VOLUME	377819.025	3747240.618	18.26
LOCATION	L0000769	VOLUME	377822.683	3747240.632	18.26
LOCATION	L0000770	VOLUME	377826.340	3747240.645	18.27
LOCATION	L0000771	VOLUME	377829.998	3747240.659	18.28
LOCATION	L0000772	VOLUME	377833.655	3747240.673	18.28
LOCATION	L0000773	VOLUME	377837.313	3747240.686	18.29
LOCATION	L0000774	VOLUME	377840.971	3747240.700	18.29
LOCATION	L0000775	VOLUME	377844.628	3747240.714	18.29
LOCATION	L0000776	VOLUME	377848.286	3747240.728	18.29
LOCATION	L0000777	VOLUME	377851.943	3747240.741	18.29
LOCATION	L0000778	VOLUME	377855.601	3747240.755	18.30
LOCATION	L0000779	VOLUME	377859.258	3747240.769	18.32
LOCATION	L0000780	VOLUME	377862.916	3747240.782	18.34
LOCATION	L0000781	VOLUME	377866.574	3747240.796	18.36
LOCATION	L0000782	VOLUME	377870.231	3747240.810	18.39
LOCATION	L0000783	VOLUME	377873.889	3747240.823	18.41
LOCATION	L0000784	VOLUME	377877.546	3747240.837	18.44
LOCATION	L0000785	VOLUME	377881.204	3747240.851	18.46
LOCATION	L0000786	VOLUME	377884.861	3747240.864	18.49
LOCATION	L0000787	VOLUME	377888.519	3747240.878	18.51
LOCATION	L0000788	VOLUME	377892.177	3747240.892	18.54
LOCATION	L0000789	VOLUME	377895.834	3747240.905	18.56
LOCATION	L0000790	VOLUME	377899.492	3747240.919	18.59
LOCATION	L0000791	VOLUME	377903.149	3747240.933	18.61
LOCATION	L0000792	VOLUME	377906.807	3747240.946	18.64
LOCATION	L0000793	VOLUME	377910.464	3747240.960	18.66
LOCATION	L0000794	VOLUME	377914.122	3747240.974	18.68
LOCATION	L0000795	VOLUME	377917.780	3747240.987	18.71
LOCATION	L0000796	VOLUME	377921.437	3747241.001	18.73
LOCATION	L0000797	VOLUME	377925.095	3747241.015	18.76
LOCATION	L0000798	VOLUME	377928.752	3747241.028	18.78
LOCATION	L0000799	VOLUME	377932.410	3747241.042	18.81
LOCATION	L0000800	VOLUME	377936.068	3747241.056	18.85
LOCATION	L0000801	VOLUME	377939.725	3747241.069	18.90
LOCATION	L0000802	VOLUME	377943.383	3747241.083	18.95



LOCATION	L0000803	VOLUME	377947.040	3747241.097	19.00
LOCATION	L0000804	VOLUME	377950.698	3747241.110	19.05
LOCATION	L0000805	VOLUME	377954.355	3747241.124	19.10
LOCATION	L0000806	VOLUME	377958.013	3747241.138	19.15
LOCATION	L0000807	VOLUME	377961.671	3747241.151	19.17
LOCATION	L0000808	VOLUME	377965.328	3747241.165	19.17
LOCATION	L0000809	VOLUME	377968.986	3747241.179	19.17
LOCATION	L0000810	VOLUME	377972.643	3747241.192	19.17
LOCATION	L0000811	VOLUME	377976.301	3747241.206	19.16
LOCATION	L0000812	VOLUME	377979.958	3747241.220	19.16
LOCATION	L0000813	VOLUME	377983.616	3747241.233	19.16
LOCATION	L0000814	VOLUME	377987.274	3747241.247	19.17
LOCATION	L0000815	VOLUME	377990.931	3747241.261	19.19
LOCATION	L0000816	VOLUME	377994.589	3747241.274	19.20
LOCATION	L0000817	VOLUME	377998.246	3747241.288	19.22
LOCATION	L0000818	VOLUME	378001.904	3747241.302	19.24
LOCATION	L0000819	VOLUME	378005.561	3747241.316	19.25
LOCATION	L0000820	VOLUME	378009.219	3747241.329	19.27
LOCATION	L0000821	VOLUME	378012.877	3747241.343	19.28
LOCATION	L0000822	VOLUME	378016.534	3747241.357	19.30
LOCATION	L0000823	VOLUME	378020.192	3747241.370	19.31
LOCATION	L0000824	VOLUME	378023.849	3747241.384	19.32
LOCATION	L0000825	VOLUME	378027.507	3747241.398	19.34
LOCATION	L0000826	VOLUME	378031.164	3747241.411	19.35
LOCATION	L0000827	VOLUME	378034.822	3747241.425	19.37
LOCATION	L0000828	VOLUME	378038.480	3747241.439	19.40
LOCATION	L0000829	VOLUME	378042.137	3747241.452	19.44
LOCATION	L0000830	VOLUME	378045.795	3747241.466	19.49
LOCATION	L0000831	VOLUME	378049.452	3747241.480	19.53
LOCATION	L0000832	VOLUME	378053.110	3747241.493	19.57
LOCATION	L0000833	VOLUME	378056.767	3747241.507	19.62
LOCATION	L0000834	VOLUME	378060.425	3747241.521	19.66
LOCATION	L0000835	VOLUME	378064.083	3747241.534	19.68
LOCATION	L0000836	VOLUME	378067.740	3747241.548	19.69
LOCATION	L0000837	VOLUME	378071.398	3747241.562	19.70
LOCATION	L0000838	VOLUME	378075.055	3747241.575	19.70
LOCATION	L0000839	VOLUME	378078.713	3747241.589	19.71
LOCATION	L0000840	VOLUME	378082.370	3747241.603	19.72
LOCATION	L0000841	VOLUME	378086.028	3747241.616	19.72
LOCATION	L0000842	VOLUME	378089.686	3747241.630	19.74
LOCATION	L0000843	VOLUME	378093.343	3747241.644	19.76
LOCATION	L0000844	VOLUME	378097.001	3747241.657	19.78
LOCATION	L0000845	VOLUME	378100.658	3747241.671	19.80
LOCATION	L0000846	VOLUME	378104.316	3747241.685	19.83
LOCATION	L0000847	VOLUME	378107.974	3747241.698	19.85
LOCATION	L0000848	VOLUME	378111.631	3747241.712	19.87
LOCATION	L0000849	VOLUME	378115.289	3747241.726	19.88
LOCATION	L0000850	VOLUME	378118.946	3747241.739	19.89
LOCATION	L0000851	VOLUME	378122.604	3747241.753	19.90
LOCATION	L0000852	VOLUME	378126.261	3747241.767	19.90
LOCATION	L0000853	VOLUME	378129.919	3747241.780	19.91

LOCATION	L0000854	VOLUME	378133.577	3747241.794	19.91
LOCATION	L0000855	VOLUME	378137.234	3747241.808	19.92
LOCATION	L0000856	VOLUME	378140.892	3747241.821	19.92
LOCATION	L0000857	VOLUME	378144.549	3747241.835	19.91
LOCATION	L0000858	VOLUME	378148.207	3747241.849	19.91
LOCATION	L0000859	VOLUME	378151.864	3747241.863	19.91
LOCATION	L0000860	VOLUME	378155.522	3747241.876	19.90
LOCATION	L0000861	VOLUME	378159.180	3747241.890	19.90
LOCATION	L0000862	VOLUME	378162.837	3747241.904	19.90
LOCATION	L0000863	VOLUME	378166.495	3747241.917	19.88
LOCATION	L0000864	VOLUME	378170.152	3747241.931	19.84
LOCATION	L0000865	VOLUME	378173.810	3747241.945	19.80
LOCATION	L0000866	VOLUME	378177.467	3747241.958	19.77
LOCATION	L0000867	VOLUME	378181.125	3747241.972	19.73
LOCATION	L0000868	VOLUME	378184.783	3747241.986	19.69
LOCATION	L0000869	VOLUME	378188.440	3747241.999	19.66
LOCATION	L0000870	VOLUME	378192.098	3747242.013	19.64
LOCATION	L0000871	VOLUME	378195.755	3747242.027	19.66
LOCATION	L0000872	VOLUME	378199.413	3747242.040	19.67
LOCATION	L0000873	VOLUME	378203.070	3747242.054	19.68
LOCATION	L0000874	VOLUME	378206.728	3747242.068	19.69
LOCATION	L0000875	VOLUME	378210.386	3747242.081	19.70
LOCATION	L0000876	VOLUME	378214.043	3747242.095	19.71
LOCATION	L0000877	VOLUME	378217.701	3747242.109	19.71
LOCATION	L0000878	VOLUME	378221.358	3747242.122	19.70
LOCATION	L0000879	VOLUME	378225.016	3747242.136	19.70
LOCATION	L0000880	VOLUME	378228.673	3747242.150	19.69
LOCATION	L0000881	VOLUME	378232.331	3747242.163	19.68
LOCATION	L0000882	VOLUME	378235.989	3747242.177	19.67
LOCATION	L0000883	VOLUME	378239.646	3747242.191	19.66
LOCATION	L0000884	VOLUME	378243.304	3747242.204	19.64
LOCATION	L0000885	VOLUME	378246.961	3747242.218	19.59
LOCATION	L0000886	VOLUME	378250.619	3747242.232	19.54
LOCATION	L0000887	VOLUME	378254.276	3747242.245	19.50
LOCATION	L0000888	VOLUME	378257.934	3747242.259	19.45
LOCATION	L0000889	VOLUME	378261.592	3747242.273	19.40
LOCATION	L0000890	VOLUME	378265.249	3747242.286	19.35
LOCATION	L0000891	VOLUME	378268.907	3747242.300	19.33
LOCATION	L0000892	VOLUME	378272.564	3747242.314	19.34
LOCATION	L0000893	VOLUME	378276.222	3747242.327	19.36
LOCATION	L0000894	VOLUME	378279.880	3747242.341	19.37
LOCATION	L0000895	VOLUME	378283.537	3747242.355	19.39
LOCATION	L0000896	VOLUME	378287.195	3747242.368	19.40
LOCATION	L0000897	VOLUME	378290.852	3747242.382	19.42
LOCATION	L0000898	VOLUME	378294.510	3747242.396	19.43
LOCATION	L0000899	VOLUME	378298.167	3747242.410	19.42
LOCATION	L0000900	VOLUME	378301.825	3747242.423	19.42
LOCATION	L0000901	VOLUME	378305.483	3747242.437	19.42
LOCATION	L0000902	VOLUME	378309.140	3747242.451	19.41
LOCATION	L0000903	VOLUME	378312.798	3747242.464	19.41
LOCATION	L0000904	VOLUME	378316.455	3747242.478	19.41

LOCATION	L0000905	VOLUME	378320.113	3747242.492	19.40
LOCATION	L0000906	VOLUME	378323.770	3747242.505	19.37
LOCATION	L0000907	VOLUME	378327.428	3747242.519	19.35
LOCATION	L0000908	VOLUME	378331.086	3747242.533	19.32
LOCATION	L0000909	VOLUME	378334.743	3747242.546	19.30
LOCATION	L0000910	VOLUME	378338.401	3747242.560	19.27
LOCATION	L0000911	VOLUME	378342.058	3747242.574	19.25
LOCATION	L0000912	VOLUME	378345.716	3747242.587	19.23
LOCATION	L0000913	VOLUME	378349.373	3747242.601	19.22
LOCATION	L0000914	VOLUME	378353.031	3747242.615	19.22
LOCATION	L0000915	VOLUME	378356.689	3747242.628	19.21
LOCATION	L0000916	VOLUME	378360.346	3747242.642	19.20
LOCATION	L0000917	VOLUME	378364.004	3747242.656	19.20
LOCATION	L0000918	VOLUME	378367.661	3747242.669	19.19
LOCATION	L0000919	VOLUME	378371.319	3747242.683	19.18
LOCATION	L0000920	VOLUME	378374.976	3747242.697	19.19
LOCATION	L0000921	VOLUME	378378.634	3747242.710	19.19
LOCATION	L0000922	VOLUME	378382.292	3747242.724	19.19
LOCATION	L0000923	VOLUME	378385.949	3747242.738	19.19
LOCATION	L0000924	VOLUME	378389.607	3747242.751	19.19
LOCATION	L0000925	VOLUME	378393.264	3747242.765	19.19
LOCATION	L0000926	VOLUME	378396.922	3747242.779	19.18
LOCATION	L0000927	VOLUME	378400.579	3747242.792	19.15
LOCATION	L0000928	VOLUME	378404.237	3747242.806	19.12
LOCATION	L0000929	VOLUME	378407.895	3747242.820	19.09
LOCATION	L0000930	VOLUME	378411.552	3747242.833	19.05
LOCATION	L0000931	VOLUME	378415.210	3747242.847	19.02
LOCATION	L0000932	VOLUME	378418.867	3747242.861	18.99
LOCATION	L0000933	VOLUME	378422.525	3747242.874	18.97
LOCATION	L0000934	VOLUME	378426.182	3747242.888	19.00
LOCATION	L0000935	VOLUME	378429.840	3747242.902	19.03
LOCATION	L0000936	VOLUME	378433.498	3747242.915	19.07
LOCATION	L0000937	VOLUME	378437.155	3747242.929	19.10
LOCATION	L0000938	VOLUME	378440.813	3747242.943	19.13
LOCATION	L0000939	VOLUME	378444.470	3747242.957	19.17
LOCATION	L0000940	VOLUME	378448.128	3747242.970	19.19
LOCATION	L0000941	VOLUME	378451.786	3747242.984	19.19
LOCATION	L0000942	VOLUME	378455.443	3747242.998	19.18
LOCATION	L0000943	VOLUME	378459.101	3747243.011	19.18
LOCATION	L0000944	VOLUME	378462.758	3747243.025	19.17
LOCATION	L0000945	VOLUME	378466.416	3747243.039	19.17
LOCATION	L0000946	VOLUME	378470.073	3747243.052	19.17
LOCATION	L0000947	VOLUME	378473.731	3747243.066	19.16
LOCATION	L0000948	VOLUME	378477.389	3747243.080	19.14
LOCATION	L0000949	VOLUME	378481.046	3747243.093	19.11
LOCATION	L0000950	VOLUME	378484.704	3747243.107	19.08
LOCATION	L0000951	VOLUME	378488.361	3747243.121	19.06
LOCATION	L0000952	VOLUME	378492.019	3747243.134	19.03
LOCATION	L0000953	VOLUME	378495.676	3747243.148	19.01
LOCATION	L0000954	VOLUME	378499.334	3747243.162	18.98
LOCATION	L0000955	VOLUME	378502.992	3747243.175	18.96

LOCATION	L0000956	VOLUME	378506.649	3747243.189	18.94
LOCATION	L0000957	VOLUME	378510.307	3747243.203	18.92
LOCATION	L0000958	VOLUME	378513.964	3747243.216	18.90
LOCATION	L0000959	VOLUME	378517.622	3747243.230	18.88
LOCATION	L0000960	VOLUME	378521.279	3747243.244	18.87
LOCATION	L0000961	VOLUME	378524.937	3747243.257	18.85
LOCATION	L0000962	VOLUME	378528.595	3747243.271	18.83
LOCATION	L0000963	VOLUME	378532.252	3747243.285	18.82
LOCATION	L0000964	VOLUME	378535.910	3747243.298	18.81
LOCATION	L0000965	VOLUME	378539.567	3747243.312	18.79
LOCATION	L0000966	VOLUME	378543.225	3747243.326	18.78
LOCATION	L0000967	VOLUME	378546.882	3747243.339	18.76
LOCATION	L0000968	VOLUME	378550.540	3747243.353	18.75
LOCATION	L0000969	VOLUME	378554.198	3747243.367	18.72
LOCATION	L0000970	VOLUME	378557.855	3747243.380	18.70
LOCATION	L0000971	VOLUME	378561.513	3747243.394	18.68
LOCATION	L0000972	VOLUME	378565.170	3747243.408	18.66
LOCATION	L0000973	VOLUME	378568.828	3747243.421	18.63
LOCATION	L0000974	VOLUME	378572.485	3747243.435	18.61
LOCATION	L0000975	VOLUME	378576.143	3747243.449	18.59
LOCATION	L0000976	VOLUME	378579.801	3747243.462	18.60
LOCATION	L0000977	VOLUME	378583.458	3747243.476	18.61
LOCATION	L0000978	VOLUME	378587.116	3747243.490	18.62
LOCATION	L0000979	VOLUME	378590.773	3747243.504	18.63
LOCATION	L0000980	VOLUME	378594.431	3747243.517	18.65
LOCATION	L0000981	VOLUME	378598.088	3747243.531	18.66
LOCATION	L0000982	VOLUME	378601.746	3747243.545	18.67
LOCATION	L0000983	VOLUME	378605.404	3747243.558	18.68
LOCATION	L0000984	VOLUME	378609.061	3747243.572	18.68
LOCATION	L0000985	VOLUME	378612.719	3747243.586	18.69
LOCATION	L0000986	VOLUME	378616.376	3747243.599	18.69
LOCATION	L0000987	VOLUME	378620.034	3747243.613	18.69
LOCATION	L0000988	VOLUME	378623.692	3747243.627	18.70
LOCATION	L0000989	VOLUME	378627.349	3747243.640	18.70
LOCATION	L0000990	VOLUME	378631.007	3747243.654	18.68
LOCATION	L0000991	VOLUME	378634.664	3747243.668	18.65
LOCATION	L0000992	VOLUME	378638.322	3747243.681	18.63
LOCATION	L0000993	VOLUME	378641.979	3747243.695	18.60
LOCATION	L0000994	VOLUME	378645.637	3747243.709	18.57
LOCATION	L0000995	VOLUME	378649.295	3747243.722	18.55
LOCATION	L0000996	VOLUME	378652.952	3747243.736	18.52
LOCATION	L0000997	VOLUME	378656.610	3747243.750	18.49
LOCATION	L0000998	VOLUME	378660.267	3747243.763	18.47
LOCATION	L0000999	VOLUME	378663.925	3747243.777	18.44
LOCATION	L0001000	VOLUME	378667.582	3747243.791	18.41
LOCATION	L0001001	VOLUME	378671.240	3747243.804	18.39
LOCATION	L0001002	VOLUME	378674.898	3747243.818	18.36
LOCATION	L0001003	VOLUME	378678.555	3747243.832	18.33
LOCATION	L0001004	VOLUME	378682.213	3747243.845	18.33
LOCATION	L0001005	VOLUME	378685.870	3747243.859	18.34
LOCATION	L0001006	VOLUME	378689.528	3747243.873	18.35

LOCATION	L0001007	VOLUME	378693.185	3747243.886	18.35
LOCATION	L0001008	VOLUME	378696.843	3747243.900	18.36
LOCATION	L0001009	VOLUME	378700.501	3747243.914	18.36
** End of LINE VOLUME Source ID = SLINE5					
** Source Parameters **					
SRCPARAM	STCK1	0.000016	3.658	366.000	51.90000 0.091
SRCPARAM	STCK2	0.000016	3.658	366.000	51.90000 0.091
SRCPARAM	STCK3	0.000016	3.658	366.000	51.90000 0.091
SRCPARAM	STCK4	0.000016	3.658	366.000	51.90000 0.091
SRCPARAM	STCK5	0.000016	3.658	366.000	51.90000 0.091
SRCPARAM	STCK6	0.000016	3.658	366.000	51.90000 0.091
** LINE VOLUME Source ID = SLINE1					
SRCPARAM	L0000001	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000002	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000003	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000004	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000005	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000006	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000007	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000008	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000009	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000010	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000011	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000012	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000013	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000014	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000015	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000016	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000017	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000018	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000019	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000020	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000021	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000022	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000023	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000024	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000025	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000026	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000027	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000028	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000029	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000030	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000031	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000032	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000033	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000034	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000035	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000036	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000037	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000038	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000039	0.0000001127	0.00	1.70	5.10

SRCPARAM	L0000040	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000041	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000042	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000043	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000044	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000045	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000046	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000047	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000048	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000049	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000050	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000051	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000052	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000053	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000054	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000055	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000056	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000057	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000058	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000059	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000060	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000061	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000062	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000063	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000064	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000065	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000066	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000067	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000068	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000069	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000070	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000071	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000072	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000073	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000074	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000075	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000076	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000077	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000078	0.0000001127	0.00	1.70	5.10
SRCPARAM	L0000079	0.0000001127	0.00	1.70	5.10

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\*\* LINE VOLUME Source ID = SLINE2

SRCPARAM	L0000121	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000122	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000123	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000124	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000125	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000126	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000127	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000128	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000129	0.000000113	0.00	1.70	5.10

SRCPARAM	L0000130	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000131	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000132	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000133	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000134	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000135	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000136	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000137	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000138	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000139	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000140	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000141	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000142	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000143	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000144	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000145	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000146	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000147	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000148	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000149	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000150	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000151	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000152	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000153	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000154	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000155	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000156	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000157	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000158	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000159	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000160	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000161	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000162	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000163	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000164	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000165	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000166	0.000000113	0.00	1.70	5.10
SRCPARAM	L0000167	0.000000113	0.00	1.70	5.10

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 \*\* LINE VOLUME Source ID = SLINE3

SRCPARAM	L0000168	0.0000009828	0.00	1.70	0.85
SRCPARAM	L0000169	0.0000009828	0.00	1.70	0.85
SRCPARAM	L0000170	0.0000009828	0.00	1.70	0.85
SRCPARAM	L0000171	0.0000009828	0.00	1.70	0.85
SRCPARAM	L0000172	0.0000009828	0.00	1.70	0.85
SRCPARAM	L0000173	0.0000009828	0.00	1.70	0.85
SRCPARAM	L0000174	0.0000009828	0.00	1.70	0.85
SRCPARAM	L0000175	0.0000009828	0.00	1.70	0.85
SRCPARAM	L0000176	0.0000009828	0.00	1.70	0.85
SRCPARAM	L0000177	0.0000009828	0.00	1.70	0.85
SRCPARAM	L0000178	0.0000009828	0.00	1.70	0.85







SRCPARAM	L0000281	0.00000009828	0.00	1.70	0.85
SRCPARAM	L0000282	0.00000009828	0.00	1.70	0.85
SRCPARAM	L0000283	0.00000009828	0.00	1.70	0.85

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\*\* LINE VOLUME Source ID = SLINE4

SRCPARAM	L0000514	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000515	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000516	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000517	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000518	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000519	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000520	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000521	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000522	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000523	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000524	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000525	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000526	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000527	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000528	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000529	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000530	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000531	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000532	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000533	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000534	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000535	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000536	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000537	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000538	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000539	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000540	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000541	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000542	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000543	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000544	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000545	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000546	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000547	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000548	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000549	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000550	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000551	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000552	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000553	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000554	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000555	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000556	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000557	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000558	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000559	0.00000004333	0.00	1.70	0.85

SRCPARAM	L0000560	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000561	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000562	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000563	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000564	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000565	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000566	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000567	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000568	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000569	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000570	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000571	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000572	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000573	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000574	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000575	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000576	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000577	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000578	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000579	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000580	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000581	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000582	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000583	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000584	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000585	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000586	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000587	0.00000004333	0.00	1.70	0.85
SRCPARAM	L0000588	0.00000004333	0.00	1.70	0.85

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\*\* LINE VOLUME Source ID = SLINES

SRCPARAM	L0000589	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000590	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000591	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000592	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000593	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000594	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000595	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000596	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000597	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000598	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000599	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000600	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000601	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000602	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000603	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000604	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000605	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000606	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000607	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000608	0.00000007078	0.00	1.70	0.85

















SRCPARAM	L0000966	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000967	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000968	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000969	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000970	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000971	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000972	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000973	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000974	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000975	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000976	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000977	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000978	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000979	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000980	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000981	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000982	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000983	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000984	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000985	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000986	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000987	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000988	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000989	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000990	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000991	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000992	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000993	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000994	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000995	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000996	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000997	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000998	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0000999	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0001000	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0001001	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0001002	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0001003	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0001004	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0001005	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0001006	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0001007	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0001008	0.00000007078	0.00	1.70	0.85
SRCPARAM	L0001009	0.00000007078	0.00	1.70	0.85

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\*\* Building Downwash \*\*

BUILDHGT	STCK1	10.97	10.97	10.97	10.97	10.97	10.97
BUILDHGT	STCK1	10.97	10.97	10.97	10.97	10.97	10.97
BUILDHGT	STCK1	10.97	10.97	10.97	10.97	10.97	10.97
BUILDHGT	STCK1	10.97	10.97	10.97	10.97	10.97	10.97



BUILDWID	STCK3	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK3	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK3	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK3	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK3	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK3	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK4	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK4	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK4	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK4	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK4	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK4	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK5	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK5	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK5	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK5	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK5	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK5	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK6	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK6	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK6	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK6	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK6	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK6	231.78	250.76	262.13	265.53	260.86	249.57
BUILDLN	STCK1	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK1	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK1	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK1	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK1	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK1	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK2	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK2	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK2	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK2	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK2	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK2	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK3	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK3	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK3	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK3	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK3	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK3	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK4	144.21	176.80	205.75	231.78	250.76	262.13

BUILDLN	STCK4	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK4	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK4	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK4	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK4	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK5	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK5	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK5	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK5	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK5	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK5	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK5	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK6	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK6	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK6	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK6	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK6	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK6	258.65	240.82	215.68	183.99	146.70	107.24
XBADJ	STCK1	-115.36	-116.76	-114.61	-108.97	-100.03	-88.04
XBADJ	STCK1	-73.38	-56.50	-38.21	-36.96	-34.58	-31.16
XBADJ	STCK1	-26.78	-21.60	-15.75	-9.43	-2.82	3.22
XBADJ	STCK1	-28.85	-60.04	-91.14	-122.80	-150.73	-174.08
XBADJ	STCK1	-192.15	-204.37	-211.36	-227.05	-235.84	-237.46
XBADJ	STCK1	-231.87	-219.23	-199.93	-174.56	-143.88	-110.46
XBADJ	STCK2	-121.68	-128.23	-130.88	-129.56	-124.30	-115.26
XBADJ	STCK2	-102.72	-87.06	-69.08	-67.19	-63.26	-57.41
XBADJ	STCK2	-49.81	-40.70	-30.35	-19.08	-7.23	4.19
XBADJ	STCK2	-22.53	-48.57	-74.87	-102.22	-126.46	-146.87
XBADJ	STCK2	-162.80	-173.80	-180.49	-196.81	-207.16	-211.21
XBADJ	STCK2	-208.84	-200.13	-185.33	-164.91	-139.47	-111.43
XBADJ	STCK3	-126.63	-137.65	-144.49	-146.94	-144.93	-138.51
XBADJ	STCK3	-127.88	-113.37	-95.73	-93.38	-88.19	-80.32
XBADJ	STCK3	-70.01	-57.57	-43.39	-27.88	-11.53	4.52
XBADJ	STCK3	-17.58	-39.14	-61.26	-84.84	-105.84	-123.62
XBADJ	STCK3	-137.65	-147.50	-153.84	-170.63	-182.23	-188.29
XBADJ	STCK3	-188.64	-183.25	-172.30	-156.10	-135.17	-111.76
XBADJ	STCK4	-131.99	-148.21	-159.93	-166.78	-168.57	-165.24
XBADJ	STCK4	-156.89	-143.77	-126.60	-123.78	-117.20	-107.05
XBADJ	STCK4	-93.66	-77.42	-58.82	-38.44	-16.89	4.52
XBADJ	STCK4	-12.22	-28.59	-45.82	-64.99	-82.19	-96.89
XBADJ	STCK4	-108.64	-117.09	-122.97	-140.23	-153.22	-161.56
XBADJ	STCK4	-164.99	-163.41	-156.86	-145.55	-129.81	-111.76
XBADJ	STCK5	-136.96	-157.99	-174.23	-185.17	-190.48	-190.01
XBADJ	STCK5	-183.76	-171.93	-155.20	-151.94	-144.07	-131.82
XBADJ	STCK5	-115.57	-95.80	-73.12	-48.22	-21.86	4.52

XBADJ	STCK5	-7.25	-18.80	-31.52	-46.61	-60.28	-72.12
XBADJ	STCK5	-81.77	-88.93	-94.37	-112.06	-126.35	-136.79
XBADJ	STCK5	-143.08	-145.02	-142.56	-135.76	-124.84	-111.76
XBADJ	STCK6	-142.35	-168.30	-189.13	-204.21	-213.10	-215.50
XBADJ	STCK6	-211.36	-200.80	-184.45	-180.69	-171.45	-156.99
XBADJ	STCK6	-137.77	-114.36	-87.47	-57.93	-26.62	4.84
XBADJ	STCK6	-1.86	-8.50	-16.62	-27.56	-37.67	-46.63
XBADJ	STCK6	-54.17	-60.07	-65.12	-83.31	-98.97	-111.62
XBADJ	STCK6	-120.88	-126.47	-128.21	-126.06	-120.08	-112.08
YBADJ	STCK1	-95.04	-100.63	-103.15	-102.54	-98.82	-92.09
YBADJ	STCK1	-82.56	-70.53	-56.84	-43.26	-28.36	-11.73
YBADJ	STCK1	6.92	25.35	43.02	59.38	73.94	86.58
YBADJ	STCK1	95.04	100.63	103.15	102.54	98.82	92.09
YBADJ	STCK1	82.56	70.53	56.84	43.26	28.36	11.73
YBADJ	STCK1	-6.92	-25.35	-43.02	-59.38	-73.94	-86.58
YBADJ	STCK2	-64.81	-71.95	-76.90	-79.52	-79.72	-77.49
YBADJ	STCK2	-72.92	-66.12	-57.81	-49.57	-39.83	-28.01
YBADJ	STCK2	-13.67	1.08	15.80	30.04	43.37	55.71
YBADJ	STCK2	64.81	71.95	76.90	79.52	79.72	77.49
YBADJ	STCK2	72.92	66.12	57.81	49.57	39.83	28.01
YBADJ	STCK2	13.67	-1.08	-15.80	-30.04	-43.37	-55.71
YBADJ	STCK3	-38.62	-47.02	-53.99	-59.31	-62.84	-64.45
YBADJ	STCK3	-64.11	-61.82	-58.14	-54.53	-49.25	-41.62
YBADJ	STCK3	-31.05	-19.55	-7.44	4.88	17.06	29.06
YBADJ	STCK3	38.62	47.02	53.99	59.31	62.84	64.45
YBADJ	STCK3	64.11	61.82	58.14	54.53	49.25	41.62
YBADJ	STCK3	31.05	19.55	7.44	-4.88	-17.06	-29.06
YBADJ	STCK4	-8.22	-18.01	-27.25	-35.67	-43.00	-49.02
YBADJ	STCK4	-53.55	-56.46	-58.14	-59.89	-59.81	-57.05
YBADJ	STCK4	-50.90	-43.19	-34.18	-24.12	-13.34	-1.81
YBADJ	STCK4	8.22	18.01	27.25	35.67	43.00	49.02
YBADJ	STCK4	53.55	56.46	58.14	59.89	59.81	57.05
YBADJ	STCK4	50.90	43.19	34.18	24.12	13.34	1.81
YBADJ	STCK5	19.94	8.86	-2.48	-13.76	-24.61	-34.72
YBADJ	STCK5	-43.77	-51.49	-58.14	-64.85	-69.59	-71.35
YBADJ	STCK5	-69.28	-65.10	-58.95	-51.00	-41.50	-30.41
YBADJ	STCK5	-19.94	-8.86	2.48	13.76	24.61	34.72
YBADJ	STCK5	43.77	51.49	58.14	64.85	69.59	71.35
YBADJ	STCK5	69.28	65.10	58.95	51.00	41.50	30.41
YBADJ	STCK6	48.69	36.24	22.69	8.44	-6.06	-20.37
YBADJ	STCK6	-34.07	-46.73	-58.46	-70.25	-79.90	-86.25
YBADJ	STCK6	-88.33	-87.71	-84.44	-78.59	-70.36	-59.66
YBADJ	STCK6	-48.69	-36.24	-22.69	-8.44	6.06	20.37
YBADJ	STCK6	34.07	46.73	58.46	70.25	79.90	86.25

YBADJ STCK6 88.33 87.71 84.44 78.59 70.36 59.66

URBANSRC ALL  
SRCGROUP ALL

SO FINISHED

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\*\* AERMOD Receptor Pathway

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RE STARTING

INCLUDED "190th Street Warehouse 2022.rou"

RE FINISHED

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\*\* AERMOD Meteorology Pathway

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\*\*

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ME STARTING

SURFFILE "E:\New MET data\KHHR\_V9\_ADJU\KHHR\_v9.SFC"

PROFFILE "E:\New MET data\KHHR\_V9\_ADJU\KHHR\_v9.PFL"

SURFDATA 3167 2012

UAIRDATA 3190 2012

PROFBASE 19.0 METERS

ME FINISHED

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\*\*\*\*\*

\*\* AERMOD Output Pathway

\*\*\*\*\*

\*\*

\*\*

OU STARTING

\*\* Auto-Generated Plotfiles

PLOTFILE PERIOD ALL "190th Street Warehouse 2022.AD\PE00GALL.PLT" 31

SUMMFILE "190th Street Warehouse 2022.sum"

OU FINISHED

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

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

A Total of 0 Fatal Error Message(s)  
A Total of 8 Warning Message(s)  
A Total of 0 Informational Message(s)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*



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***** WARNING MESSAGES *****
SO W320      872      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      873      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      874      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      875      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      876      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      877      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
ME W186      1862     MEOPEN: THRESH_LMIN 1-min ASOS wind speed threshold used      0.50
ME W187      1862     MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

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*** AERMOD - VERSION 19191 ***      *** 190th St Warehouse 2022      ***      05/15/20
*** AERMET - VERSION 16216 ***      *** DPM concentrations      ***      10:04:10
*** MODELOPTs:   RegDFault  CONC  ELEV  URBAN  ADJ_U*      ***      PAGE 1

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\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

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

-- DEPOSITION LOGIC --

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**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 744 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9818605.0 ; Urban Roughness Length = 1.000 m

```

```

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

```

```

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

```

\*\*Model Assumes No FLAGPOLE Receptor Heights.

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

\*\*Model Calculates PERIOD Averages Only

\*\*This Run Includes: 744 Source(s); 1 Source Group(s); and 449 Receptor(s)

with: 6 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 738 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 RLINE/RLINEXT source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

\*\*The AERMET Input Meteorological Data Version Date: 16216

\*\*Output Options Selected:

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

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

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 19.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0  
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07  
Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 4.9 MB of RAM.

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

\*\*Detailed Error/Message File: 190th Street Warehouse 2022.err  
\*\*File for Summary of Results: 190th Street Warehouse 2022.sum

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\* 190th St Warehouse 2022 \*\*\* 05/15/20  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\* DPM concentrations \*\*\* 10:04:10  
PAGE 2

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* POINT SOURCE DATA \*\*\*

NUMBER	EMISSION RATE	BASE	STACK	STACK	STACK	STACK	BLDG	URBAN	CAP/	EMIS RATE
--------	---------------	------	-------	-------	-------	-------	------	-------	------	-----------





L0000065	0	0.11270E-06	377545.5	3747423.8	20.5	0.00	1.70	5.10	YES
L0000066	0	0.11270E-06	377549.1	3747423.8	20.6	0.00	1.70	5.10	YES
L0000067	0	0.11270E-06	377552.8	3747423.8	20.6	0.00	1.70	5.10	YES
L0000068	0	0.11270E-06	377556.4	3747423.8	20.6	0.00	1.70	5.10	YES
L0000069	0	0.11270E-06	377560.1	3747423.8	20.6	0.00	1.70	5.10	YES
L0000070	0	0.11270E-06	377563.7	3747423.9	20.5	0.00	1.70	5.10	YES
L0000071	0	0.11270E-06	377567.4	3747423.9	20.5	0.00	1.70	5.10	YES
L0000072	0	0.11270E-06	377571.1	3747423.9	20.5	0.00	1.70	5.10	YES
L0000073	0	0.11270E-06	377574.7	3747423.9	20.5	0.00	1.70	5.10	YES
L0000074	0	0.11270E-06	377578.4	3747423.9	20.5	0.00	1.70	5.10	YES
L0000075	0	0.11270E-06	377582.0	3747423.9	20.4	0.00	1.70	5.10	YES
L0000076	0	0.11270E-06	377585.7	3747424.0	20.4	0.00	1.70	5.10	YES
L0000077	0	0.11270E-06	377589.3	3747424.0	20.3	0.00	1.70	5.10	YES
L0000078	0	0.11270E-06	377593.0	3747424.0	20.3	0.00	1.70	5.10	YES
L0000079	0	0.11270E-06	377596.7	3747424.0	20.2	0.00	1.70	5.10	YES
L0000121	0	0.11300E-06	377606.9	3747421.7	20.1	0.00	1.70	5.10	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2022

\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations

\*\*\* 05/15/20

\*\*\* 10:04:10

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

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

SOURCE ID	PART. CATS.	NUMBER 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
L0000122	0	0.11300E-06	377606.9	3747418.1	20.2	0.00	1.70	5.10	YES	
L0000123	0	0.11300E-06	377606.9	3747414.4	20.2	0.00	1.70	5.10	YES	
L0000124	0	0.11300E-06	377606.9	3747410.8	20.3	0.00	1.70	5.10	YES	
L0000125	0	0.11300E-06	377606.9	3747407.1	20.3	0.00	1.70	5.10	YES	
L0000126	0	0.11300E-06	377606.9	3747403.5	20.3	0.00	1.70	5.10	YES	
L0000127	0	0.11300E-06	377606.9	3747399.8	20.3	0.00	1.70	5.10	YES	
L0000128	0	0.11300E-06	377606.9	3747396.1	20.3	0.00	1.70	5.10	YES	
L0000129	0	0.11300E-06	377607.0	3747392.5	20.3	0.00	1.70	5.10	YES	
L0000130	0	0.11300E-06	377607.0	3747388.8	20.3	0.00	1.70	5.10	YES	
L0000131	0	0.11300E-06	377607.0	3747385.2	20.3	0.00	1.70	5.10	YES	
L0000132	0	0.11300E-06	377607.0	3747381.5	20.3	0.00	1.70	5.10	YES	
L0000133	0	0.11300E-06	377607.0	3747377.8	20.3	0.00	1.70	5.10	YES	
L0000134	0	0.11300E-06	377607.0	3747374.2	20.3	0.00	1.70	5.10	YES	
L0000135	0	0.11300E-06	377607.0	3747370.5	20.3	0.00	1.70	5.10	YES	
L0000136	0	0.11300E-06	377607.0	3747366.9	20.2	0.00	1.70	5.10	YES	
L0000137	0	0.11300E-06	377607.0	3747363.2	20.1	0.00	1.70	5.10	YES	
L0000138	0	0.11300E-06	377607.0	3747359.6	20.1	0.00	1.70	5.10	YES	
L0000139	0	0.11300E-06	377607.1	3747355.9	20.0	0.00	1.70	5.10	YES	
L0000140	0	0.11300E-06	377607.1	3747352.2	20.0	0.00	1.70	5.10	YES	
L0000141	0	0.11300E-06	377607.1	3747348.6	19.9	0.00	1.70	5.10	YES	
L0000142	0	0.11300E-06	377607.1	3747344.9	19.9	0.00	1.70	5.10	YES	

L0000143	0	0.11300E-06	377607.1	3747341.3	19.8	0.00	1.70	5.10	YES
L0000144	0	0.11300E-06	377607.1	3747337.6	19.8	0.00	1.70	5.10	YES
L0000145	0	0.11300E-06	377607.1	3747334.0	19.8	0.00	1.70	5.10	YES
L0000146	0	0.11300E-06	377607.1	3747330.3	19.7	0.00	1.70	5.10	YES
L0000147	0	0.11300E-06	377607.1	3747326.6	19.7	0.00	1.70	5.10	YES
L0000148	0	0.11300E-06	377607.1	3747323.0	19.7	0.00	1.70	5.10	YES
L0000149	0	0.11300E-06	377607.1	3747319.3	19.6	0.00	1.70	5.10	YES
L0000150	0	0.11300E-06	377607.2	3747315.7	19.6	0.00	1.70	5.10	YES
L0000151	0	0.11300E-06	377607.2	3747312.0	19.6	0.00	1.70	5.10	YES
L0000152	0	0.11300E-06	377607.2	3747308.4	19.6	0.00	1.70	5.10	YES
L0000153	0	0.11300E-06	377607.2	3747304.7	19.6	0.00	1.70	5.10	YES
L0000154	0	0.11300E-06	377607.2	3747301.0	19.7	0.00	1.70	5.10	YES
L0000155	0	0.11300E-06	377607.2	3747297.4	19.7	0.00	1.70	5.10	YES
L0000156	0	0.11300E-06	377607.2	3747293.7	19.7	0.00	1.70	5.10	YES
L0000157	0	0.11300E-06	377607.2	3747290.1	19.7	0.00	1.70	5.10	YES
L0000158	0	0.11300E-06	377607.2	3747286.4	19.7	0.00	1.70	5.10	YES
L0000159	0	0.11300E-06	377607.2	3747282.8	19.8	0.00	1.70	5.10	YES
L0000160	0	0.11300E-06	377607.3	3747279.1	19.7	0.00	1.70	5.10	YES
L0000161	0	0.11300E-06	377607.3	3747275.4	19.6	0.00	1.70	5.10	YES

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2022  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations

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

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000162	0	0.11300E-06	377607.3	3747271.8	19.6	0.00	1.70	5.10	YES	
L0000163	0	0.11300E-06	377607.3	3747268.1	19.5	0.00	1.70	5.10	YES	
L0000164	0	0.11300E-06	377607.3	3747264.5	19.4	0.00	1.70	5.10	YES	
L0000165	0	0.11300E-06	377607.3	3747260.8	19.4	0.00	1.70	5.10	YES	
L0000166	0	0.11300E-06	377607.3	3747257.1	19.3	0.00	1.70	5.10	YES	
L0000167	0	0.11300E-06	377607.3	3747253.5	19.2	0.00	1.70	5.10	YES	
L0000168	0	0.98280E-07	377299.8	3747423.8	18.9	0.00	1.70	0.85	YES	
L0000169	0	0.98280E-07	377299.8	3747427.5	18.9	0.00	1.70	0.85	YES	
L0000170	0	0.98280E-07	377299.8	3747431.1	19.0	0.00	1.70	0.85	YES	
L0000171	0	0.98280E-07	377299.8	3747434.8	19.0	0.00	1.70	0.85	YES	
L0000172	0	0.98280E-07	377299.8	3747438.5	19.1	0.00	1.70	0.85	YES	
L0000173	0	0.98280E-07	377299.7	3747442.1	19.1	0.00	1.70	0.85	YES	
L0000174	0	0.98280E-07	377299.7	3747445.8	19.1	0.00	1.70	0.85	YES	
L0000175	0	0.98280E-07	377299.7	3747449.4	19.1	0.00	1.70	0.85	YES	
L0000176	0	0.98280E-07	377299.7	3747453.1	19.0	0.00	1.70	0.85	YES	
L0000177	0	0.98280E-07	377299.7	3747456.7	19.0	0.00	1.70	0.85	YES	
L0000178	0	0.98280E-07	377299.7	3747460.4	19.0	0.00	1.70	0.85	YES	
L0000179	0	0.98280E-07	377299.6	3747464.1	19.0	0.00	1.70	0.85	YES	

L0000180	0	0.98280E-07	377299.6	3747467.7	19.0	0.00	1.70	0.85	YES
L0000181	0	0.98280E-07	377299.6	3747471.4	19.0	0.00	1.70	0.85	YES
L0000182	0	0.98280E-07	377299.6	3747475.0	19.0	0.00	1.70	0.85	YES
L0000183	0	0.98280E-07	377299.6	3747478.7	19.0	0.00	1.70	0.85	YES
L0000184	0	0.98280E-07	377299.5	3747482.3	19.1	0.00	1.70	0.85	YES
L0000185	0	0.98280E-07	377299.5	3747486.0	19.1	0.00	1.70	0.85	YES
L0000186	0	0.98280E-07	377299.5	3747489.7	19.1	0.00	1.70	0.85	YES
L0000187	0	0.98280E-07	377299.5	3747493.3	19.2	0.00	1.70	0.85	YES
L0000188	0	0.98280E-07	377299.5	3747497.0	19.2	0.00	1.70	0.85	YES
L0000189	0	0.98280E-07	377299.4	3747500.6	19.2	0.00	1.70	0.85	YES
L0000190	0	0.98280E-07	377299.4	3747504.3	19.2	0.00	1.70	0.85	YES
L0000191	0	0.98280E-07	377299.4	3747508.0	19.2	0.00	1.70	0.85	YES
L0000192	0	0.98280E-07	377299.4	3747511.6	19.2	0.00	1.70	0.85	YES
L0000193	0	0.98280E-07	377299.4	3747515.3	19.2	0.00	1.70	0.85	YES
L0000194	0	0.98280E-07	377299.4	3747518.9	19.2	0.00	1.70	0.85	YES
L0000195	0	0.98280E-07	377299.3	3747522.6	19.2	0.00	1.70	0.85	YES
L0000196	0	0.98280E-07	377299.3	3747526.2	19.2	0.00	1.70	0.85	YES
L0000197	0	0.98280E-07	377299.3	3747529.9	19.2	0.00	1.70	0.85	YES
L0000198	0	0.98280E-07	377299.3	3747533.6	19.2	0.00	1.70	0.85	YES
L0000199	0	0.98280E-07	377299.3	3747537.2	19.2	0.00	1.70	0.85	YES
L0000200	0	0.98280E-07	377299.2	3747540.9	19.2	0.00	1.70	0.85	YES
L0000201	0	0.98280E-07	377299.2	3747544.5	19.2	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2022  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations

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

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE	
										SCALAR	VARY BY
L0000202	0	0.98280E-07	377299.2	3747548.2	19.2	0.00	1.70	0.85	YES		
L0000203	0	0.98280E-07	377299.2	3747551.8	19.2	0.00	1.70	0.85	YES		
L0000204	0	0.98280E-07	377299.2	3747555.5	19.2	0.00	1.70	0.85	YES		
L0000205	0	0.98280E-07	377299.2	3747559.2	19.2	0.00	1.70	0.85	YES		
L0000206	0	0.98280E-07	377299.1	3747562.8	19.3	0.00	1.70	0.85	YES		
L0000207	0	0.98280E-07	377299.1	3747566.5	19.3	0.00	1.70	0.85	YES		
L0000208	0	0.98280E-07	377299.1	3747570.1	19.3	0.00	1.70	0.85	YES		
L0000209	0	0.98280E-07	377299.1	3747573.8	19.4	0.00	1.70	0.85	YES		
L0000210	0	0.98280E-07	377299.1	3747577.4	19.4	0.00	1.70	0.85	YES		
L0000211	0	0.98280E-07	377299.0	3747581.1	19.4	0.00	1.70	0.85	YES		
L0000212	0	0.98280E-07	377299.0	3747584.8	19.5	0.00	1.70	0.85	YES		
L0000213	0	0.98280E-07	377299.0	3747588.4	19.5	0.00	1.70	0.85	YES		
L0000214	0	0.98280E-07	377299.0	3747592.1	19.6	0.00	1.70	0.85	YES		
L0000215	0	0.98280E-07	377299.0	3747595.7	19.6	0.00	1.70	0.85	YES		
L0000216	0	0.98280E-07	377299.0	3747599.4	19.6	0.00	1.70	0.85	YES		

L0000217	0	0.98280E-07	377298.9	3747603.0	19.7	0.00	1.70	0.85	YES
L0000218	0	0.98280E-07	377298.9	3747606.7	19.7	0.00	1.70	0.85	YES
L0000219	0	0.98280E-07	377298.9	3747610.4	19.7	0.00	1.70	0.85	YES
L0000220	0	0.98280E-07	377298.9	3747614.0	19.8	0.00	1.70	0.85	YES
L0000221	0	0.98280E-07	377298.9	3747617.7	19.8	0.00	1.70	0.85	YES
L0000222	0	0.98280E-07	377298.8	3747621.3	19.8	0.00	1.70	0.85	YES
L0000223	0	0.98280E-07	377298.8	3747625.0	19.9	0.00	1.70	0.85	YES
L0000224	0	0.98280E-07	377298.8	3747628.7	19.9	0.00	1.70	0.85	YES
L0000225	0	0.98280E-07	377298.8	3747632.3	19.9	0.00	1.70	0.85	YES
L0000226	0	0.98280E-07	377298.8	3747636.0	19.9	0.00	1.70	0.85	YES
L0000227	0	0.98280E-07	377298.7	3747639.6	19.9	0.00	1.70	0.85	YES
L0000228	0	0.98280E-07	377298.7	3747643.3	20.0	0.00	1.70	0.85	YES
L0000229	0	0.98280E-07	377298.7	3747646.9	20.0	0.00	1.70	0.85	YES
L0000230	0	0.98280E-07	377298.7	3747650.6	20.0	0.00	1.70	0.85	YES
L0000231	0	0.98280E-07	377298.7	3747654.3	20.1	0.00	1.70	0.85	YES
L0000232	0	0.98280E-07	377298.7	3747657.9	20.1	0.00	1.70	0.85	YES
L0000233	0	0.98280E-07	377298.6	3747661.6	20.1	0.00	1.70	0.85	YES
L0000234	0	0.98280E-07	377298.6	3747665.2	20.1	0.00	1.70	0.85	YES
L0000235	0	0.98280E-07	377298.6	3747668.9	20.2	0.00	1.70	0.85	YES
L0000236	0	0.98280E-07	377298.6	3747672.5	20.2	0.00	1.70	0.85	YES
L0000237	0	0.98280E-07	377298.6	3747676.2	20.2	0.00	1.70	0.85	YES
L0000238	0	0.98280E-07	377298.5	3747679.9	20.2	0.00	1.70	0.85	YES
L0000239	0	0.98280E-07	377298.5	3747683.5	20.3	0.00	1.70	0.85	YES
L0000240	0	0.98280E-07	377298.5	3747687.2	20.3	0.00	1.70	0.85	YES
L0000241	0	0.98280E-07	377298.5	3747690.8	20.3	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2022  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations

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

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000242	0	0.98280E-07	377298.5	3747694.5	20.3	0.00	1.70	0.85	YES	
L0000243	0	0.98280E-07	377298.5	3747698.1	20.4	0.00	1.70	0.85	YES	
L0000244	0	0.98280E-07	377298.4	3747701.8	20.4	0.00	1.70	0.85	YES	
L0000245	0	0.98280E-07	377298.4	3747705.5	20.4	0.00	1.70	0.85	YES	
L0000246	0	0.98280E-07	377298.4	3747709.1	20.5	0.00	1.70	0.85	YES	
L0000247	0	0.98280E-07	377298.4	3747712.8	20.5	0.00	1.70	0.85	YES	
L0000248	0	0.98280E-07	377298.4	3747716.4	20.5	0.00	1.70	0.85	YES	
L0000249	0	0.98280E-07	377298.3	3747720.1	20.6	0.00	1.70	0.85	YES	
L0000250	0	0.98280E-07	377298.3	3747723.7	20.6	0.00	1.70	0.85	YES	
L0000251	0	0.98280E-07	377298.3	3747727.4	20.6	0.00	1.70	0.85	YES	
L0000252	0	0.98280E-07	377298.3	3747731.1	20.6	0.00	1.70	0.85	YES	
L0000253	0	0.98280E-07	377298.3	3747734.7	20.6	0.00	1.70	0.85	YES	



L0000254	0	0.98280E-07	377298.3	3747738.4	20.6	0.00	1.70	0.85	YES
L0000255	0	0.98280E-07	377298.2	3747742.0	20.7	0.00	1.70	0.85	YES
L0000256	0	0.98280E-07	377298.2	3747745.7	20.7	0.00	1.70	0.85	YES
L0000257	0	0.98280E-07	377298.2	3747749.4	20.7	0.00	1.70	0.85	YES
L0000258	0	0.98280E-07	377298.2	3747753.0	20.7	0.00	1.70	0.85	YES
L0000259	0	0.98280E-07	377298.2	3747756.7	20.7	0.00	1.70	0.85	YES
L0000260	0	0.98280E-07	377298.1	3747760.3	20.7	0.00	1.70	0.85	YES
L0000261	0	0.98280E-07	377298.1	3747764.0	20.7	0.00	1.70	0.85	YES
L0000262	0	0.98280E-07	377298.1	3747767.6	20.7	0.00	1.70	0.85	YES
L0000263	0	0.98280E-07	377298.1	3747771.3	20.7	0.00	1.70	0.85	YES
L0000264	0	0.98280E-07	377298.1	3747775.0	20.7	0.00	1.70	0.85	YES
L0000265	0	0.98280E-07	377298.0	3747778.6	20.7	0.00	1.70	0.85	YES
L0000266	0	0.98280E-07	377298.0	3747782.3	20.7	0.00	1.70	0.85	YES
L0000267	0	0.98280E-07	377298.0	3747785.9	20.7	0.00	1.70	0.85	YES
L0000268	0	0.98280E-07	377298.0	3747789.6	20.7	0.00	1.70	0.85	YES
L0000269	0	0.98280E-07	377298.0	3747793.2	20.6	0.00	1.70	0.85	YES
L0000270	0	0.98280E-07	377298.0	3747796.9	20.6	0.00	1.70	0.85	YES
L0000271	0	0.98280E-07	377297.9	3747800.6	20.6	0.00	1.70	0.85	YES
L0000272	0	0.98280E-07	377297.9	3747804.2	20.6	0.00	1.70	0.85	YES
L0000273	0	0.98280E-07	377297.9	3747807.9	20.6	0.00	1.70	0.85	YES
L0000274	0	0.98280E-07	377297.9	3747811.5	20.6	0.00	1.70	0.85	YES
L0000275	0	0.98280E-07	377297.9	3747815.2	20.5	0.00	1.70	0.85	YES
L0000276	0	0.98280E-07	377297.8	3747818.8	20.5	0.00	1.70	0.85	YES
L0000277	0	0.98280E-07	377297.8	3747822.5	20.5	0.00	1.70	0.85	YES
L0000278	0	0.98280E-07	377297.8	3747826.2	20.5	0.00	1.70	0.85	YES
L0000279	0	0.98280E-07	377297.8	3747829.8	20.5	0.00	1.70	0.85	YES
L0000280	0	0.98280E-07	377297.8	3747833.5	20.4	0.00	1.70	0.85	YES
L0000281	0	0.98280E-07	377297.8	3747837.1	20.4	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2022  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations

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

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000282	0	0.98280E-07	377297.7	3747840.8	20.4	0.00	1.70	0.85	YES	
L0000283	0	0.98280E-07	377297.7	3747844.4	20.4	0.00	1.70	0.85	YES	
L0000514	0	0.43330E-07	377157.2	3747245.3	18.2	0.00	1.70	0.85	YES	
L0000515	0	0.43330E-07	377159.0	3747248.5	18.1	0.00	1.70	0.85	YES	
L0000516	0	0.43330E-07	377160.9	3747251.7	18.1	0.00	1.70	0.85	YES	
L0000517	0	0.43330E-07	377162.7	3747254.9	18.1	0.00	1.70	0.85	YES	
L0000518	0	0.43330E-07	377164.5	3747258.0	18.1	0.00	1.70	0.85	YES	
L0000519	0	0.43330E-07	377166.3	3747261.2	18.1	0.00	1.70	0.85	YES	
L0000520	0	0.43330E-07	377168.1	3747264.4	18.0	0.00	1.70	0.85	YES	





L0000595	0	0.70780E-07	377186.3	3747238.3	18.0	0.00	1.70	0.85	YES
L0000596	0	0.70780E-07	377189.9	3747238.3	18.0	0.00	1.70	0.85	YES
L0000597	0	0.70780E-07	377193.6	3747238.3	18.0	0.00	1.70	0.85	YES
L0000598	0	0.70780E-07	377197.2	3747238.3	18.0	0.00	1.70	0.85	YES
L0000599	0	0.70780E-07	377200.9	3747238.3	18.0	0.00	1.70	0.85	YES
L0000600	0	0.70780E-07	377204.6	3747238.3	18.0	0.00	1.70	0.85	YES
L0000601	0	0.70780E-07	377208.2	3747238.3	18.0	0.00	1.70	0.85	YES
L0000602	0	0.70780E-07	377211.9	3747238.3	18.0	0.00	1.70	0.85	YES
L0000603	0	0.70780E-07	377215.5	3747238.4	17.9	0.00	1.70	0.85	YES
L0000604	0	0.70780E-07	377219.2	3747238.4	17.9	0.00	1.70	0.85	YES
L0000605	0	0.70780E-07	377222.8	3747238.4	17.9	0.00	1.70	0.85	YES
L0000606	0	0.70780E-07	377226.5	3747238.4	17.8	0.00	1.70	0.85	YES
L0000607	0	0.70780E-07	377230.2	3747238.4	17.8	0.00	1.70	0.85	YES
L0000608	0	0.70780E-07	377233.8	3747238.4	17.7	0.00	1.70	0.85	YES
L0000609	0	0.70780E-07	377237.5	3747238.4	17.7	0.00	1.70	0.85	YES
L0000610	0	0.70780E-07	377241.1	3747238.5	17.7	0.00	1.70	0.85	YES
L0000611	0	0.70780E-07	377244.8	3747238.5	17.7	0.00	1.70	0.85	YES
L0000612	0	0.70780E-07	377248.4	3747238.5	17.7	0.00	1.70	0.85	YES
L0000613	0	0.70780E-07	377252.1	3747238.5	17.7	0.00	1.70	0.85	YES
L0000614	0	0.70780E-07	377255.8	3747238.5	17.7	0.00	1.70	0.85	YES
L0000615	0	0.70780E-07	377259.4	3747238.5	17.7	0.00	1.70	0.85	YES
L0000616	0	0.70780E-07	377263.1	3747238.5	17.8	0.00	1.70	0.85	YES
L0000617	0	0.70780E-07	377266.7	3747238.6	17.8	0.00	1.70	0.85	YES
L0000618	0	0.70780E-07	377270.4	3747238.6	17.8	0.00	1.70	0.85	YES
L0000619	0	0.70780E-07	377274.0	3747238.6	17.8	0.00	1.70	0.85	YES
L0000620	0	0.70780E-07	377277.7	3747238.6	17.8	0.00	1.70	0.85	YES
L0000621	0	0.70780E-07	377281.4	3747238.6	17.8	0.00	1.70	0.85	YES
L0000622	0	0.70780E-07	377285.0	3747238.6	17.8	0.00	1.70	0.85	YES
L0000623	0	0.70780E-07	377288.7	3747238.6	17.8	0.00	1.70	0.85	YES
L0000624	0	0.70780E-07	377292.3	3747238.6	17.9	0.00	1.70	0.85	YES
L0000625	0	0.70780E-07	377296.0	3747238.7	17.9	0.00	1.70	0.85	YES
L0000626	0	0.70780E-07	377299.6	3747238.7	17.9	0.00	1.70	0.85	YES
L0000627	0	0.70780E-07	377303.3	3747238.7	18.0	0.00	1.70	0.85	YES
L0000628	0	0.70780E-07	377307.0	3747238.7	18.0	0.00	1.70	0.85	YES
L0000629	0	0.70780E-07	377310.6	3747238.7	18.1	0.00	1.70	0.85	YES
L0000630	0	0.70780E-07	377314.3	3747238.7	18.1	0.00	1.70	0.85	YES
L0000631	0	0.70780E-07	377317.9	3747238.7	18.1	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2022  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations

\*\*\*      05/15/20  
 \*\*\*      10:04:10  
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\*\*\* MODELOPTs:      RegDFault CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
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L0000632	0	0.70780E-07	377321.6	3747238.8	18.2	0.00	1.70	0.85	YES
L0000633	0	0.70780E-07	377325.3	3747238.8	18.2	0.00	1.70	0.85	YES
L0000634	0	0.70780E-07	377328.9	3747238.8	18.3	0.00	1.70	0.85	YES
L0000635	0	0.70780E-07	377332.6	3747238.8	18.3	0.00	1.70	0.85	YES
L0000636	0	0.70780E-07	377336.2	3747238.8	18.4	0.00	1.70	0.85	YES
L0000637	0	0.70780E-07	377339.9	3747238.8	18.4	0.00	1.70	0.85	YES
L0000638	0	0.70780E-07	377343.5	3747238.8	18.4	0.00	1.70	0.85	YES
L0000639	0	0.70780E-07	377347.2	3747238.9	18.5	0.00	1.70	0.85	YES
L0000640	0	0.70780E-07	377350.9	3747238.9	18.5	0.00	1.70	0.85	YES
L0000641	0	0.70780E-07	377354.5	3747238.9	18.6	0.00	1.70	0.85	YES
L0000642	0	0.70780E-07	377358.2	3747238.9	18.6	0.00	1.70	0.85	YES
L0000643	0	0.70780E-07	377361.8	3747238.9	18.6	0.00	1.70	0.85	YES
L0000644	0	0.70780E-07	377365.5	3747238.9	18.7	0.00	1.70	0.85	YES
L0000645	0	0.70780E-07	377369.1	3747238.9	18.7	0.00	1.70	0.85	YES
L0000646	0	0.70780E-07	377372.8	3747238.9	18.8	0.00	1.70	0.85	YES
L0000647	0	0.70780E-07	377376.5	3747239.0	18.8	0.00	1.70	0.85	YES
L0000648	0	0.70780E-07	377380.1	3747239.0	18.8	0.00	1.70	0.85	YES
L0000649	0	0.70780E-07	377383.8	3747239.0	18.8	0.00	1.70	0.85	YES
L0000650	0	0.70780E-07	377387.4	3747239.0	18.9	0.00	1.70	0.85	YES
L0000651	0	0.70780E-07	377391.1	3747239.0	18.9	0.00	1.70	0.85	YES
L0000652	0	0.70780E-07	377394.7	3747239.0	18.9	0.00	1.70	0.85	YES
L0000653	0	0.70780E-07	377398.4	3747239.0	19.0	0.00	1.70	0.85	YES
L0000654	0	0.70780E-07	377402.1	3747239.1	19.0	0.00	1.70	0.85	YES
L0000655	0	0.70780E-07	377405.7	3747239.1	19.1	0.00	1.70	0.85	YES
L0000656	0	0.70780E-07	377409.4	3747239.1	19.2	0.00	1.70	0.85	YES
L0000657	0	0.70780E-07	377413.0	3747239.1	19.2	0.00	1.70	0.85	YES
L0000658	0	0.70780E-07	377416.7	3747239.1	19.3	0.00	1.70	0.85	YES
L0000659	0	0.70780E-07	377420.3	3747239.1	19.3	0.00	1.70	0.85	YES
L0000660	0	0.70780E-07	377424.0	3747239.1	19.4	0.00	1.70	0.85	YES
L0000661	0	0.70780E-07	377427.7	3747239.2	19.4	0.00	1.70	0.85	YES
L0000662	0	0.70780E-07	377431.3	3747239.2	19.4	0.00	1.70	0.85	YES
L0000663	0	0.70780E-07	377435.0	3747239.2	19.5	0.00	1.70	0.85	YES
L0000664	0	0.70780E-07	377438.6	3747239.2	19.5	0.00	1.70	0.85	YES
L0000665	0	0.70780E-07	377442.3	3747239.2	19.5	0.00	1.70	0.85	YES
L0000666	0	0.70780E-07	377446.0	3747239.2	19.6	0.00	1.70	0.85	YES
L0000667	0	0.70780E-07	377449.6	3747239.2	19.6	0.00	1.70	0.85	YES
L0000668	0	0.70780E-07	377453.3	3747239.3	19.7	0.00	1.70	0.85	YES
L0000669	0	0.70780E-07	377456.9	3747239.3	19.7	0.00	1.70	0.85	YES
L0000670	0	0.70780E-07	377460.6	3747239.3	19.7	0.00	1.70	0.85	YES
L0000671	0	0.70780E-07	377464.2	3747239.3	19.7	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2022  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations

\*\*\*      05/15/20  
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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE	NUMBER PART.	EMISSION RATE (GRAMS/SEC)	X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY
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ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0000672	0	0.70780E-07	377467.9	3747239.3	19.8	0.00	1.70	0.85	YES
L0000673	0	0.70780E-07	377471.6	3747239.3	19.8	0.00	1.70	0.85	YES
L0000674	0	0.70780E-07	377475.2	3747239.3	19.8	0.00	1.70	0.85	YES
L0000675	0	0.70780E-07	377478.9	3747239.3	19.8	0.00	1.70	0.85	YES
L0000676	0	0.70780E-07	377482.5	3747239.4	19.8	0.00	1.70	0.85	YES
L0000677	0	0.70780E-07	377486.2	3747239.4	19.8	0.00	1.70	0.85	YES
L0000678	0	0.70780E-07	377489.8	3747239.4	19.8	0.00	1.70	0.85	YES
L0000679	0	0.70780E-07	377493.5	3747239.4	19.8	0.00	1.70	0.85	YES
L0000680	0	0.70780E-07	377497.2	3747239.4	19.8	0.00	1.70	0.85	YES
L0000681	0	0.70780E-07	377500.8	3747239.4	19.8	0.00	1.70	0.85	YES
L0000682	0	0.70780E-07	377504.5	3747239.4	19.7	0.00	1.70	0.85	YES
L0000683	0	0.70780E-07	377508.1	3747239.5	19.7	0.00	1.70	0.85	YES
L0000684	0	0.70780E-07	377511.8	3747239.5	19.7	0.00	1.70	0.85	YES
L0000685	0	0.70780E-07	377515.4	3747239.5	19.7	0.00	1.70	0.85	YES
L0000686	0	0.70780E-07	377519.1	3747239.5	19.7	0.00	1.70	0.85	YES
L0000687	0	0.70780E-07	377522.8	3747239.5	19.6	0.00	1.70	0.85	YES
L0000688	0	0.70780E-07	377526.4	3747239.5	19.6	0.00	1.70	0.85	YES
L0000689	0	0.70780E-07	377530.1	3747239.5	19.6	0.00	1.70	0.85	YES
L0000690	0	0.70780E-07	377533.7	3747239.6	19.6	0.00	1.70	0.85	YES
L0000691	0	0.70780E-07	377537.4	3747239.6	19.6	0.00	1.70	0.85	YES
L0000692	0	0.70780E-07	377541.0	3747239.6	19.5	0.00	1.70	0.85	YES
L0000693	0	0.70780E-07	377544.7	3747239.6	19.5	0.00	1.70	0.85	YES
L0000694	0	0.70780E-07	377548.4	3747239.6	19.5	0.00	1.70	0.85	YES
L0000695	0	0.70780E-07	377552.0	3747239.6	19.5	0.00	1.70	0.85	YES
L0000696	0	0.70780E-07	377555.7	3747239.6	19.5	0.00	1.70	0.85	YES
L0000697	0	0.70780E-07	377559.3	3747239.6	19.5	0.00	1.70	0.85	YES
L0000698	0	0.70780E-07	377563.0	3747239.7	19.5	0.00	1.70	0.85	YES
L0000699	0	0.70780E-07	377566.7	3747239.7	19.4	0.00	1.70	0.85	YES
L0000700	0	0.70780E-07	377570.3	3747239.7	19.4	0.00	1.70	0.85	YES
L0000701	0	0.70780E-07	377574.0	3747239.7	19.4	0.00	1.70	0.85	YES
L0000702	0	0.70780E-07	377577.6	3747239.7	19.4	0.00	1.70	0.85	YES
L0000703	0	0.70780E-07	377581.3	3747239.7	19.4	0.00	1.70	0.85	YES
L0000704	0	0.70780E-07	377584.9	3747239.7	19.3	0.00	1.70	0.85	YES
L0000705	0	0.70780E-07	377588.6	3747239.8	19.3	0.00	1.70	0.85	YES
L0000706	0	0.70780E-07	377592.3	3747239.8	19.3	0.00	1.70	0.85	YES
L0000707	0	0.70780E-07	377595.9	3747239.8	19.2	0.00	1.70	0.85	YES
L0000708	0	0.70780E-07	377599.6	3747239.8	19.2	0.00	1.70	0.85	YES
L0000709	0	0.70780E-07	377603.2	3747239.8	19.2	0.00	1.70	0.85	YES
L0000710	0	0.70780E-07	377606.9	3747239.8	19.2	0.00	1.70	0.85	YES
L0000711	0	0.70780E-07	377610.5	3747239.8	19.2	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*

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 \*\*\* 10:04:10  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000712	0	0.70780E-07	377614.2	3747239.9	19.2	0.00	1.70	0.85	YES	
L0000713	0	0.70780E-07	377617.9	3747239.9	19.2	0.00	1.70	0.85	YES	
L0000714	0	0.70780E-07	377621.5	3747239.9	19.2	0.00	1.70	0.85	YES	
L0000715	0	0.70780E-07	377625.2	3747239.9	19.1	0.00	1.70	0.85	YES	
L0000716	0	0.70780E-07	377628.8	3747239.9	19.1	0.00	1.70	0.85	YES	
L0000717	0	0.70780E-07	377632.5	3747239.9	19.1	0.00	1.70	0.85	YES	
L0000718	0	0.70780E-07	377636.1	3747239.9	19.1	0.00	1.70	0.85	YES	
L0000719	0	0.70780E-07	377639.8	3747239.9	19.1	0.00	1.70	0.85	YES	
L0000720	0	0.70780E-07	377643.5	3747240.0	19.0	0.00	1.70	0.85	YES	
L0000721	0	0.70780E-07	377647.1	3747240.0	19.0	0.00	1.70	0.85	YES	
L0000722	0	0.70780E-07	377650.8	3747240.0	19.0	0.00	1.70	0.85	YES	
L0000723	0	0.70780E-07	377654.4	3747240.0	19.0	0.00	1.70	0.85	YES	
L0000724	0	0.70780E-07	377658.1	3747240.0	18.9	0.00	1.70	0.85	YES	
L0000725	0	0.70780E-07	377661.7	3747240.0	18.9	0.00	1.70	0.85	YES	
L0000726	0	0.70780E-07	377665.4	3747240.0	18.9	0.00	1.70	0.85	YES	
L0000727	0	0.70780E-07	377669.1	3747240.1	18.9	0.00	1.70	0.85	YES	
L0000728	0	0.70780E-07	377672.7	3747240.1	18.8	0.00	1.70	0.85	YES	
L0000729	0	0.70780E-07	377676.4	3747240.1	18.8	0.00	1.70	0.85	YES	
L0000730	0	0.70780E-07	377680.0	3747240.1	18.8	0.00	1.70	0.85	YES	
L0000731	0	0.70780E-07	377683.7	3747240.1	18.8	0.00	1.70	0.85	YES	
L0000732	0	0.70780E-07	377687.4	3747240.1	18.8	0.00	1.70	0.85	YES	
L0000733	0	0.70780E-07	377691.0	3747240.1	18.7	0.00	1.70	0.85	YES	
L0000734	0	0.70780E-07	377694.7	3747240.2	18.7	0.00	1.70	0.85	YES	
L0000735	0	0.70780E-07	377698.3	3747240.2	18.7	0.00	1.70	0.85	YES	
L0000736	0	0.70780E-07	377702.0	3747240.2	18.7	0.00	1.70	0.85	YES	
L0000737	0	0.70780E-07	377705.6	3747240.2	18.7	0.00	1.70	0.85	YES	
L0000738	0	0.70780E-07	377709.3	3747240.2	18.7	0.00	1.70	0.85	YES	
L0000739	0	0.70780E-07	377713.0	3747240.2	18.6	0.00	1.70	0.85	YES	
L0000740	0	0.70780E-07	377716.6	3747240.2	18.6	0.00	1.70	0.85	YES	
L0000741	0	0.70780E-07	377720.3	3747240.2	18.6	0.00	1.70	0.85	YES	
L0000742	0	0.70780E-07	377723.9	3747240.3	18.6	0.00	1.70	0.85	YES	
L0000743	0	0.70780E-07	377727.6	3747240.3	18.5	0.00	1.70	0.85	YES	
L0000744	0	0.70780E-07	377731.2	3747240.3	18.5	0.00	1.70	0.85	YES	
L0000745	0	0.70780E-07	377734.9	3747240.3	18.5	0.00	1.70	0.85	YES	
L0000746	0	0.70780E-07	377738.6	3747240.3	18.5	0.00	1.70	0.85	YES	
L0000747	0	0.70780E-07	377742.2	3747240.3	18.4	0.00	1.70	0.85	YES	
L0000748	0	0.70780E-07	377745.9	3747240.3	18.4	0.00	1.70	0.85	YES	
L0000749	0	0.70780E-07	377749.5	3747240.4	18.4	0.00	1.70	0.85	YES	
L0000750	0	0.70780E-07	377753.2	3747240.4	18.4	0.00	1.70	0.85	YES	
L0000751	0	0.70780E-07	377756.8	3747240.4	18.3	0.00	1.70	0.85	YES	

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2022  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations

\*\*\*      05/15/20  
 \*\*\*      10:04:10  
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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000752	0	0.70780E-07	377760.5	3747240.4	18.3	0.00	1.70	0.85	YES	
L0000753	0	0.70780E-07	377764.2	3747240.4	18.3	0.00	1.70	0.85	YES	
L0000754	0	0.70780E-07	377767.8	3747240.4	18.3	0.00	1.70	0.85	YES	
L0000755	0	0.70780E-07	377771.5	3747240.4	18.2	0.00	1.70	0.85	YES	
L0000756	0	0.70780E-07	377775.1	3747240.5	18.2	0.00	1.70	0.85	YES	
L0000757	0	0.70780E-07	377778.8	3747240.5	18.2	0.00	1.70	0.85	YES	
L0000758	0	0.70780E-07	377782.4	3747240.5	18.2	0.00	1.70	0.85	YES	
L0000759	0	0.70780E-07	377786.1	3747240.5	18.2	0.00	1.70	0.85	YES	
L0000760	0	0.70780E-07	377789.8	3747240.5	18.2	0.00	1.70	0.85	YES	
L0000761	0	0.70780E-07	377793.4	3747240.5	18.2	0.00	1.70	0.85	YES	
L0000762	0	0.70780E-07	377797.1	3747240.5	18.2	0.00	1.70	0.85	YES	
L0000763	0	0.70780E-07	377800.7	3747240.5	18.2	0.00	1.70	0.85	YES	
L0000764	0	0.70780E-07	377804.4	3747240.6	18.2	0.00	1.70	0.85	YES	
L0000765	0	0.70780E-07	377808.1	3747240.6	18.2	0.00	1.70	0.85	YES	
L0000766	0	0.70780E-07	377811.7	3747240.6	18.2	0.00	1.70	0.85	YES	
L0000767	0	0.70780E-07	377815.4	3747240.6	18.2	0.00	1.70	0.85	YES	
L0000768	0	0.70780E-07	377819.0	3747240.6	18.3	0.00	1.70	0.85	YES	
L0000769	0	0.70780E-07	377822.7	3747240.6	18.3	0.00	1.70	0.85	YES	
L0000770	0	0.70780E-07	377826.3	3747240.6	18.3	0.00	1.70	0.85	YES	
L0000771	0	0.70780E-07	377830.0	3747240.7	18.3	0.00	1.70	0.85	YES	
L0000772	0	0.70780E-07	377833.7	3747240.7	18.3	0.00	1.70	0.85	YES	
L0000773	0	0.70780E-07	377837.3	3747240.7	18.3	0.00	1.70	0.85	YES	
L0000774	0	0.70780E-07	377841.0	3747240.7	18.3	0.00	1.70	0.85	YES	
L0000775	0	0.70780E-07	377844.6	3747240.7	18.3	0.00	1.70	0.85	YES	
L0000776	0	0.70780E-07	377848.3	3747240.7	18.3	0.00	1.70	0.85	YES	
L0000777	0	0.70780E-07	377851.9	3747240.7	18.3	0.00	1.70	0.85	YES	
L0000778	0	0.70780E-07	377855.6	3747240.8	18.3	0.00	1.70	0.85	YES	
L0000779	0	0.70780E-07	377859.3	3747240.8	18.3	0.00	1.70	0.85	YES	
L0000780	0	0.70780E-07	377862.9	3747240.8	18.3	0.00	1.70	0.85	YES	
L0000781	0	0.70780E-07	377866.6	3747240.8	18.4	0.00	1.70	0.85	YES	
L0000782	0	0.70780E-07	377870.2	3747240.8	18.4	0.00	1.70	0.85	YES	
L0000783	0	0.70780E-07	377873.9	3747240.8	18.4	0.00	1.70	0.85	YES	
L0000784	0	0.70780E-07	377877.5	3747240.8	18.4	0.00	1.70	0.85	YES	
L0000785	0	0.70780E-07	377881.2	3747240.9	18.5	0.00	1.70	0.85	YES	
L0000786	0	0.70780E-07	377884.9	3747240.9	18.5	0.00	1.70	0.85	YES	
L0000787	0	0.70780E-07	377888.5	3747240.9	18.5	0.00	1.70	0.85	YES	
L0000788	0	0.70780E-07	377892.2	3747240.9	18.5	0.00	1.70	0.85	YES	
L0000789	0	0.70780E-07	377895.8	3747240.9	18.6	0.00	1.70	0.85	YES	
L0000790	0	0.70780E-07	377899.5	3747240.9	18.6	0.00	1.70	0.85	YES	
L0000791	0	0.70780E-07	377903.1	3747240.9	18.6	0.00	1.70	0.85	YES	

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2022

\*\*\* 05/15/20



\*\*\* 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
L0000792	0	0.70780E-07	377906.8	3747240.9	18.6	0.00	1.70	0.85	YES	
L0000793	0	0.70780E-07	377910.5	3747241.0	18.7	0.00	1.70	0.85	YES	
L0000794	0	0.70780E-07	377914.1	3747241.0	18.7	0.00	1.70	0.85	YES	
L0000795	0	0.70780E-07	377917.8	3747241.0	18.7	0.00	1.70	0.85	YES	
L0000796	0	0.70780E-07	377921.4	3747241.0	18.7	0.00	1.70	0.85	YES	
L0000797	0	0.70780E-07	377925.1	3747241.0	18.8	0.00	1.70	0.85	YES	
L0000798	0	0.70780E-07	377928.8	3747241.0	18.8	0.00	1.70	0.85	YES	
L0000799	0	0.70780E-07	377932.4	3747241.0	18.8	0.00	1.70	0.85	YES	
L0000800	0	0.70780E-07	377936.1	3747241.1	18.9	0.00	1.70	0.85	YES	
L0000801	0	0.70780E-07	377939.7	3747241.1	18.9	0.00	1.70	0.85	YES	
L0000802	0	0.70780E-07	377943.4	3747241.1	18.9	0.00	1.70	0.85	YES	
L0000803	0	0.70780E-07	377947.0	3747241.1	19.0	0.00	1.70	0.85	YES	
L0000804	0	0.70780E-07	377950.7	3747241.1	19.1	0.00	1.70	0.85	YES	
L0000805	0	0.70780E-07	377954.4	3747241.1	19.1	0.00	1.70	0.85	YES	
L0000806	0	0.70780E-07	377958.0	3747241.1	19.2	0.00	1.70	0.85	YES	
L0000807	0	0.70780E-07	377961.7	3747241.2	19.2	0.00	1.70	0.85	YES	
L0000808	0	0.70780E-07	377965.3	3747241.2	19.2	0.00	1.70	0.85	YES	
L0000809	0	0.70780E-07	377969.0	3747241.2	19.2	0.00	1.70	0.85	YES	
L0000810	0	0.70780E-07	377972.6	3747241.2	19.2	0.00	1.70	0.85	YES	
L0000811	0	0.70780E-07	377976.3	3747241.2	19.2	0.00	1.70	0.85	YES	
L0000812	0	0.70780E-07	377980.0	3747241.2	19.2	0.00	1.70	0.85	YES	
L0000813	0	0.70780E-07	377983.6	3747241.2	19.2	0.00	1.70	0.85	YES	
L0000814	0	0.70780E-07	377987.3	3747241.2	19.2	0.00	1.70	0.85	YES	
L0000815	0	0.70780E-07	377990.9	3747241.3	19.2	0.00	1.70	0.85	YES	
L0000816	0	0.70780E-07	377994.6	3747241.3	19.2	0.00	1.70	0.85	YES	
L0000817	0	0.70780E-07	377998.2	3747241.3	19.2	0.00	1.70	0.85	YES	
L0000818	0	0.70780E-07	378001.9	3747241.3	19.2	0.00	1.70	0.85	YES	
L0000819	0	0.70780E-07	378005.6	3747241.3	19.2	0.00	1.70	0.85	YES	
L0000820	0	0.70780E-07	378009.2	3747241.3	19.3	0.00	1.70	0.85	YES	
L0000821	0	0.70780E-07	378012.9	3747241.3	19.3	0.00	1.70	0.85	YES	
L0000822	0	0.70780E-07	378016.5	3747241.4	19.3	0.00	1.70	0.85	YES	
L0000823	0	0.70780E-07	378020.2	3747241.4	19.3	0.00	1.70	0.85	YES	
L0000824	0	0.70780E-07	378023.8	3747241.4	19.3	0.00	1.70	0.85	YES	
L0000825	0	0.70780E-07	378027.5	3747241.4	19.3	0.00	1.70	0.85	YES	
L0000826	0	0.70780E-07	378031.2	3747241.4	19.4	0.00	1.70	0.85	YES	
L0000827	0	0.70780E-07	378034.8	3747241.4	19.4	0.00	1.70	0.85	YES	
L0000828	0	0.70780E-07	378038.5	3747241.4	19.4	0.00	1.70	0.85	YES	
L0000829	0	0.70780E-07	378042.1	3747241.5	19.4	0.00	1.70	0.85	YES	
L0000830	0	0.70780E-07	378045.8	3747241.5	19.5	0.00	1.70	0.85	YES	

L0000831 0 0.70780E-07 378049.5 3747241.5 19.5 0.00 1.70 0.85 YES

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2022  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations

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

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000832	0	0.70780E-07	378053.1	3747241.5	19.6	0.00	1.70	0.85	YES	
L0000833	0	0.70780E-07	378056.8	3747241.5	19.6	0.00	1.70	0.85	YES	
L0000834	0	0.70780E-07	378060.4	3747241.5	19.7	0.00	1.70	0.85	YES	
L0000835	0	0.70780E-07	378064.1	3747241.5	19.7	0.00	1.70	0.85	YES	
L0000836	0	0.70780E-07	378067.7	3747241.5	19.7	0.00	1.70	0.85	YES	
L0000837	0	0.70780E-07	378071.4	3747241.6	19.7	0.00	1.70	0.85	YES	
L0000838	0	0.70780E-07	378075.1	3747241.6	19.7	0.00	1.70	0.85	YES	
L0000839	0	0.70780E-07	378078.7	3747241.6	19.7	0.00	1.70	0.85	YES	
L0000840	0	0.70780E-07	378082.4	3747241.6	19.7	0.00	1.70	0.85	YES	
L0000841	0	0.70780E-07	378086.0	3747241.6	19.7	0.00	1.70	0.85	YES	
L0000842	0	0.70780E-07	378089.7	3747241.6	19.7	0.00	1.70	0.85	YES	
L0000843	0	0.70780E-07	378093.3	3747241.6	19.8	0.00	1.70	0.85	YES	
L0000844	0	0.70780E-07	378097.0	3747241.7	19.8	0.00	1.70	0.85	YES	
L0000845	0	0.70780E-07	378100.7	3747241.7	19.8	0.00	1.70	0.85	YES	
L0000846	0	0.70780E-07	378104.3	3747241.7	19.8	0.00	1.70	0.85	YES	
L0000847	0	0.70780E-07	378108.0	3747241.7	19.9	0.00	1.70	0.85	YES	
L0000848	0	0.70780E-07	378111.6	3747241.7	19.9	0.00	1.70	0.85	YES	
L0000849	0	0.70780E-07	378115.3	3747241.7	19.9	0.00	1.70	0.85	YES	
L0000850	0	0.70780E-07	378118.9	3747241.7	19.9	0.00	1.70	0.85	YES	
L0000851	0	0.70780E-07	378122.6	3747241.8	19.9	0.00	1.70	0.85	YES	
L0000852	0	0.70780E-07	378126.3	3747241.8	19.9	0.00	1.70	0.85	YES	
L0000853	0	0.70780E-07	378129.9	3747241.8	19.9	0.00	1.70	0.85	YES	
L0000854	0	0.70780E-07	378133.6	3747241.8	19.9	0.00	1.70	0.85	YES	
L0000855	0	0.70780E-07	378137.2	3747241.8	19.9	0.00	1.70	0.85	YES	
L0000856	0	0.70780E-07	378140.9	3747241.8	19.9	0.00	1.70	0.85	YES	
L0000857	0	0.70780E-07	378144.5	3747241.8	19.9	0.00	1.70	0.85	YES	
L0000858	0	0.70780E-07	378148.2	3747241.8	19.9	0.00	1.70	0.85	YES	
L0000859	0	0.70780E-07	378151.9	3747241.9	19.9	0.00	1.70	0.85	YES	
L0000860	0	0.70780E-07	378155.5	3747241.9	19.9	0.00	1.70	0.85	YES	
L0000861	0	0.70780E-07	378159.2	3747241.9	19.9	0.00	1.70	0.85	YES	
L0000862	0	0.70780E-07	378162.8	3747241.9	19.9	0.00	1.70	0.85	YES	
L0000863	0	0.70780E-07	378166.5	3747241.9	19.9	0.00	1.70	0.85	YES	
L0000864	0	0.70780E-07	378170.2	3747241.9	19.8	0.00	1.70	0.85	YES	
L0000865	0	0.70780E-07	378173.8	3747241.9	19.8	0.00	1.70	0.85	YES	
L0000866	0	0.70780E-07	378177.5	3747242.0	19.8	0.00	1.70	0.85	YES	
L0000867	0	0.70780E-07	378181.1	3747242.0	19.7	0.00	1.70	0.85	YES	

L0000868	0	0.70780E-07	378184.8	3747242.0	19.7	0.00	1.70	0.85	YES
L0000869	0	0.70780E-07	378188.4	3747242.0	19.7	0.00	1.70	0.85	YES
L0000870	0	0.70780E-07	378192.1	3747242.0	19.6	0.00	1.70	0.85	YES
L0000871	0	0.70780E-07	378195.8	3747242.0	19.7	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2022  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations

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

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000872	0	0.70780E-07	378199.4	3747242.0	19.7	0.00	1.70	0.85	YES	
L0000873	0	0.70780E-07	378203.1	3747242.1	19.7	0.00	1.70	0.85	YES	
L0000874	0	0.70780E-07	378206.7	3747242.1	19.7	0.00	1.70	0.85	YES	
L0000875	0	0.70780E-07	378210.4	3747242.1	19.7	0.00	1.70	0.85	YES	
L0000876	0	0.70780E-07	378214.0	3747242.1	19.7	0.00	1.70	0.85	YES	
L0000877	0	0.70780E-07	378217.7	3747242.1	19.7	0.00	1.70	0.85	YES	
L0000878	0	0.70780E-07	378221.4	3747242.1	19.7	0.00	1.70	0.85	YES	
L0000879	0	0.70780E-07	378225.0	3747242.1	19.7	0.00	1.70	0.85	YES	
L0000880	0	0.70780E-07	378228.7	3747242.1	19.7	0.00	1.70	0.85	YES	
L0000881	0	0.70780E-07	378232.3	3747242.2	19.7	0.00	1.70	0.85	YES	
L0000882	0	0.70780E-07	378236.0	3747242.2	19.7	0.00	1.70	0.85	YES	
L0000883	0	0.70780E-07	378239.6	3747242.2	19.7	0.00	1.70	0.85	YES	
L0000884	0	0.70780E-07	378243.3	3747242.2	19.6	0.00	1.70	0.85	YES	
L0000885	0	0.70780E-07	378247.0	3747242.2	19.6	0.00	1.70	0.85	YES	
L0000886	0	0.70780E-07	378250.6	3747242.2	19.5	0.00	1.70	0.85	YES	
L0000887	0	0.70780E-07	378254.3	3747242.2	19.5	0.00	1.70	0.85	YES	
L0000888	0	0.70780E-07	378257.9	3747242.3	19.4	0.00	1.70	0.85	YES	
L0000889	0	0.70780E-07	378261.6	3747242.3	19.4	0.00	1.70	0.85	YES	
L0000890	0	0.70780E-07	378265.2	3747242.3	19.4	0.00	1.70	0.85	YES	
L0000891	0	0.70780E-07	378268.9	3747242.3	19.3	0.00	1.70	0.85	YES	
L0000892	0	0.70780E-07	378272.6	3747242.3	19.3	0.00	1.70	0.85	YES	
L0000893	0	0.70780E-07	378276.2	3747242.3	19.4	0.00	1.70	0.85	YES	
L0000894	0	0.70780E-07	378279.9	3747242.3	19.4	0.00	1.70	0.85	YES	
L0000895	0	0.70780E-07	378283.5	3747242.4	19.4	0.00	1.70	0.85	YES	
L0000896	0	0.70780E-07	378287.2	3747242.4	19.4	0.00	1.70	0.85	YES	
L0000897	0	0.70780E-07	378290.9	3747242.4	19.4	0.00	1.70	0.85	YES	
L0000898	0	0.70780E-07	378294.5	3747242.4	19.4	0.00	1.70	0.85	YES	
L0000899	0	0.70780E-07	378298.2	3747242.4	19.4	0.00	1.70	0.85	YES	
L0000900	0	0.70780E-07	378301.8	3747242.4	19.4	0.00	1.70	0.85	YES	
L0000901	0	0.70780E-07	378305.5	3747242.4	19.4	0.00	1.70	0.85	YES	
L0000902	0	0.70780E-07	378309.1	3747242.5	19.4	0.00	1.70	0.85	YES	
L0000903	0	0.70780E-07	378312.8	3747242.5	19.4	0.00	1.70	0.85	YES	
L0000904	0	0.70780E-07	378316.5	3747242.5	19.4	0.00	1.70	0.85	YES	

L0000905	0	0.70780E-07	378320.1	3747242.5	19.4	0.00	1.70	0.85	YES
L0000906	0	0.70780E-07	378323.8	3747242.5	19.4	0.00	1.70	0.85	YES
L0000907	0	0.70780E-07	378327.4	3747242.5	19.4	0.00	1.70	0.85	YES
L0000908	0	0.70780E-07	378331.1	3747242.5	19.3	0.00	1.70	0.85	YES
L0000909	0	0.70780E-07	378334.7	3747242.5	19.3	0.00	1.70	0.85	YES
L0000910	0	0.70780E-07	378338.4	3747242.6	19.3	0.00	1.70	0.85	YES
L0000911	0	0.70780E-07	378342.1	3747242.6	19.2	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2022  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations

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

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000912	0	0.70780E-07	378345.7	3747242.6	19.2	0.00	1.70	0.85	YES	
L0000913	0	0.70780E-07	378349.4	3747242.6	19.2	0.00	1.70	0.85	YES	
L0000914	0	0.70780E-07	378353.0	3747242.6	19.2	0.00	1.70	0.85	YES	
L0000915	0	0.70780E-07	378356.7	3747242.6	19.2	0.00	1.70	0.85	YES	
L0000916	0	0.70780E-07	378360.3	3747242.6	19.2	0.00	1.70	0.85	YES	
L0000917	0	0.70780E-07	378364.0	3747242.7	19.2	0.00	1.70	0.85	YES	
L0000918	0	0.70780E-07	378367.7	3747242.7	19.2	0.00	1.70	0.85	YES	
L0000919	0	0.70780E-07	378371.3	3747242.7	19.2	0.00	1.70	0.85	YES	
L0000920	0	0.70780E-07	378375.0	3747242.7	19.2	0.00	1.70	0.85	YES	
L0000921	0	0.70780E-07	378378.6	3747242.7	19.2	0.00	1.70	0.85	YES	
L0000922	0	0.70780E-07	378382.3	3747242.7	19.2	0.00	1.70	0.85	YES	
L0000923	0	0.70780E-07	378385.9	3747242.7	19.2	0.00	1.70	0.85	YES	
L0000924	0	0.70780E-07	378389.6	3747242.8	19.2	0.00	1.70	0.85	YES	
L0000925	0	0.70780E-07	378393.3	3747242.8	19.2	0.00	1.70	0.85	YES	
L0000926	0	0.70780E-07	378396.9	3747242.8	19.2	0.00	1.70	0.85	YES	
L0000927	0	0.70780E-07	378400.6	3747242.8	19.2	0.00	1.70	0.85	YES	
L0000928	0	0.70780E-07	378404.2	3747242.8	19.1	0.00	1.70	0.85	YES	
L0000929	0	0.70780E-07	378407.9	3747242.8	19.1	0.00	1.70	0.85	YES	
L0000930	0	0.70780E-07	378411.6	3747242.8	19.1	0.00	1.70	0.85	YES	
L0000931	0	0.70780E-07	378415.2	3747242.8	19.0	0.00	1.70	0.85	YES	
L0000932	0	0.70780E-07	378418.9	3747242.9	19.0	0.00	1.70	0.85	YES	
L0000933	0	0.70780E-07	378422.5	3747242.9	19.0	0.00	1.70	0.85	YES	
L0000934	0	0.70780E-07	378426.2	3747242.9	19.0	0.00	1.70	0.85	YES	
L0000935	0	0.70780E-07	378429.8	3747242.9	19.0	0.00	1.70	0.85	YES	
L0000936	0	0.70780E-07	378433.5	3747242.9	19.1	0.00	1.70	0.85	YES	
L0000937	0	0.70780E-07	378437.2	3747242.9	19.1	0.00	1.70	0.85	YES	
L0000938	0	0.70780E-07	378440.8	3747242.9	19.1	0.00	1.70	0.85	YES	
L0000939	0	0.70780E-07	378444.5	3747243.0	19.2	0.00	1.70	0.85	YES	
L0000940	0	0.70780E-07	378448.1	3747243.0	19.2	0.00	1.70	0.85	YES	
L0000941	0	0.70780E-07	378451.8	3747243.0	19.2	0.00	1.70	0.85	YES	



L0000979	0	0.70780E-07	378590.8	3747243.5	18.6	0.00	1.70	0.85	YES
L0000980	0	0.70780E-07	378594.4	3747243.5	18.7	0.00	1.70	0.85	YES
L0000981	0	0.70780E-07	378598.1	3747243.5	18.7	0.00	1.70	0.85	YES
L0000982	0	0.70780E-07	378601.7	3747243.5	18.7	0.00	1.70	0.85	YES
L0000983	0	0.70780E-07	378605.4	3747243.6	18.7	0.00	1.70	0.85	YES
L0000984	0	0.70780E-07	378609.1	3747243.6	18.7	0.00	1.70	0.85	YES
L0000985	0	0.70780E-07	378612.7	3747243.6	18.7	0.00	1.70	0.85	YES
L0000986	0	0.70780E-07	378616.4	3747243.6	18.7	0.00	1.70	0.85	YES
L0000987	0	0.70780E-07	378620.0	3747243.6	18.7	0.00	1.70	0.85	YES
L0000988	0	0.70780E-07	378623.7	3747243.6	18.7	0.00	1.70	0.85	YES
L0000989	0	0.70780E-07	378627.3	3747243.6	18.7	0.00	1.70	0.85	YES
L0000990	0	0.70780E-07	378631.0	3747243.7	18.7	0.00	1.70	0.85	YES
L0000991	0	0.70780E-07	378634.7	3747243.7	18.7	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2022  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations

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

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000992	0	0.70780E-07	378638.3	3747243.7	18.6	0.00	1.70	0.85	YES	
L0000993	0	0.70780E-07	378642.0	3747243.7	18.6	0.00	1.70	0.85	YES	
L0000994	0	0.70780E-07	378645.6	3747243.7	18.6	0.00	1.70	0.85	YES	
L0000995	0	0.70780E-07	378649.3	3747243.7	18.6	0.00	1.70	0.85	YES	
L0000996	0	0.70780E-07	378653.0	3747243.7	18.5	0.00	1.70	0.85	YES	
L0000997	0	0.70780E-07	378656.6	3747243.8	18.5	0.00	1.70	0.85	YES	
L0000998	0	0.70780E-07	378660.3	3747243.8	18.5	0.00	1.70	0.85	YES	
L0000999	0	0.70780E-07	378663.9	3747243.8	18.4	0.00	1.70	0.85	YES	
L0001000	0	0.70780E-07	378667.6	3747243.8	18.4	0.00	1.70	0.85	YES	
L0001001	0	0.70780E-07	378671.2	3747243.8	18.4	0.00	1.70	0.85	YES	
L0001002	0	0.70780E-07	378674.9	3747243.8	18.4	0.00	1.70	0.85	YES	
L0001003	0	0.70780E-07	378678.6	3747243.8	18.3	0.00	1.70	0.85	YES	
L0001004	0	0.70780E-07	378682.2	3747243.8	18.3	0.00	1.70	0.85	YES	
L0001005	0	0.70780E-07	378685.9	3747243.9	18.3	0.00	1.70	0.85	YES	
L0001006	0	0.70780E-07	378689.5	3747243.9	18.4	0.00	1.70	0.85	YES	
L0001007	0	0.70780E-07	378693.2	3747243.9	18.4	0.00	1.70	0.85	YES	
L0001008	0	0.70780E-07	378696.8	3747243.9	18.4	0.00	1.70	0.85	YES	
L0001009	0	0.70780E-07	378700.5	3747243.9	18.4	0.00	1.70	0.85	YES	

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2022  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations

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

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

SRCGROUP ID -----	SOURCE IDs -----								
ALL	STCK1	, STCK2	, STCK3	, STCK4	, STCK5	, STCK6	, L0000001	, L0000002	,
	L0000003	, L0000004	, L0000005	, L0000006	, L0000007	, L0000008	, L0000009	, L0000010	,
	L0000011	, L0000012	, L0000013	, L0000014	, L0000015	, L0000016	, L0000017	, L0000018	,
	L0000019	, L0000020	, L0000021	, L0000022	, L0000023	, L0000024	, L0000025	, L0000026	,
	L0000027	, L0000028	, L0000029	, L0000030	, L0000031	, L0000032	, L0000033	, L0000034	,
	L0000035	, L0000036	, L0000037	, L0000038	, L0000039	, L0000040	, L0000041	, L0000042	,
	L0000043	, L0000044	, L0000045	, L0000046	, L0000047	, L0000048	, L0000049	, L0000050	,
	L0000051	, L0000052	, L0000053	, L0000054	, L0000055	, L0000056	, L0000057	, L0000058	,
	L0000059	, L0000060	, L0000061	, L0000062	, L0000063	, L0000064	, L0000065	, L0000066	,
	L0000067	, L0000068	, L0000069	, L0000070	, L0000071	, L0000072	, L0000073	, L0000074	,
	L0000075	, L0000076	, L0000077	, L0000078	, L0000079	, L0000121	, L0000122	, L0000123	,
	L0000124	, L0000125	, L0000126	, L0000127	, L0000128	, L0000129	, L0000130	, L0000131	,
	L0000132	, L0000133	, L0000134	, L0000135	, L0000136	, L0000137	, L0000138	, L0000139	,
	L0000140	, L0000141	, L0000142	, L0000143	, L0000144	, L0000145	, L0000146	, L0000147	,
	L0000148	, L0000149	, L0000150	, L0000151	, L0000152	, L0000153	, L0000154	, L0000155	,
	L0000156	, L0000157	, L0000158	, L0000159	, L0000160	, L0000161	, L0000162	, L0000163	,
	L0000164	, L0000165	, L0000166	, L0000167	, L0000168	, L0000169	, L0000170	, L0000171	,
	L0000172	, L0000173	, L0000174	, L0000175	, L0000176	, L0000177	, L0000178	, L0000179	,
	L0000180	, L0000181	, L0000182	, L0000183	, L0000184	, L0000185	, L0000186	, L0000187	,
	L0000188	, L0000189	, L0000190	, L0000191	, L0000192	, L0000193	, L0000194	, L0000195	,
*** AERMOD - VERSION 19191 ***	*** 190th St Warehouse 2022						***	05/15/20	
*** AERMET - VERSION 16216 ***	*** DPM concentrations						***	10:04:10	
*** MODELOPTs:	RegDEFAULT	CONC	ELEV	URBAN	ADJ_U*			PAGE 23	

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

SRCGROUP ID

SOURCE IDs

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L0000196 , L0000197 , L0000198 , L0000199 , L0000200 , L0000201 , L0000202 , L0000203 ,  
 L0000204 , L0000205 , L0000206 , L0000207 , L0000208 , L0000209 , L0000210 , L0000211 ,  
 L0000212 , L0000213 , L0000214 , L0000215 , L0000216 , L0000217 , L0000218 , L0000219 ,  
 L0000220 , L0000221 , L0000222 , L0000223 , L0000224 , L0000225 , L0000226 , L0000227 ,  
 L0000228 , L0000229 , L0000230 , L0000231 , L0000232 , L0000233 , L0000234 , L0000235 ,  
 L0000236 , L0000237 , L0000238 , L0000239 , L0000240 , L0000241 , L0000242 , L0000243 ,  
 L0000244 , L0000245 , L0000246 , L0000247 , L0000248 , L0000249 , L0000250 , L0000251 ,  
 L0000252 , L0000253 , L0000254 , L0000255 , L0000256 , L0000257 , L0000258 , L0000259 ,  
 L0000260 , L0000261 , L0000262 , L0000263 , L0000264 , L0000265 , L0000266 , L0000267 ,  
 L0000268 , L0000269 , L0000270 , L0000271 , L0000272 , L0000273 , L0000274 , L0000275 ,  
 L0000276 , L0000277 , L0000278 , L0000279 , L0000280 , L0000281 , L0000282 , L0000283 ,  
 L0000514 , L0000515 , L0000516 , L0000517 , L0000518 , L0000519 , L0000520 , L0000521 ,  
 L0000522 , L0000523 , L0000524 , L0000525 , L0000526 , L0000527 , L0000528 , L0000529 ,  
 L0000530 , L0000531 , L0000532 , L0000533 , L0000534 , L0000535 , L0000536 , L0000537 ,  
 L0000538 , L0000539 , L0000540 , L0000541 , L0000542 , L0000543 , L0000544 , L0000545 ,  
 L0000546 , L0000547 , L0000548 , L0000549 , L0000550 , L0000551 , L0000552 , L0000553 ,  
 L0000554 , L0000555 , L0000556 , L0000557 , L0000558 , L0000559 , L0000560 , L0000561 ,  
 L0000562 , L0000563 , L0000564 , L0000565 , L0000566 , L0000567 , L0000568 , L0000569 ,  
 L0000570 , L0000571 , L0000572 , L0000573 , L0000574 , L0000575 , L0000576 , L0000577 ,  
 L0000578 , L0000579 , L0000580 , L0000581 , L0000582 , L0000583 , L0000584 , L0000585 ,

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2022  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations

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

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

SRCGROUP ID	SOURCE IDs														
-----	-----	-----	-----	-----	-----	-----	-----	-----							
L0000586	,	L0000587	,	L0000588	,	L0000589	,	L0000590	,	L0000591	,	L0000592	,	L0000593	,
L0000594	,	L0000595	,	L0000596	,	L0000597	,	L0000598	,	L0000599	,	L0000600	,	L0000601	,
L0000602	,	L0000603	,	L0000604	,	L0000605	,	L0000606	,	L0000607	,	L0000608	,	L0000609	,
L0000610	,	L0000611	,	L0000612	,	L0000613	,	L0000614	,	L0000615	,	L0000616	,	L0000617	,
L0000618	,	L0000619	,	L0000620	,	L0000621	,	L0000622	,	L0000623	,	L0000624	,	L0000625	,
L0000626	,	L0000627	,	L0000628	,	L0000629	,	L0000630	,	L0000631	,	L0000632	,	L0000633	,
L0000634	,	L0000635	,	L0000636	,	L0000637	,	L0000638	,	L0000639	,	L0000640	,	L0000641	,
L0000642	,	L0000643	,	L0000644	,	L0000645	,	L0000646	,	L0000647	,	L0000648	,	L0000649	,
L0000650	,	L0000651	,	L0000652	,	L0000653	,	L0000654	,	L0000655	,	L0000656	,	L0000657	,
L0000658	,	L0000659	,	L0000660	,	L0000661	,	L0000662	,	L0000663	,	L0000664	,	L0000665	,
L0000666	,	L0000667	,	L0000668	,	L0000669	,	L0000670	,	L0000671	,	L0000672	,	L0000673	,
L0000674	,	L0000675	,	L0000676	,	L0000677	,	L0000678	,	L0000679	,	L0000680	,	L0000681	,
L0000682	,	L0000683	,	L0000684	,	L0000685	,	L0000686	,	L0000687	,	L0000688	,	L0000689	,
L0000690	,	L0000691	,	L0000692	,	L0000693	,	L0000694	,	L0000695	,	L0000696	,	L0000697	,
L0000698	,	L0000699	,	L0000700	,	L0000701	,	L0000702	,	L0000703	,	L0000704	,	L0000705	,
L0000706	,	L0000707	,	L0000708	,	L0000709	,	L0000710	,	L0000711	,	L0000712	,	L0000713	,
L0000714	,	L0000715	,	L0000716	,	L0000717	,	L0000718	,	L0000719	,	L0000720	,	L0000721	,
L0000722	,	L0000723	,	L0000724	,	L0000725	,	L0000726	,	L0000727	,	L0000728	,	L0000729	,
L0000730	,	L0000731	,	L0000732	,	L0000733	,	L0000734	,	L0000735	,	L0000736	,	L0000737	,
L0000738	,	L0000739	,	L0000740	,	L0000741	,	L0000742	,	L0000743	,	L0000744	,	L0000745	,

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2022      \*\*\*      05/15/20  
\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations      \*\*\*      10:04:10

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

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

SRCGROUP ID	SOURCE IDs							
-----	-----							
L0000746	, L0000747	, L0000748	, L0000749	, L0000750	, L0000751	, L0000752	, L0000753	,
L0000754	, L0000755	, L0000756	, L0000757	, L0000758	, L0000759	, L0000760	, L0000761	,
L0000762	, L0000763	, L0000764	, L0000765	, L0000766	, L0000767	, L0000768	, L0000769	,
L0000770	, L0000771	, L0000772	, L0000773	, L0000774	, L0000775	, L0000776	, L0000777	,
L0000778	, L0000779	, L0000780	, L0000781	, L0000782	, L0000783	, L0000784	, L0000785	,
L0000786	, L0000787	, L0000788	, L0000789	, L0000790	, L0000791	, L0000792	, L0000793	,
L0000794	, L0000795	, L0000796	, L0000797	, L0000798	, L0000799	, L0000800	, L0000801	,
L0000802	, L0000803	, L0000804	, L0000805	, L0000806	, L0000807	, L0000808	, L0000809	,
L0000810	, L0000811	, L0000812	, L0000813	, L0000814	, L0000815	, L0000816	, L0000817	,
L0000818	, L0000819	, L0000820	, L0000821	, L0000822	, L0000823	, L0000824	, L0000825	,
L0000826	, L0000827	, L0000828	, L0000829	, L0000830	, L0000831	, L0000832	, L0000833	,
L0000834	, L0000835	, L0000836	, L0000837	, L0000838	, L0000839	, L0000840	, L0000841	,
L0000842	, L0000843	, L0000844	, L0000845	, L0000846	, L0000847	, L0000848	, L0000849	,
L0000850	, L0000851	, L0000852	, L0000853	, L0000854	, L0000855	, L0000856	, L0000857	,
L0000858	, L0000859	, L0000860	, L0000861	, L0000862	, L0000863	, L0000864	, L0000865	,
L0000866	, L0000867	, L0000868	, L0000869	, L0000870	, L0000871	, L0000872	, L0000873	,
L0000874	, L0000875	, L0000876	, L0000877	, L0000878	, L0000879	, L0000880	, L0000881	,
L0000882	, L0000883	, L0000884	, L0000885	, L0000886	, L0000887	, L0000888	, L0000889	,
L0000890	, L0000891	, L0000892	, L0000893	, L0000894	, L0000895	, L0000896	, L0000897	,
L0000898	, L0000899	, L0000900	, L0000901	, L0000902	, L0000903	, L0000904	, L0000905	,

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2022

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\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations

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

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

SRCGROUP ID

SOURCE IDs

L0000906	,	L0000907	,	L0000908	,	L0000909	,	L0000910	,	L0000911	,	L0000912	,	L0000913	,
L0000914	,	L0000915	,	L0000916	,	L0000917	,	L0000918	,	L0000919	,	L0000920	,	L0000921	,
L0000922	,	L0000923	,	L0000924	,	L0000925	,	L0000926	,	L0000927	,	L0000928	,	L0000929	,
L0000930	,	L0000931	,	L0000932	,	L0000933	,	L0000934	,	L0000935	,	L0000936	,	L0000937	,
L0000938	,	L0000939	,	L0000940	,	L0000941	,	L0000942	,	L0000943	,	L0000944	,	L0000945	,
L0000946	,	L0000947	,	L0000948	,	L0000949	,	L0000950	,	L0000951	,	L0000952	,	L0000953	,
L0000954	,	L0000955	,	L0000956	,	L0000957	,	L0000958	,	L0000959	,	L0000960	,	L0000961	,
L0000962	,	L0000963	,	L0000964	,	L0000965	,	L0000966	,	L0000967	,	L0000968	,	L0000969	,
L0000970	,	L0000971	,	L0000972	,	L0000973	,	L0000974	,	L0000975	,	L0000976	,	L0000977	,
L0000978	,	L0000979	,	L0000980	,	L0000981	,	L0000982	,	L0000983	,	L0000984	,	L0000985	,
L0000986	,	L0000987	,	L0000988	,	L0000989	,	L0000990	,	L0000991	,	L0000992	,	L0000993	,
L0000994	,	L0000995	,	L0000996	,	L0000997	,	L0000998	,	L0000999	,	L0001000	,	L0001001	,
L0001002	,	L0001003	,	L0001004	,	L0001005	,	L0001006	,	L0001007	,	L0001008	,	L0001009	,

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2022

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\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations

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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

L0000002	,	9818605.	STCK1	,	STCK2	,	STCK3	,	STCK4	,	STCK5	,	STCK6	,	L0000001	,
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L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,  
 L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 ,  
 L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 ,  
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\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2022  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations

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

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

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

L0000196 , L0000197 , L0000198 , L0000199 , L0000200 , L0000201 , L0000202 , L0000203 ,  
L0000204 , L0000205 , L0000206 , L0000207 , L0000208 , L0000209 , L0000210 , L0000211 ,  
L0000212 , L0000213 , L0000214 , L0000215 , L0000216 , L0000217 , L0000218 , L0000219 ,  
L0000220 , L0000221 , L0000222 , L0000223 , L0000224 , L0000225 , L0000226 , L0000227 ,  
L0000228 , L0000229 , L0000230 , L0000231 , L0000232 , L0000233 , L0000234 , L0000235 ,  
L0000236 , L0000237 , L0000238 , L0000239 , L0000240 , L0000241 , L0000242 , L0000243 ,  
L0000244 , L0000245 , L0000246 , L0000247 , L0000248 , L0000249 , L0000250 , L0000251 ,  
L0000252 , L0000253 , L0000254 , L0000255 , L0000256 , L0000257 , L0000258 , L0000259 ,  
L0000260 , L0000261 , L0000262 , L0000263 , L0000264 , L0000265 , L0000266 , L0000267 ,  
L0000268 , L0000269 , L0000270 , L0000271 , L0000272 , L0000273 , L0000274 , L0000275 ,  
L0000276 , L0000277 , L0000278 , L0000279 , L0000280 , L0000281 , L0000282 , L0000283 ,  
L0000514 , L0000515 , L0000516 , L0000517 , L0000518 , L0000519 , L0000520 , L0000521 ,  
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L0000530 , L0000531 , L0000532 , L0000533 , L0000534 , L0000535 , L0000536 , L0000537 ,  
L0000538 , L0000539 , L0000540 , L0000541 , L0000542 , L0000543 , L0000544 , L0000545 ,  
L0000546 , L0000547 , L0000548 , L0000549 , L0000550 , L0000551 , L0000552 , L0000553 ,  
L0000554 , L0000555 , L0000556 , L0000557 , L0000558 , L0000559 , L0000560 , L0000561 ,  
L0000562 , L0000563 , L0000564 , L0000565 , L0000566 , L0000567 , L0000568 , L0000569 ,  
L0000570 , L0000571 , L0000572 , L0000573 , L0000574 , L0000575 , L0000576 , L0000577 ,  
L0000578 , L0000579 , L0000580 , L0000581 , L0000582 , L0000583 , L0000584 , L0000585 ,

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2022  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations

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

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

URBAN ID	URBAN POP	SOURCE IDs
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L0000586 , L0000587 , L0000588 , L0000589 , L0000590 , L0000591 , L0000592 , L0000593 ,  
 L0000594 , L0000595 , L0000596 , L0000597 , L0000598 , L0000599 , L0000600 , L0000601 ,  
 L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 , L0000608 , L0000609 ,  
 L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 , L0000616 , L0000617 ,  
 L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , L0000623 , L0000624 , L0000625 ,  
 L0000626 , L0000627 , L0000628 , L0000629 , L0000630 , L0000631 , L0000632 , L0000633 ,  
 L0000634 , L0000635 , L0000636 , L0000637 , L0000638 , L0000639 , L0000640 , L0000641 ,  
 L0000642 , L0000643 , L0000644 , L0000645 , L0000646 , L0000647 , L0000648 , L0000649 ,  
 L0000650 , L0000651 , L0000652 , L0000653 , L0000654 , L0000655 , L0000656 , L0000657 ,  
 L0000658 , L0000659 , L0000660 , L0000661 , L0000662 , L0000663 , L0000664 , L0000665 ,  
 L0000666 , L0000667 , L0000668 , L0000669 , L0000670 , L0000671 , L0000672 , L0000673 ,  
 L0000674 , L0000675 , L0000676 , L0000677 , L0000678 , L0000679 , L0000680 , L0000681 ,  
 L0000682 , L0000683 , L0000684 , L0000685 , L0000686 , L0000687 , L0000688 , L0000689 ,  
 L0000690 , L0000691 , L0000692 , L0000693 , L0000694 , L0000695 , L0000696 , L0000697 ,  
 L0000698 , L0000699 , L0000700 , L0000701 , L0000702 , L0000703 , L0000704 , L0000705 ,  
 L0000706 , L0000707 , L0000708 , L0000709 , L0000710 , L0000711 , L0000712 , L0000713 ,  
 L0000714 , L0000715 , L0000716 , L0000717 , L0000718 , L0000719 , L0000720 , L0000721 ,  
 L0000722 , L0000723 , L0000724 , L0000725 , L0000726 , L0000727 , L0000728 , L0000729 ,  
 L0000730 , L0000731 , L0000732 , L0000733 , L0000734 , L0000735 , L0000736 , L0000737 ,  
 L0000738 , L0000739 , L0000740 , L0000741 , L0000742 , L0000743 , L0000744 , L0000745 ,

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2022  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations

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

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

URBAN ID	URBAN POP	SOURCE IDs
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L0000906 , L0000907 , L0000908 , L0000909 , L0000910 , L0000911 , L0000912 , L0000913 ,
L0000914 , L0000915 , L0000916 , L0000917 , L0000918 , L0000919 , L0000920 , L0000921 ,
L0000922 , L0000923 , L0000924 , L0000925 , L0000926 , L0000927 , L0000928 , L0000929 ,
L0000930 , L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,
L0000938 , L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 ,
L0000946 , L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 ,
L0000954 , L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 ,
L0000962 , L0000963 , L0000964 , L0000965 , L0000966 , L0000967 , L0000968 , L0000969 ,
L0000970 , L0000971 , L0000972 , L0000973 , L0000974 , L0000975 , L0000976 , L0000977 ,
L0000978 , L0000979 , L0000980 , L0000981 , L0000982 , L0000983 , L0000984 , L0000985 ,
L0000986 , L0000987 , L0000988 , L0000989 , L0000990 , L0000991 , L0000992 , L0000993 ,
L0000994 , L0000995 , L0000996 , L0000997 , L0000998 , L0000999 , L0001000 , L0001001 ,
L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 , L0001008 , L0001009 ,

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*** AERMOD - VERSION 19191 *** *** 190th St Warehouse 2022
*** AERMET - VERSION 16216 *** *** DPM concentrations

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-115.4,	-95.0,	2	11.0,	270.4,	176.8,	-116.8,	-100.6,
3	11.0,	268.6,	205.8,	-114.6,	-103.1,	4	11.0,	258.7,	231.8,	-109.0,	-102.5,
5	11.0,	240.8,	250.8,	-100.0,	-98.8,	6	11.0,	215.7,	262.1,	-88.0,	-92.1,
7	11.0,	184.0,	265.5,	-73.4,	-82.6,	8	11.0,	146.7,	260.9,	-56.5,	-70.5,
9	11.0,	107.2,	249.6,	-38.2,	-56.8,	10	11.0,	144.2,	264.0,	-37.0,	-43.3,
11	11.0,	176.8,	270.4,	-34.6,	-28.4,	12	11.0,	205.8,	268.6,	-31.2,	-11.7,
13	11.0,	231.8,	258.7,	-26.8,	6.9,	14	11.0,	250.8,	240.8,	-21.6,	25.4,
15	11.0,	262.1,	215.7,	-15.8,	43.0,	16	11.0,	265.5,	184.0,	-9.4,	59.4,
17	11.0,	260.9,	146.7,	-2.8,	73.9,	18	11.0,	249.6,	107.2,	3.2,	86.6,
19	11.0,	264.0,	144.2,	-28.9,	95.0,	20	11.0,	270.4,	176.8,	-60.0,	100.6,
21	11.0,	268.6,	205.8,	-91.1,	103.1,	22	11.0,	258.7,	231.8,	-122.8,	102.5,
23	11.0,	240.8,	250.8,	-150.7,	98.8,	24	11.0,	215.7,	262.1,	-174.1,	92.1,



25	11.0,	184.0,	265.5,	-192.2,	82.6,	26	11.0,	146.7,	260.9,	-204.4,	70.5,
27	11.0,	107.2,	249.6,	-211.4,	56.8,	28	11.0,	144.2,	264.0,	-227.1,	43.3,
29	11.0,	176.8,	270.4,	-235.8,	28.4,	30	11.0,	205.8,	268.6,	-237.5,	11.7,
31	11.0,	231.8,	258.7,	-231.9,	-6.9,	32	11.0,	250.8,	240.8,	-219.2,	-25.4,
33	11.0,	262.1,	215.7,	-199.9,	-43.0,	34	11.0,	265.5,	184.0,	-174.6,	-59.4,
35	11.0,	260.9,	146.7,	-143.9,	-73.9,	36	11.0,	249.6,	107.2,	-110.5,	-86.6,

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-121.7,	-64.8,	2	11.0,	270.4,	176.8,	-128.2,	-72.0,
3	11.0,	268.6,	205.8,	-130.9,	-76.9,	4	11.0,	258.7,	231.8,	-129.6,	-79.5,
5	11.0,	240.8,	250.8,	-124.3,	-79.7,	6	11.0,	215.7,	262.1,	-115.3,	-77.5,
7	11.0,	184.0,	265.5,	-102.7,	-72.9,	8	11.0,	146.7,	260.9,	-87.1,	-66.1,
9	11.0,	107.2,	249.6,	-69.1,	-57.8,	10	11.0,	144.2,	264.0,	-67.2,	-49.6,
11	11.0,	176.8,	270.4,	-63.3,	-39.8,	12	11.0,	205.8,	268.6,	-57.4,	-28.0,
13	11.0,	231.8,	258.7,	-49.8,	-13.7,	14	11.0,	250.8,	240.8,	-40.7,	1.1,
15	11.0,	262.1,	215.7,	-30.4,	15.8,	16	11.0,	265.5,	184.0,	-19.1,	30.0,
17	11.0,	260.9,	146.7,	-7.2,	43.4,	18	11.0,	249.6,	107.2,	4.2,	55.7,
19	11.0,	264.0,	144.2,	-22.5,	64.8,	20	11.0,	270.4,	176.8,	-48.6,	72.0,
21	11.0,	268.6,	205.8,	-74.9,	76.9,	22	11.0,	258.7,	231.8,	-102.2,	79.5,
23	11.0,	240.8,	250.8,	-126.5,	79.7,	24	11.0,	215.7,	262.1,	-146.9,	77.5,
25	11.0,	184.0,	265.5,	-162.8,	72.9,	26	11.0,	146.7,	260.9,	-173.8,	66.1,
27	11.0,	107.2,	249.6,	-180.5,	57.8,	28	11.0,	144.2,	264.0,	-196.8,	49.6,
29	11.0,	176.8,	270.4,	-207.2,	39.8,	30	11.0,	205.8,	268.6,	-211.2,	28.0,
31	11.0,	231.8,	258.7,	-208.8,	13.7,	32	11.0,	250.8,	240.8,	-200.1,	-1.1,
33	11.0,	262.1,	215.7,	-185.3,	-15.8,	34	11.0,	265.5,	184.0,	-164.9,	-30.0,
35	11.0,	260.9,	146.7,	-139.5,	-43.4,	36	11.0,	249.6,	107.2,	-111.4,	-55.7,

SOURCE ID: STCK3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-126.6,	-38.6,	2	11.0,	270.4,	176.8,	-137.7,	-47.0,
3	11.0,	268.6,	205.8,	-144.5,	-54.0,	4	11.0,	258.7,	231.8,	-146.9,	-59.3,
5	11.0,	240.8,	250.8,	-144.9,	-62.8,	6	11.0,	215.7,	262.1,	-138.5,	-64.5,
7	11.0,	184.0,	265.5,	-127.9,	-64.1,	8	11.0,	146.7,	260.9,	-113.4,	-61.8,
9	11.0,	107.2,	249.6,	-95.7,	-58.1,	10	11.0,	144.2,	264.0,	-93.4,	-54.5,
11	11.0,	176.8,	270.4,	-88.2,	-49.2,	12	11.0,	205.8,	268.6,	-80.3,	-41.6,
13	11.0,	231.8,	258.7,	-70.0,	-31.1,	14	11.0,	250.8,	240.8,	-57.6,	-19.6,
15	11.0,	262.1,	215.7,	-43.4,	-7.4,	16	11.0,	265.5,	184.0,	-27.9,	4.9,
17	11.0,	260.9,	146.7,	-11.5,	17.1,	18	11.0,	249.6,	107.2,	4.5,	29.1,
19	11.0,	264.0,	144.2,	-17.6,	38.6,	20	11.0,	270.4,	176.8,	-39.1,	47.0,
21	11.0,	268.6,	205.8,	-61.3,	54.0,	22	11.0,	258.7,	231.8,	-84.8,	59.3,
23	11.0,	240.8,	250.8,	-105.8,	62.8,	24	11.0,	215.7,	262.1,	-123.6,	64.5,
25	11.0,	184.0,	265.5,	-137.7,	64.1,	26	11.0,	146.7,	260.9,	-147.5,	61.8,
27	11.0,	107.2,	249.6,	-153.8,	58.1,	28	11.0,	144.2,	264.0,	-170.6,	54.5,
29	11.0,	176.8,	270.4,	-182.2,	49.2,	30	11.0,	205.8,	268.6,	-188.3,	41.6,
31	11.0,	231.8,	258.7,	-188.6,	31.1,	32	11.0,	250.8,	240.8,	-183.2,	19.6,
33	11.0,	262.1,	215.7,	-172.3,	7.4,	34	11.0,	265.5,	184.0,	-156.1,	-4.9,
35	11.0,	260.9,	146.7,	-135.2,	-17.1,	36	11.0,	249.6,	107.2,	-111.8,	-29.1,

SOURCE ID: STCK4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-132.0,	-8.2,	2	11.0,	270.4,	176.8,	-148.2,	-18.0,
3	11.0,	268.6,	205.8,	-159.9,	-27.2,	4	11.0,	258.7,	231.8,	-166.8,	-35.7,
5	11.0,	240.8,	250.8,	-168.6,	-43.0,	6	11.0,	215.7,	262.1,	-165.2,	-49.0,
7	11.0,	184.0,	265.5,	-156.9,	-53.5,	8	11.0,	146.7,	260.9,	-143.8,	-56.5,
9	11.0,	107.2,	249.6,	-126.6,	-58.1,	10	11.0,	144.2,	264.0,	-123.8,	-59.9,
11	11.0,	176.8,	270.4,	-117.2,	-59.8,	12	11.0,	205.8,	268.6,	-107.0,	-57.0,
13	11.0,	231.8,	258.7,	-93.7,	-50.9,	14	11.0,	250.8,	240.8,	-77.4,	-43.2,
15	11.0,	262.1,	215.7,	-58.8,	-34.2,	16	11.0,	265.5,	184.0,	-38.4,	-24.1,
17	11.0,	260.9,	146.7,	-16.9,	-13.3,	18	11.0,	249.6,	107.2,	4.5,	-1.8,
19	11.0,	264.0,	144.2,	-12.2,	8.2,	20	11.0,	270.4,	176.8,	-28.6,	18.0,
21	11.0,	268.6,	205.8,	-45.8,	27.2,	22	11.0,	258.7,	231.8,	-65.0,	35.7,
23	11.0,	240.8,	250.8,	-82.2,	43.0,	24	11.0,	215.7,	262.1,	-96.9,	49.0,
25	11.0,	184.0,	265.5,	-108.6,	53.5,	26	11.0,	146.7,	260.9,	-117.1,	56.5,
27	11.0,	107.2,	249.6,	-123.0,	58.1,	28	11.0,	144.2,	264.0,	-140.2,	59.9,
29	11.0,	176.8,	270.4,	-153.2,	59.8,	30	11.0,	205.8,	268.6,	-161.6,	57.0,
31	11.0,	231.8,	258.7,	-165.0,	50.9,	32	11.0,	250.8,	240.8,	-163.4,	43.2,
33	11.0,	262.1,	215.7,	-156.9,	34.2,	34	11.0,	265.5,	184.0,	-145.6,	24.1,
35	11.0,	260.9,	146.7,	-129.8,	13.3,	36	11.0,	249.6,	107.2,	-111.8,	1.8,

\*\*\* AERMOD - VERSION 19191 \*\*\*    \*\*\* 190th St Warehouse 2022  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: STCK5

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-137.0,	19.9,	2	11.0,	270.4,	176.8,	-158.0,	8.9,
3	11.0,	268.6,	205.8,	-174.2,	-2.5,	4	11.0,	258.7,	231.8,	-185.2,	-13.8,
5	11.0,	240.8,	250.8,	-190.5,	-24.6,	6	11.0,	215.7,	262.1,	-190.0,	-34.7,
7	11.0,	184.0,	265.5,	-183.8,	-43.8,	8	11.0,	146.7,	260.9,	-171.9,	-51.5,
9	11.0,	107.2,	249.6,	-155.2,	-58.1,	10	11.0,	144.2,	264.0,	-151.9,	-64.8,
11	11.0,	176.8,	270.4,	-144.1,	-69.6,	12	11.0,	205.8,	268.6,	-131.8,	-71.3,
13	11.0,	231.8,	258.7,	-115.6,	-69.3,	14	11.0,	250.8,	240.8,	-95.8,	-65.1,
15	11.0,	262.1,	215.7,	-73.1,	-58.9,	16	11.0,	265.5,	184.0,	-48.2,	-51.0,
17	11.0,	260.9,	146.7,	-21.9,	-41.5,	18	11.0,	249.6,	107.2,	4.5,	-30.4,
19	11.0,	264.0,	144.2,	-7.2,	-19.9,	20	11.0,	270.4,	176.8,	-18.8,	-8.9,
21	11.0,	268.6,	205.8,	-31.5,	2.5,	22	11.0,	258.7,	231.8,	-46.6,	13.8,
23	11.0,	240.8,	250.8,	-60.3,	24.6,	24	11.0,	215.7,	262.1,	-72.1,	34.7,
25	11.0,	184.0,	265.5,	-81.8,	43.8,	26	11.0,	146.7,	260.9,	-88.9,	51.5,
27	11.0,	107.2,	249.6,	-94.4,	58.1,	28	11.0,	144.2,	264.0,	-112.1,	64.8,
29	11.0,	176.8,	270.4,	-126.3,	69.6,	30	11.0,	205.8,	268.6,	-136.8,	71.3,
31	11.0,	231.8,	258.7,	-143.1,	69.3,	32	11.0,	250.8,	240.8,	-145.0,	65.1,
33	11.0,	262.1,	215.7,	-142.6,	58.9,	34	11.0,	265.5,	184.0,	-135.8,	51.0,
35	11.0,	260.9,	146.7,	-124.8,	41.5,	36	11.0,	249.6,	107.2,	-111.8,	30.4,

SOURCE ID: STCK6

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-142.4,	48.7,	2	11.0,	270.4,	176.8,	-168.3,	36.2,
3	11.0,	268.6,	205.8,	-189.1,	22.7,	4	11.0,	258.7,	231.8,	-204.2,	8.4,
5	11.0,	240.8,	250.8,	-213.1,	-6.1,	6	11.0,	215.7,	262.1,	-215.5,	-20.4,
7	11.0,	184.0,	265.5,	-211.4,	-34.1,	8	11.0,	146.7,	260.9,	-200.8,	-46.7,
9	11.0,	107.2,	249.6,	-184.5,	-58.5,	10	11.0,	144.2,	264.0,	-180.7,	-70.2,
11	11.0,	176.8,	270.4,	-171.5,	-79.9,	12	11.0,	205.8,	268.6,	-157.0,	-86.2,
13	11.0,	231.8,	258.7,	-137.8,	-88.3,	14	11.0,	250.8,	240.8,	-114.4,	-87.7,
15	11.0,	262.1,	215.7,	-87.5,	-84.4,	16	11.0,	265.5,	184.0,	-57.9,	-78.6,
17	11.0,	260.9,	146.7,	-26.6,	-70.4,	18	11.0,	249.6,	107.2,	4.8,	-59.7,
19	11.0,	264.0,	144.2,	-1.9,	-48.7,	20	11.0,	270.4,	176.8,	-8.5,	-36.2,
21	11.0,	268.6,	205.8,	-16.6,	-22.7,	22	11.0,	258.7,	231.8,	-27.6,	-8.4,
23	11.0,	240.8,	250.8,	-37.7,	6.1,	24	11.0,	215.7,	262.1,	-46.6,	20.4,
25	11.0,	184.0,	265.5,	-54.2,	34.1,	26	11.0,	146.7,	260.9,	-60.1,	46.7,
27	11.0,	107.2,	249.6,	-65.1,	58.5,	28	11.0,	144.2,	264.0,	-83.3,	70.2,
29	11.0,	176.8,	270.4,	-99.0,	79.9,	30	11.0,	205.8,	268.6,	-111.6,	86.2,
31	11.0,	231.8,	258.7,	-120.9,	88.3,	32	11.0,	250.8,	240.8,	-126.5,	87.7,
33	11.0,	262.1,	215.7,	-128.2,	84.4,	34	11.0,	265.5,	184.0,	-126.1,	78.6,
35	11.0,	260.9,	146.7,	-120.1,	70.4,	36	11.0,	249.6,	107.2,	-112.1,	59.7,

\*\*\* AERMOD - VERSION 19191 \*\*\*     \*\*\* 190th St Warehouse 2022  
\*\*\* AERMET - VERSION 16216 \*\*\*     \*\*\* DPM concentrations

\*\*\*     05/15/20  
\*\*\*     10:04:10  
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\*\*\* MODELOPTs:     RegDEFAULT     CONC     ELEV     URBAN     ADJ\_U\*

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

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

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

376999.0, 377086.3, 377173.6, 377260.9, 377348.2, 377435.5, 377522.8, 377610.1, 377697.4, 377784.7,  
377872.0, 377959.3, 378046.6, 378133.9, 378221.2, 378308.5, 378395.8, 378483.1, 378570.4, 378657.7,  
378745.0,

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

3746986.6, 3747043.0, 3747099.4, 3747155.8, 3747212.2, 3747268.5, 3747324.9, 3747381.3, 3747437.7, 3747494.1,  
3747550.4, 3747606.8, 3747663.2, 3747719.6, 3747776.0, 3747832.3, 3747888.7, 3747945.1, 3748001.5, 3748057.9,  
3748114.2,

\*\*\* AERMOD - VERSION 19191 \*\*\*     \*\*\* 190th St Warehouse 2022  
\*\*\* AERMET - VERSION 16216 \*\*\*     \*\*\* DPM concentrations

\*\*\*     05/15/20  
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\*\*\* MODELOPTs:     RegDEFAULT     CONC     ELEV     URBAN     ADJ\_U\*

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

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	376998.97	377086.27	377173.57	377260.87	377348.17	377435.47	377522.77	377610.07	377697.37
3748114.24	18.30	18.50	19.10	19.90	20.30	20.10	19.80	19.60	19.40
3748057.86	25.50	18.60	18.90	19.10	19.50	19.60	19.70	19.70	19.60
3748001.48	19.20	25.90	25.00	19.80	20.00	20.80	20.10	19.90	20.10
3747945.10	18.10	19.60	25.20	26.60	23.40	22.60	20.00	20.10	20.10
3747888.72	18.30	18.60	21.80	20.80	23.70	25.60	21.70	19.80	19.80
3747832.34	18.40	18.70	20.00	20.80	20.80	20.60	23.60	23.50	19.90
3747775.96	18.40	18.70	19.50	21.00	20.70	19.90	19.90	19.80	22.80
3747719.58	18.60	19.10	19.80	20.70	20.80	20.50	20.30	19.90	19.20
3747663.20	18.50	18.80	19.20	20.20	20.50	20.70	19.80	19.70	19.20
3747606.82	18.50	18.70	19.10	19.40	20.00	20.40	19.70	19.60	19.30
3747550.44	18.40	18.50	18.60	18.50	19.80	20.20	19.70	19.70	19.60
3747494.06	18.40	18.40	18.30	18.20	19.90	20.20	19.60	19.80	19.80
3747437.68	18.70	18.60	18.40	18.50	19.20	19.90	19.90	20.00	19.80
3747381.30	18.90	18.50	18.20	18.60	19.00	19.60	20.40	20.20	19.60
3747324.92	19.30	18.60	18.00	18.30	18.90	19.30	20.40	19.70	19.60
3747268.54	18.90	18.50	18.00	17.80	18.50	19.30	19.60	19.50	19.20
3747212.16	19.20	19.10	18.40	18.20	19.50	20.00	20.00	19.20	18.50
3747155.78	19.50	19.50	19.60	19.70	22.00	21.80	21.10	21.90	19.80
3747099.40	18.90	18.80	19.90	20.20	21.90	21.80	21.40	21.90	21.30
3747043.02	18.60	18.40	20.30	20.10	20.70	20.70	20.90	20.80	21.30
3746986.64	19.40	18.30	20.10	19.90	13.80	13.50	20.90	20.60	20.70

\*\*\* AERMOD - VERSION 19191 \*\*\*  
\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 190th St Warehouse 2022  
\*\*\* DPM concentrations

\*\*\* 05/15/20  
\*\*\* 10:04:10  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	377784.67	377871.97	377959.27	378046.57	378133.87	378221.17	378308.47	378395.77	378483.07
3748114.24	19.20	19.10	18.90	18.80	18.70	18.70	18.20	17.60	17.60
3748057.86	19.60	19.50	19.40	19.20	18.90	18.60	18.30	18.00	17.80
3748001.48	19.90	19.50	19.50	19.80	19.20	18.80	18.70	18.30	18.00
3747945.10	19.60	19.20	19.40	20.10	19.10	19.00	18.90	18.50	18.10
3747888.72	19.20	19.10	19.20	20.10	19.60	19.40	19.00	18.60	18.30
3747832.34	19.10	19.00	19.60	19.90	19.90	19.30	19.30	19.20	18.90
3747775.96	22.70	19.10	19.40	19.60	20.10	19.50	19.20	18.80	18.60

3747719.58	19.90	24.00	23.10	20.00	20.10	19.50	19.30	19.00	18.60
3747663.20	19.10	19.40	22.60	25.80	21.30	19.40	19.20	18.80	18.50
3747606.82	19.60	19.30	19.50	20.30	23.70	25.00	19.90	18.80	18.80
3747550.44	19.70	19.30	19.20	19.50	19.90	19.90	24.50	22.10	18.80
3747494.06	19.50	19.30	19.10	19.50	20.00	19.20	20.00	20.60	22.40
3747437.68	19.50	18.90	18.60	19.30	19.90	20.00	20.10	20.00	20.10
3747381.30	19.40	19.00	18.80	19.10	20.10	20.10	20.10	19.70	19.90
3747324.92	19.40	19.30	19.50	19.70	20.00	20.10	19.90	19.60	19.70
3747268.54	19.10	18.90	19.60	19.70	20.00	20.10	19.80	19.40	19.60
3747212.16	18.10	18.70	19.30	19.70	20.20	20.10	19.80	19.50	19.10
3747155.78	17.40	22.30	22.60	23.40	20.30	20.40	20.40	20.90	20.10
3747099.40	17.60	20.00	20.30	23.20	20.10	20.50	20.60	20.10	20.00
3747043.02	17.70	17.40	18.60	23.30	19.60	20.00	19.80	20.30	20.40
3746986.64	17.60	16.20	19.00	22.70	19.60	19.70	20.00	19.90	20.50

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*** AERMOD - VERSION 19191 ***    *** 190th St Warehouse 2022          ***    05/15/20
*** AERMET - VERSION 16216 ***    *** DPM concentrations                ***    10:04:10
                                         PAGE 37
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*** MODELOPTs:   RegDEFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***
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* ELEVATION HEIGHTS IN METERS *
```

Y-COORD (METERS)	X-COORD (METERS)		
	378570.37	378657.67	378744.97
3748114.24	16.40	16.00	16.70
3748057.86	17.10	17.30	17.10
3748001.48	17.70	17.20	17.20
3747945.10	17.60	17.40	17.40
3747888.72	18.10	17.40	17.50
3747832.34	17.90	17.50	17.40
3747775.96	17.90	17.60	17.30
3747719.58	18.00	17.70	17.50
3747663.20	18.10	17.70	17.80
3747606.82	18.20	17.80	17.90
3747550.44	18.20	18.00	17.90
3747494.06	19.90	18.50	18.30
3747437.68	21.40	22.40	20.70
3747381.30	20.10	21.00	22.10
3747324.92	19.80	19.20	18.50
3747268.54	19.20	19.00	18.70
3747212.16	18.80	18.60	18.40
3747155.78	19.20	19.40	19.10
3747099.40	18.90	19.30	19.00
3747043.02	19.20	19.20	18.60
3746986.64	20.00	20.00	18.90

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*** AERMOD - VERSION 19191 ***    *** 190th St Warehouse 2022          ***    05/15/20
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\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations

\*\*\* 10:04:10  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	376998.97	377086.27	377173.57	377260.87	377348.17	377435.47	377522.77	377610.07	377697.37
3748114.24	25.50	18.50	19.10	19.90	20.30	20.10	19.80	19.60	19.40
3748057.86	25.50	26.00	26.20	19.10	19.50	19.60	19.70	19.70	19.60
3748001.48	25.70	25.90	26.20	26.60	20.00	20.80	20.10	19.90	20.10
3747945.10	25.50	26.20	25.20	26.60	26.50	22.60	20.00	20.10	20.10
3747888.72	18.30	24.40	21.80	26.60	26.50	25.60	24.80	19.80	19.80
3747832.34	18.40	18.70	20.00	20.80	20.80	25.50	23.60	23.50	19.90
3747775.96	18.40	18.70	19.50	21.00	20.70	19.90	19.90	23.50	22.80
3747719.58	18.60	19.10	19.80	20.70	20.80	20.50	20.30	19.90	19.20
3747663.20	18.50	18.80	19.20	20.20	20.50	20.70	19.80	19.70	19.20
3747606.82	18.50	18.70	19.10	19.40	20.00	20.40	19.70	19.60	19.30
3747550.44	18.40	18.50	18.60	18.50	19.80	20.20	19.70	19.70	19.60
3747494.06	18.40	18.40	18.30	18.20	19.90	20.20	19.60	19.80	19.80
3747437.68	18.70	18.60	18.40	18.50	19.20	19.90	19.90	20.00	19.80
3747381.30	18.90	18.50	18.20	18.60	19.00	19.60	20.40	20.20	19.60
3747324.92	19.30	18.60	18.00	18.30	18.90	19.30	20.40	19.70	19.60
3747268.54	18.90	18.50	18.00	17.80	18.50	19.30	19.60	19.50	19.20
3747212.16	19.20	19.10	18.40	18.20	19.50	20.00	20.00	19.20	18.50
3747155.78	19.50	19.50	19.60	19.70	22.00	21.80	21.10	21.90	19.80
3747099.40	18.90	18.80	19.90	20.20	21.90	21.80	21.40	21.90	21.30
3747043.02	18.60	18.40	20.30	20.10	20.70	20.70	20.90	20.80	21.30
3746986.64	19.40	18.30	20.10	19.90	20.60	21.70	20.90	20.60	20.70

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2022

\*\*\* 05/15/20  
\*\*\* 10:04:10

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations

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

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

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	377784.67	377871.97	377959.27	378046.57	378133.87	378221.17	378308.47	378395.77	378483.07
3748114.24	19.20	19.10	18.90	18.80	18.70	18.70	18.20	17.60	17.60
3748057.86	19.60	19.50	19.40	19.20	18.90	18.60	18.30	18.00	17.80
3748001.48	19.90	19.50	19.50	19.80	19.20	18.80	18.70	18.30	18.00
3747945.10	19.60	19.20	19.40	20.10	19.10	19.00	18.90	18.50	18.10

3747888.72	19.20	19.10	19.20	20.10	19.60	19.40	19.00	18.60	18.30
3747832.34	19.10	19.00	19.60	19.90	19.90	19.30	19.30	19.20	18.90
3747775.96	23.10	24.00	19.40	19.60	20.10	19.50	19.20	18.80	18.60
3747719.58	23.40	24.00	24.90	26.00	20.10	19.50	19.30	19.00	18.60
3747663.20	19.10	24.50	25.30	25.80	24.70	25.90	19.20	18.80	18.50
3747606.82	19.60	19.30	19.50	26.20	26.20	25.00	25.10	18.80	18.80
3747550.44	19.70	19.30	19.20	19.50	25.50	25.80	24.50	22.10	22.20
3747494.06	19.50	19.30	19.10	19.50	20.00	19.20	20.00	23.90	22.40
3747437.68	19.50	18.90	18.60	19.30	19.90	20.00	20.10	20.00	20.10
3747381.30	19.40	19.00	18.80	19.10	20.10	20.10	20.10	19.70	19.90
3747324.92	19.40	19.30	19.50	19.70	20.00	20.10	19.90	19.60	19.70
3747268.54	19.10	18.90	19.60	19.70	20.00	20.10	19.80	19.40	19.60
3747212.16	18.10	24.50	19.30	22.80	20.20	20.10	19.80	19.50	19.10
3747155.78	24.30	24.50	22.60	23.40	20.30	20.40	20.40	20.90	20.10
3747099.40	24.30	24.30	20.30	23.20	20.10	20.50	20.60	20.10	20.00
3747043.02	24.30	17.40	18.60	23.30	19.60	20.00	19.80	20.30	20.40
3746986.64	22.90	21.40	19.00	22.70	19.60	19.70	20.00	19.90	20.50

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2022  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations

\*\*\*      05/15/20  
 \*\*\*      10:04:10  
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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    URBAN    ADJ\_U\*

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

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)		
	378570.37	378657.67	378744.97
3748114.24	16.40	16.00	16.70
3748057.86	17.10	17.30	17.10
3748001.48	17.70	17.20	17.20
3747945.10	17.60	17.40	17.40
3747888.72	18.10	17.40	17.50
3747832.34	17.90	17.50	17.40
3747775.96	17.90	17.60	17.30
3747719.58	18.00	17.70	17.50
3747663.20	18.10	17.70	17.80
3747606.82	18.20	17.80	17.90
3747550.44	18.20	18.00	17.90
3747494.06	19.90	18.50	18.30
3747437.68	21.40	22.40	23.30
3747381.30	20.10	21.00	24.00
3747324.92	19.80	19.20	18.50
3747268.54	19.20	19.00	18.70
3747212.16	18.80	18.60	18.40
3747155.78	19.20	19.40	19.10
3747099.40	18.90	19.30	19.00
3747043.02	19.20	19.20	18.60







12 01 01	1 20	-6.2	0.106	-9.000	-9.000	-999.	83.	17.2	0.24	2.79	1.00	0.99	303.	7.9	287.0	2.0
12 01 01	1 21	-7.6	0.117	-9.000	-9.000	-999.	96.	19.1	0.24	2.79	1.00	1.09	326.	7.9	286.4	2.0
12 01 01	1 22	-6.8	0.110	-9.000	-9.000	-999.	88.	18.0	0.24	2.79	1.00	1.03	297.	7.9	285.9	2.0
12 01 01	1 23	-19.9	0.200	-9.000	-9.000	-999.	214.	43.9	0.24	2.79	1.00	1.79	290.	7.9	285.9	2.0
12 01 01	1 24	-19.6	0.196	-9.000	-9.000	-999.	209.	42.3	0.24	2.79	1.00	1.76	282.	7.9	285.9	2.0

First hour of profile data

YR MO DY HR	HEIGHT F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12 01 01 01	7.9 1	-999.	-99.00	283.8	99.0	-99.00	-99.00

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

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2022      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations      \*\*\*      10:04:10  
 \*\*\* MODELOPTs:      RegDFault      CONC      ELEV      URBAN      ADJ\_U\*      \*\*\*      PAGE 45

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION      VALUES FOR SOURCE GROUP: ALL      \*\*\*  
 INCLUDING SOURCE(S):      STCK1      ,      STCK2      ,      STCK3      ,      STCK4      ,      STCK5      ,  
 STCK6      ,      L0000001      ,      L0000002      ,      L0000003      ,      L0000004      ,      L0000005      ,      L0000006      ,      L0000007      ,  
 L0000008      ,      L0000009      ,      L0000010      ,      L0000011      ,      L0000012      ,      L0000013      ,      L0000014      ,      L0000015      ,  
 L0000016      ,      L0000017      ,      L0000018      ,      L0000019      ,      L0000020      ,      L0000021      ,      L0000022      ,      . . .      ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	376998.97	377086.27	377173.57	377260.87	377348.17	377435.47	377522.77	377610.07	377697.37
3748114.24	0.00025	0.00027	0.00030	0.00031	0.00032	0.00032	0.00031	0.00030	0.00029
3748057.86	0.00024	0.00031	0.00034	0.00037	0.00038	0.00037	0.00036	0.00035	0.00034
3748001.48	0.00031	0.00031	0.00035	0.00044	0.00045	0.00043	0.00043	0.00041	0.00039
3747945.10	0.00035	0.00042	0.00042	0.00046	0.00051	0.00049	0.00051	0.00049	0.00046
3747888.72	0.00040	0.00049	0.00057	0.00077	0.00071	0.00057	0.00059	0.00059	0.00055
3747832.34	0.00046	0.00057	0.00074	0.00136	0.00128	0.00085	0.00067	0.00064	0.00066
3747775.96	0.00051	0.00066	0.00089	0.00176	0.00166	0.00106	0.00092	0.00086	0.00074
3747719.58	0.00058	0.00075	0.00104	0.00199	0.00191	0.00127	0.00112	0.00106	0.00098
3747663.20	0.00064	0.00085	0.00120	0.00224	0.00222	0.00155	0.00142	0.00134	0.00124
3747606.82	0.00070	0.00095	0.00138	0.00253	0.00264	0.00202	0.00187	0.00177	0.00165
3747550.44	0.00076	0.00105	0.00156	0.00288	0.00328	0.00283	0.00265	0.00252	0.00224
3747494.06	0.00081	0.00114	0.00174	0.00349	0.00449	0.00451	0.00465	0.00395	0.00297
3747437.68	0.00085	0.00122	0.00192	0.00619	0.00747	0.00804	0.00852	0.00786	0.00348
3747381.30	0.00088	0.00128	0.00209	0.00401	0.00350	0.00671	0.00628	0.00860	0.00353
3747324.92	0.00089	0.00132	0.00252	0.00345	0.00336	0.00553	0.00492	0.00667	0.00331
3747268.54	0.00087	0.00132	0.00456	0.00352	0.00436	0.00483	0.00471	0.00698	0.00352
3747212.16	0.00083	0.00122	0.00234	0.00312	0.00399	0.00451	0.00435	0.00368	0.00293
3747155.78	0.00078	0.00108	0.00150	0.00195	0.00238	0.00290	0.00280	0.00225	0.00185
3747099.40	0.00070	0.00093	0.00121	0.00153	0.00185	0.00215	0.00212	0.00179	0.00146

3747043.02	0.00062	0.00080	0.00101	0.00127	0.00154	0.00176	0.00172	0.00151	0.00123
3746986.64	0.00055	0.00069	0.00086	0.00107	0.00124	0.00139	0.00141	0.00126	0.00106

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*** AERMOD - VERSION 19191 ***    *** 190th St Warehouse 2022          ***    05/15/20
*** AERMET - VERSION 16216 ***    *** DPM concentrations                ***    10:04:10
                                          PAGE 46
  
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*** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
  
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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION  VALUES FOR SOURCE GROUP: ALL      ***
      INCLUDING SOURCE(S):      STCK1      , STCK2      , STCK3      , STCK4      , STCK5      ,
STCK6      , L0000001      , L0000002      , L0000003      , L0000004      , L0000005      , L0000006      , L0000007      ,
L0000008      , L0000009      , L0000010      , L0000011      , L0000012      , L0000013      , L0000014      , L0000015      ,
L0000016      , L0000017      , L0000018      , L0000019      , L0000020      , L0000021      , L0000022      , . . .      ,
  
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*** NETWORK ID: UCART1   ; NETWORK TYPE: GRIDCART ***
  
```

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

Y-COORD (METERS)	377784.67	377871.97	377959.27	X-COORD (METERS) 378046.57	378133.87	378221.17	378308.47	378395.77	378483.07
3748114.24	0.00028	0.00026	0.00025	0.00023	0.00021	0.00020	0.00019	0.00018	0.00016
3748057.86	0.00032	0.00030	0.00028	0.00026	0.00024	0.00022	0.00020	0.00019	0.00018
3748001.48	0.00037	0.00034	0.00032	0.00029	0.00027	0.00024	0.00022	0.00021	0.00019
3747945.10	0.00043	0.00040	0.00036	0.00033	0.00030	0.00027	0.00025	0.00023	0.00021
3747888.72	0.00051	0.00046	0.00042	0.00038	0.00034	0.00030	0.00027	0.00025	0.00022
3747832.34	0.00060	0.00055	0.00049	0.00043	0.00038	0.00034	0.00030	0.00027	0.00024
3747775.96	0.00070	0.00065	0.00058	0.00050	0.00044	0.00038	0.00033	0.00029	0.00026
3747719.58	0.00090	0.00077	0.00069	0.00059	0.00050	0.00042	0.00036	0.00032	0.00028
3747663.20	0.00113	0.00098	0.00082	0.00069	0.00056	0.00046	0.00039	0.00034	0.00030
3747606.82	0.00145	0.00120	0.00096	0.00076	0.00063	0.00053	0.00043	0.00037	0.00032
3747550.44	0.00183	0.00140	0.00107	0.00083	0.00066	0.00054	0.00049	0.00041	0.00035
3747494.06	0.00212	0.00153	0.00115	0.00089	0.00071	0.00059	0.00050	0.00044	0.00040
3747437.68	0.00227	0.00162	0.00122	0.00096	0.00078	0.00065	0.00056	0.00049	0.00043
3747381.30	0.00234	0.00172	0.00132	0.00106	0.00087	0.00074	0.00065	0.00058	0.00052
3747324.92	0.00241	0.00188	0.00152	0.00126	0.00108	0.00095	0.00086	0.00079	0.00073
3747268.54	0.00297	0.00263	0.00236	0.00215	0.00199	0.00188	0.00180	0.00175	0.00171
3747212.16	0.00254	0.00229	0.00208	0.00188	0.00173	0.00161	0.00151	0.00144	0.00137
3747155.78	0.00151	0.00128	0.00113	0.00101	0.00090	0.00081	0.00074	0.00068	0.00063
3747099.40	0.00120	0.00101	0.00086	0.00075	0.00067	0.00059	0.00053	0.00048	0.00044
3747043.02	0.00102	0.00083	0.00070	0.00060	0.00053	0.00047	0.00043	0.00039	0.00035
3746986.64	0.00087	0.00071	0.00060	0.00051	0.00045	0.00040	0.00036	0.00032	0.00029

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*** AERMOD - VERSION 19191 ***    *** 190th St Warehouse 2022          ***    05/15/20
*** AERMET - VERSION 16216 ***    *** DPM concentrations                ***    10:04:10
                                          PAGE 47
  
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*** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
  
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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION  VALUES FOR SOURCE GROUP: ALL      ***
      INCLUDING SOURCE(S):      STCK1      , STCK2      , STCK3      , STCK4      , STCK5      ,
  
```

STCK6 , L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 ,  
 L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 ,  
 L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)		
	378570.37	378657.67	378744.97
3748114.24	0.00015	0.00014	0.00014
3748057.86	0.00017	0.00015	0.00014
3748001.48	0.00018	0.00017	0.00015
3747945.10	0.00019	0.00018	0.00016
3747888.72	0.00020	0.00019	0.00017
3747832.34	0.00022	0.00020	0.00018
3747775.96	0.00023	0.00021	0.00019
3747719.58	0.00025	0.00022	0.00020
3747663.20	0.00027	0.00024	0.00021
3747606.82	0.00028	0.00025	0.00022
3747550.44	0.00031	0.00027	0.00024
3747494.06	0.00034	0.00029	0.00026
3747437.68	0.00039	0.00035	0.00029
3747381.30	0.00047	0.00040	0.00033
3747324.92	0.00067	0.00056	0.00040
3747268.54	0.00166	0.00149	0.00055
3747212.16	0.00129	0.00112	0.00047
3747155.78	0.00057	0.00047	0.00033
3747099.40	0.00039	0.00034	0.00027
3747043.02	0.00031	0.00027	0.00023
3746986.64	0.00026	0.00023	0.00020

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\* 190th St Warehouse 2022 \*\*\* 05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\* DPM concentrations \*\*\* 10:04:10

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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): STCK1 , STCK2 , STCK3 , STCK4 , STCK5 ,  
 STCK6 , L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 ,  
 L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 ,  
 L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , . . . ,

\*\*\* 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	
377146.65	3747291.37	0.00213	377230.47	3747442.55	0.00300	
377253.39	3747498.09	0.00313	377259.26	3747543.71	0.00288	
377259.26	3747621.90	0.00240	377260.56	3747704.66	0.00204	
378132.19	3747267.37	0.00205	378294.52	3747265.66	0.00197	

\*\*\* AERMOD - VERSION 19191 \*\*\*    \*\*\* 190th St Warehouse 2022    \*\*\*    05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\* DPM concentrations    \*\*\*    10:04:10  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* 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	0.00860 AT (	377610.07, 3747381.30,	20.20,	20.20,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00852 AT (	377522.77, 3747437.68,	19.90,	19.90,	0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.00804 AT (	377435.47, 3747437.68,	19.90,	19.90,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00786 AT (	377610.07, 3747437.68,	20.00,	20.00,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00747 AT (	377348.17, 3747437.68,	19.20,	19.20,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00698 AT (	377610.07, 3747268.54,	19.50,	19.50,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00671 AT (	377435.47, 3747381.30,	19.60,	19.60,	0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00667 AT (	377610.07, 3747324.92,	19.70,	19.70,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00628 AT (	377522.77, 3747381.30,	20.40,	20.40,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00619 AT (	377260.87, 3747437.68,	18.50,	18.50,	0.00)	GC	UCART1

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

\*\*\* AERMOD - VERSION 19191 \*\*\*    \*\*\* 190th St Warehouse 2022    \*\*\*    05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\* DPM concentrations    \*\*\*    10:04:10  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

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

A Total of 0 Fatal Error Message(s)  
 A Total of 8 Warning Message(s)  
 A Total of 1474 Informational Message(s)  
  
 A Total of 43848 Hours Were Processed  
  
 A Total of 1223 Calm Hours Identified  
  
 A Total of 251 Missing Hours Identified ( 0.57 Percent)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
 SO W320 872 PPARM: Input Parameter May Be Out-of-Range for Parameter VS  
 SO W320 873 PPARM: Input Parameter May Be Out-of-Range for Parameter VS  
 SO W320 874 PPARM: Input Parameter May Be Out-of-Range for Parameter VS  
 SO W320 875 PPARM: Input Parameter May Be Out-of-Range for Parameter VS  
 SO W320 876 PPARM: Input Parameter May Be Out-of-Range for Parameter VS  
 SO W320 877 PPARM: Input Parameter May Be Out-of-Range for Parameter VS  
 ME W186 1862 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50  
 ME W187 1862 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

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

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 5/15/2020
** File: C:\Lakes\AERMOD View\190th Street Warehouse 2023-2024\190th Street Warehouse 2023-2024.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
TITLEONE 190th St Warehouse 2023-2024
TITLETWO DPM concentrations 2YR Exposure
MODELOPT DFAULT CONC
AVERTIME PERIOD
URBANOPT 9818605 Los_Angeles_County_Population
POLLUTID DPM
RUNORNOT RUN
ERRORFIL "190th Street Warehouse 2023-2024.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION STCK1 POINT 377375.140 3747396.430 19.240
** DESCRSRC Idling location
LOCATION STCK2 POINT 377406.010 3747397.404 19.450
** DESCRSRC Idling location
LOCATION STCK3 POINT 377432.659 3747397.729 19.590
** DESCRSRC Idling location
LOCATION STCK4 POINT 377463.533 3747397.729 19.800
** DESCRSRC Idling location
LOCATION STCK5 POINT 377492.132 3747397.729 20.080
** DESCRSRC Idling location
LOCATION STCK6 POINT 377521.381 3747398.054 20.590
** DESCRSRC Idling location
** -----
** Line Source Represented by Adjacent Volume Sources

```

```

** LINE VOLUME Source ID = SLINE1
** DESCRSRC Onsite travel to driveway 3
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 3.22E-06
** Elevated
** Building Height = 10.97
** SZINIT = 5.10
** Nodes = 2
** 377309.543, 3747422.669, 18.82, 0.00, 1.70
** 377597.430, 3747424.019, 20.83, 0.00, 1.70
** -----
LOCATION L0001010    VOLUME  377311.371 3747422.678 18.96
LOCATION L0001011    VOLUME  377315.029 3747422.695 18.99
LOCATION L0001012    VOLUME  377318.687 3747422.712 19.02
LOCATION L0001013    VOLUME  377322.344 3747422.729 19.03
LOCATION L0001014    VOLUME  377326.002 3747422.746 19.04
LOCATION L0001015    VOLUME  377329.659 3747422.763 19.06
LOCATION L0001016    VOLUME  377333.317 3747422.781 19.07
LOCATION L0001017    VOLUME  377336.974 3747422.798 19.08
LOCATION L0001018    VOLUME  377340.632 3747422.815 19.09
LOCATION L0001019    VOLUME  377344.289 3747422.832 19.10
LOCATION L0001020    VOLUME  377347.947 3747422.849 19.13
LOCATION L0001021    VOLUME  377351.605 3747422.866 19.17
LOCATION L0001022    VOLUME  377355.262 3747422.883 19.20
LOCATION L0001023    VOLUME  377358.920 3747422.901 19.23
LOCATION L0001024    VOLUME  377362.577 3747422.918 19.26
LOCATION L0001025    VOLUME  377366.235 3747422.935 19.30
LOCATION L0001026    VOLUME  377369.892 3747422.952 19.33
LOCATION L0001027    VOLUME  377373.550 3747422.969 19.35
LOCATION L0001028    VOLUME  377377.208 3747422.986 19.38
LOCATION L0001029    VOLUME  377380.865 3747423.003 19.40
LOCATION L0001030    VOLUME  377384.523 3747423.021 19.42
LOCATION L0001031    VOLUME  377388.180 3747423.038 19.45
LOCATION L0001032    VOLUME  377391.838 3747423.055 19.47
LOCATION L0001033    VOLUME  377395.495 3747423.072 19.50
LOCATION L0001034    VOLUME  377399.153 3747423.089 19.52
LOCATION L0001035    VOLUME  377402.810 3747423.106 19.55
LOCATION L0001036    VOLUME  377406.468 3747423.123 19.57
LOCATION L0001037    VOLUME  377410.126 3747423.141 19.59
LOCATION L0001038    VOLUME  377413.783 3747423.158 19.62
LOCATION L0001039    VOLUME  377417.441 3747423.175 19.64
LOCATION L0001040    VOLUME  377421.098 3747423.192 19.67
LOCATION L0001041    VOLUME  377424.756 3747423.209 19.70
LOCATION L0001042    VOLUME  377428.413 3747423.226 19.72
LOCATION L0001043    VOLUME  377432.071 3747423.243 19.75
LOCATION L0001044    VOLUME  377435.728 3747423.261 19.78
LOCATION L0001045    VOLUME  377439.386 3747423.278 19.80
LOCATION L0001046    VOLUME  377443.044 3747423.295 19.83
LOCATION L0001047    VOLUME  377446.701 3747423.312 19.86

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LOCATION	L0001048	VOLUME	377450.359	3747423.329	19.88
LOCATION	L0001049	VOLUME	377454.016	3747423.346	19.90
LOCATION	L0001050	VOLUME	377457.674	3747423.363	19.92
LOCATION	L0001051	VOLUME	377461.331	3747423.381	19.94
LOCATION	L0001052	VOLUME	377464.989	3747423.398	19.96
LOCATION	L0001053	VOLUME	377468.647	3747423.415	19.98
LOCATION	L0001054	VOLUME	377472.304	3747423.432	20.00
LOCATION	L0001055	VOLUME	377475.962	3747423.449	20.03
LOCATION	L0001056	VOLUME	377479.619	3747423.466	20.06
LOCATION	L0001057	VOLUME	377483.277	3747423.483	20.08
LOCATION	L0001058	VOLUME	377486.934	3747423.501	20.11
LOCATION	L0001059	VOLUME	377490.592	3747423.518	20.14
LOCATION	L0001060	VOLUME	377494.249	3747423.535	20.16
LOCATION	L0001061	VOLUME	377497.907	3747423.552	20.19
LOCATION	L0001062	VOLUME	377501.565	3747423.569	20.20
LOCATION	L0001063	VOLUME	377505.222	3747423.586	20.21
LOCATION	L0001064	VOLUME	377508.880	3747423.604	20.22
LOCATION	L0001065	VOLUME	377512.537	3747423.621	20.23
LOCATION	L0001066	VOLUME	377516.195	3747423.638	20.23
LOCATION	L0001067	VOLUME	377519.852	3747423.655	20.24
LOCATION	L0001068	VOLUME	377523.510	3747423.672	20.24
LOCATION	L0001069	VOLUME	377527.167	3747423.689	20.28
LOCATION	L0001070	VOLUME	377530.825	3747423.706	20.33
LOCATION	L0001071	VOLUME	377534.483	3747423.724	20.38
LOCATION	L0001072	VOLUME	377538.140	3747423.741	20.43
LOCATION	L0001073	VOLUME	377541.798	3747423.758	20.48
LOCATION	L0001074	VOLUME	377545.455	3747423.775	20.53
LOCATION	L0001075	VOLUME	377549.113	3747423.792	20.58
LOCATION	L0001076	VOLUME	377552.770	3747423.809	20.59
LOCATION	L0001077	VOLUME	377556.428	3747423.826	20.57
LOCATION	L0001078	VOLUME	377560.085	3747423.844	20.56
LOCATION	L0001079	VOLUME	377563.743	3747423.861	20.54
LOCATION	L0001080	VOLUME	377567.401	3747423.878	20.53
LOCATION	L0001081	VOLUME	377571.058	3747423.895	20.52
LOCATION	L0001082	VOLUME	377574.716	3747423.912	20.50
LOCATION	L0001083	VOLUME	377578.373	3747423.929	20.46
LOCATION	L0001084	VOLUME	377582.031	3747423.946	20.42
LOCATION	L0001085	VOLUME	377585.688	3747423.964	20.37
LOCATION	L0001086	VOLUME	377589.346	3747423.981	20.32
LOCATION	L0001087	VOLUME	377593.004	3747423.998	20.27
LOCATION	L0001088	VOLUME	377596.661	3747424.015	20.23

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

\*\*

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

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC Onsite travel from driveway 2

\*\* PREFIX

\*\* Length of Side = 3.66

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.92E-06

\*\* Elevated

\*\* Building Height = 10.97  
 \*\* SZINIT = 5.10  
 \*\* Nodes = 2  
 \*\* 377606.877, 3747423.569, 20.16, 0.00, 1.70  
 \*\* 377607.327, 3747251.736, 19.20, 0.00, 1.70

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LOCATION	L0001089	VOLUME	377606.881	3747421.740	20.14
LOCATION	L0001090	VOLUME	377606.891	3747418.082	20.19
LOCATION	L0001091	VOLUME	377606.901	3747414.425	20.23
LOCATION	L0001092	VOLUME	377606.910	3747410.767	20.28
LOCATION	L0001093	VOLUME	377606.920	3747407.110	20.32
LOCATION	L0001094	VOLUME	377606.929	3747403.452	20.34
LOCATION	L0001095	VOLUME	377606.939	3747399.794	20.34
LOCATION	L0001096	VOLUME	377606.948	3747396.137	20.33
LOCATION	L0001097	VOLUME	377606.958	3747392.479	20.33
LOCATION	L0001098	VOLUME	377606.968	3747388.822	20.33
LOCATION	L0001099	VOLUME	377606.977	3747385.164	20.33
LOCATION	L0001100	VOLUME	377606.987	3747381.507	20.33
LOCATION	L0001101	VOLUME	377606.996	3747377.849	20.32
LOCATION	L0001102	VOLUME	377607.006	3747374.191	20.32
LOCATION	L0001103	VOLUME	377607.016	3747370.534	20.26
LOCATION	L0001104	VOLUME	377607.025	3747366.876	20.20
LOCATION	L0001105	VOLUME	377607.035	3747363.219	20.14
LOCATION	L0001106	VOLUME	377607.044	3747359.561	20.08
LOCATION	L0001107	VOLUME	377607.054	3747355.903	20.03
LOCATION	L0001108	VOLUME	377607.063	3747352.246	19.97
LOCATION	L0001109	VOLUME	377607.073	3747348.588	19.91
LOCATION	L0001110	VOLUME	377607.083	3747344.931	19.86
LOCATION	L0001111	VOLUME	377607.092	3747341.273	19.82
LOCATION	L0001112	VOLUME	377607.102	3747337.615	19.78
LOCATION	L0001113	VOLUME	377607.111	3747333.958	19.75
LOCATION	L0001114	VOLUME	377607.121	3747330.300	19.72
LOCATION	L0001115	VOLUME	377607.130	3747326.643	19.69
LOCATION	L0001116	VOLUME	377607.140	3747322.985	19.66
LOCATION	L0001117	VOLUME	377607.150	3747319.328	19.63
LOCATION	L0001118	VOLUME	377607.159	3747315.670	19.60
LOCATION	L0001119	VOLUME	377607.169	3747312.012	19.58
LOCATION	L0001120	VOLUME	377607.178	3747308.355	19.60
LOCATION	L0001121	VOLUME	377607.188	3747304.697	19.63
LOCATION	L0001122	VOLUME	377607.197	3747301.040	19.65
LOCATION	L0001123	VOLUME	377607.207	3747297.382	19.67
LOCATION	L0001124	VOLUME	377607.217	3747293.724	19.69
LOCATION	L0001125	VOLUME	377607.226	3747290.067	19.71
LOCATION	L0001126	VOLUME	377607.236	3747286.409	19.73
LOCATION	L0001127	VOLUME	377607.245	3747282.752	19.75
LOCATION	L0001128	VOLUME	377607.255	3747279.094	19.70
LOCATION	L0001129	VOLUME	377607.264	3747275.436	19.64
LOCATION	L0001130	VOLUME	377607.274	3747271.779	19.57
LOCATION	L0001131	VOLUME	377607.284	3747268.121	19.50
LOCATION	L0001132	VOLUME	377607.293	3747264.464	19.43
LOCATION	L0001133	VOLUME	377607.303	3747260.806	19.37

LOCATION L0001134 VOLUME 377607.312 3747257.149 19.30  
LOCATION L0001135 VOLUME 377607.322 3747253.491 19.23

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Crenshaw Blvd NB n/o Project Driveway 3

\*\* PREFIX

\*\* Length of Side = 3.66

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.93E-06

\*\* Elevated

\*\* Vertical Dimension = 3.66

\*\* SZINIT = 0.85

\*\* Nodes = 2

\*\* 377299.844, 3747422.000, 18.66, 0.00, 1.70

\*\* 377297.707, 3747846.534, 20.45, 0.00, 1.70

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LOCATION L0001136 VOLUME 377299.835 3747423.829 18.87  
LOCATION L0001137 VOLUME 377299.816 3747427.486 18.92  
LOCATION L0001138 VOLUME 377299.798 3747431.144 18.98  
LOCATION L0001139 VOLUME 377299.780 3747434.801 19.03  
LOCATION L0001140 VOLUME 377299.761 3747438.459 19.08  
LOCATION L0001141 VOLUME 377299.743 3747442.117 19.09  
LOCATION L0001142 VOLUME 377299.724 3747445.774 19.08  
LOCATION L0001143 VOLUME 377299.706 3747449.432 19.06  
LOCATION L0001144 VOLUME 377299.688 3747453.089 19.04  
LOCATION L0001145 VOLUME 377299.669 3747456.747 19.03  
LOCATION L0001146 VOLUME 377299.651 3747460.404 19.01  
LOCATION L0001147 VOLUME 377299.632 3747464.062 19.00  
LOCATION L0001148 VOLUME 377299.614 3747467.719 18.98  
LOCATION L0001149 VOLUME 377299.595 3747471.377 18.97  
LOCATION L0001150 VOLUME 377299.577 3747475.035 19.00  
LOCATION L0001151 VOLUME 377299.559 3747478.692 19.04  
LOCATION L0001152 VOLUME 377299.540 3747482.350 19.07  
LOCATION L0001153 VOLUME 377299.522 3747486.007 19.11  
LOCATION L0001154 VOLUME 377299.503 3747489.665 19.14  
LOCATION L0001155 VOLUME 377299.485 3747493.322 19.17  
LOCATION L0001156 VOLUME 377299.467 3747496.980 19.21  
LOCATION L0001157 VOLUME 377299.448 3747500.637 19.24  
LOCATION L0001158 VOLUME 377299.430 3747504.295 19.25  
LOCATION L0001159 VOLUME 377299.411 3747507.953 19.24  
LOCATION L0001160 VOLUME 377299.393 3747511.610 19.24  
LOCATION L0001161 VOLUME 377299.375 3747515.268 19.23  
LOCATION L0001162 VOLUME 377299.356 3747518.925 19.22  
LOCATION L0001163 VOLUME 377299.338 3747522.583 19.22  
LOCATION L0001164 VOLUME 377299.319 3747526.240 19.21  
LOCATION L0001165 VOLUME 377299.301 3747529.898 19.20  
LOCATION L0001166 VOLUME 377299.283 3747533.555 19.20  
LOCATION L0001167 VOLUME 377299.264 3747537.213 19.21  
LOCATION L0001168 VOLUME 377299.246 3747540.870 19.21

LOCATION	L0001169	VOLUME	377299.227	3747544.528	19.22
LOCATION	L0001170	VOLUME	377299.209	3747548.186	19.23
LOCATION	L0001171	VOLUME	377299.190	3747551.843	19.24
LOCATION	L0001172	VOLUME	377299.172	3747555.501	19.24
LOCATION	L0001173	VOLUME	377299.154	3747559.158	19.25
LOCATION	L0001174	VOLUME	377299.135	3747562.816	19.26
LOCATION	L0001175	VOLUME	377299.117	3747566.473	19.29
LOCATION	L0001176	VOLUME	377299.098	3747570.131	19.33
LOCATION	L0001177	VOLUME	377299.080	3747573.788	19.37
LOCATION	L0001178	VOLUME	377299.062	3747577.446	19.41
LOCATION	L0001179	VOLUME	377299.043	3747581.104	19.45
LOCATION	L0001180	VOLUME	377299.025	3747584.761	19.49
LOCATION	L0001181	VOLUME	377299.006	3747588.419	19.53
LOCATION	L0001182	VOLUME	377298.988	3747592.076	19.57
LOCATION	L0001183	VOLUME	377298.970	3747595.734	19.60
LOCATION	L0001184	VOLUME	377298.951	3747599.391	19.63
LOCATION	L0001185	VOLUME	377298.933	3747603.049	19.67
LOCATION	L0001186	VOLUME	377298.914	3747606.706	19.70
LOCATION	L0001187	VOLUME	377298.896	3747610.364	19.73
LOCATION	L0001188	VOLUME	377298.878	3747614.022	19.76
LOCATION	L0001189	VOLUME	377298.859	3747617.679	19.79
LOCATION	L0001190	VOLUME	377298.841	3747621.337	19.82
LOCATION	L0001191	VOLUME	377298.822	3747624.994	19.85
LOCATION	L0001192	VOLUME	377298.804	3747628.652	19.88
LOCATION	L0001193	VOLUME	377298.785	3747632.309	19.90
LOCATION	L0001194	VOLUME	377298.767	3747635.967	19.92
LOCATION	L0001195	VOLUME	377298.749	3747639.624	19.95
LOCATION	L0001196	VOLUME	377298.730	3747643.282	19.97
LOCATION	L0001197	VOLUME	377298.712	3747646.940	20.00
LOCATION	L0001198	VOLUME	377298.693	3747650.597	20.02
LOCATION	L0001199	VOLUME	377298.675	3747654.255	20.05
LOCATION	L0001200	VOLUME	377298.657	3747657.912	20.07
LOCATION	L0001201	VOLUME	377298.638	3747661.570	20.10
LOCATION	L0001202	VOLUME	377298.620	3747665.227	20.12
LOCATION	L0001203	VOLUME	377298.601	3747668.885	20.15
LOCATION	L0001204	VOLUME	377298.583	3747672.542	20.18
LOCATION	L0001205	VOLUME	377298.565	3747676.200	20.20
LOCATION	L0001206	VOLUME	377298.546	3747679.858	20.23
LOCATION	L0001207	VOLUME	377298.528	3747683.515	20.26
LOCATION	L0001208	VOLUME	377298.509	3747687.173	20.28
LOCATION	L0001209	VOLUME	377298.491	3747690.830	20.31
LOCATION	L0001210	VOLUME	377298.473	3747694.488	20.34
LOCATION	L0001211	VOLUME	377298.454	3747698.145	20.38
LOCATION	L0001212	VOLUME	377298.436	3747701.803	20.41
LOCATION	L0001213	VOLUME	377298.417	3747705.460	20.44
LOCATION	L0001214	VOLUME	377298.399	3747709.118	20.47
LOCATION	L0001215	VOLUME	377298.380	3747712.776	20.50
LOCATION	L0001216	VOLUME	377298.362	3747716.433	20.53
LOCATION	L0001217	VOLUME	377298.344	3747720.091	20.55
LOCATION	L0001218	VOLUME	377298.325	3747723.748	20.57
LOCATION	L0001219	VOLUME	377298.307	3747727.406	20.59

LOCATION	VOLUME				
L0001220	377298.288	3747731.063	20.61		
L0001221	377298.270	3747734.721	20.62		
L0001222	377298.252	3747738.378	20.64		
L0001223	377298.233	3747742.036	20.66		
L0001224	377298.215	3747745.693	20.68		
L0001225	377298.196	3747749.351	20.69		
L0001226	377298.178	3747753.009	20.69		
L0001227	377298.160	3747756.666	20.69		
L0001228	377298.141	3747760.324	20.70		
L0001229	377298.123	3747763.981	20.70		
L0001230	377298.104	3747767.639	20.70		
L0001231	377298.086	3747771.296	20.70		
L0001232	377298.068	3747774.954	20.70		
L0001233	377298.049	3747778.611	20.70		
L0001234	377298.031	3747782.269	20.69		
L0001235	377298.012	3747785.927	20.67		
L0001236	377297.994	3747789.584	20.65		
L0001237	377297.975	3747793.242	20.63		
L0001238	377297.957	3747796.899	20.61		
L0001239	377297.939	3747800.557	20.60		
L0001240	377297.920	3747804.214	20.58		
L0001241	377297.902	3747807.872	20.56		
L0001242	377297.883	3747811.529	20.55		
L0001243	377297.865	3747815.187	20.53		
L0001244	377297.847	3747818.845	20.52		
L0001245	377297.828	3747822.502	20.50		
L0001246	377297.810	3747826.160	20.48		
L0001247	377297.791	3747829.817	20.47		
L0001248	377297.773	3747833.475	20.45		
L0001249	377297.755	3747837.132	20.44		
L0001250	377297.736	3747840.790	20.42		
L0001251	377297.718	3747844.447	20.40		

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** End of LINE VOLUME Source ID = SLINE3
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Crenshaw Blvd n/o 190th St
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 1.41E-06
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 6
** 377156.337, 3747243.729, 18.13, 0.00, 1.70
** 377233.697, 3747379.881, 18.46, 0.00, 1.70
** 377255.357, 3747420.108, 18.51, 0.00, 1.70
** 377271.860, 3747448.989, 18.72, 0.00, 1.70
** 377280.112, 3747463.429, 18.72, 0.00, 1.70
** 377289.395, 3747481.996, 19.00, 0.00, 1.70

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LOCATION	L0001252	VOLUME	377157.241	3747245.319	18.15
LOCATION	L0001253	VOLUME	377159.048	3747248.499	18.13
LOCATION	L0001254	VOLUME	377160.854	3747251.679	18.12
LOCATION	L0001255	VOLUME	377162.661	3747254.859	18.10
LOCATION	L0001256	VOLUME	377164.468	3747258.039	18.08
LOCATION	L0001257	VOLUME	377166.275	3747261.220	18.06
LOCATION	L0001258	VOLUME	377168.082	3747264.400	18.04
LOCATION	L0001259	VOLUME	377169.889	3747267.580	18.03
LOCATION	L0001260	VOLUME	377171.696	3747270.760	18.03
LOCATION	L0001261	VOLUME	377173.503	3747273.940	18.03
LOCATION	L0001262	VOLUME	377175.310	3747277.120	18.04
LOCATION	L0001263	VOLUME	377177.116	3747280.300	18.06
LOCATION	L0001264	VOLUME	377178.923	3747283.480	18.09
LOCATION	L0001265	VOLUME	377180.730	3747286.661	18.12
LOCATION	L0001266	VOLUME	377182.537	3747289.841	18.14
LOCATION	L0001267	VOLUME	377184.344	3747293.021	18.15
LOCATION	L0001268	VOLUME	377186.151	3747296.201	18.17
LOCATION	L0001269	VOLUME	377187.958	3747299.381	18.18
LOCATION	L0001270	VOLUME	377189.765	3747302.561	18.19
LOCATION	L0001271	VOLUME	377191.572	3747305.741	18.19
LOCATION	L0001272	VOLUME	377193.378	3747308.921	18.18
LOCATION	L0001273	VOLUME	377195.185	3747312.102	18.18
LOCATION	L0001274	VOLUME	377196.992	3747315.282	18.17
LOCATION	L0001275	VOLUME	377198.799	3747318.462	18.16
LOCATION	L0001276	VOLUME	377200.606	3747321.642	18.14
LOCATION	L0001277	VOLUME	377202.413	3747324.822	18.14
LOCATION	L0001278	VOLUME	377204.220	3747328.002	18.14
LOCATION	L0001279	VOLUME	377206.027	3747331.182	18.15
LOCATION	L0001280	VOLUME	377207.834	3747334.362	18.17
LOCATION	L0001281	VOLUME	377209.640	3747337.543	18.20
LOCATION	L0001282	VOLUME	377211.447	3747340.723	18.24
LOCATION	L0001283	VOLUME	377213.254	3747343.903	18.28
LOCATION	L0001284	VOLUME	377215.061	3747347.083	18.33
LOCATION	L0001285	VOLUME	377216.868	3747350.263	18.34
LOCATION	L0001286	VOLUME	377218.675	3747353.443	18.31
LOCATION	L0001287	VOLUME	377220.482	3747356.623	18.29
LOCATION	L0001288	VOLUME	377222.289	3747359.803	18.28
LOCATION	L0001289	VOLUME	377224.096	3747362.984	18.27
LOCATION	L0001290	VOLUME	377225.902	3747366.164	18.27
LOCATION	L0001291	VOLUME	377227.709	3747369.344	18.28
LOCATION	L0001292	VOLUME	377229.516	3747372.524	18.29
LOCATION	L0001293	VOLUME	377231.323	3747375.704	18.32
LOCATION	L0001294	VOLUME	377233.130	3747378.884	18.34
LOCATION	L0001295	VOLUME	377234.887	3747382.062	18.38
LOCATION	L0001296	VOLUME	377236.621	3747385.242	18.40
LOCATION	L0001297	VOLUME	377238.355	3747388.422	18.43
LOCATION	L0001298	VOLUME	377240.089	3747391.602	18.44
LOCATION	L0001299	VOLUME	377241.823	3747394.782	18.45
LOCATION	L0001300	VOLUME	377243.557	3747398.962	18.44
LOCATION	L0001301	VOLUME	377245.291	3747402.142	18.43

LOCATION	VOLUME			
L0001302	377247.025	3747404.635	18.43	
L0001303	377248.759	3747407.855	18.43	
L0001304	377250.493	3747411.076	18.43	
L0001305	377252.228	3747414.296	18.43	
L0001306	377253.962	3747417.517	18.44	
L0001307	377255.711	3747420.728	18.46	
L0001308	377257.526	3747423.904	18.48	
L0001309	377259.341	3747427.080	18.51	
L0001310	377261.155	3747430.255	18.55	
L0001311	377262.970	3747433.431	18.59	
L0001312	377264.785	3747436.607	18.64	
L0001313	377266.599	3747439.782	18.70	
L0001314	377268.414	3747442.958	18.72	
L0001315	377270.229	3747446.134	18.72	
L0001316	377272.044	3747449.309	18.71	
L0001317	377273.858	3747452.485	18.71	
L0001318	377275.673	3747455.661	18.70	
L0001319	377277.488	3747458.836	18.71	
L0001320	377279.302	3747462.012	18.71	
L0001321	377281.018	3747465.241	18.71	
L0001322	377282.654	3747468.512	18.71	
L0001323	377284.289	3747471.784	18.73	
L0001324	377285.925	3747475.055	18.77	
L0001325	377287.561	3747478.327	18.82	
L0001326	377289.196	3747481.598	18.88	

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

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC 190th St west of 405 fwy SB ramps

\*\* PREFIX

\*\* Length of Side = 3.66

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000129

\*\* Elevated

\*\* Vertical Dimension = 3.66

\*\* SZINIT = 0.85

\*\* Nodes = 2

\*\* 377162.491, 3747238.163, 18.10, 0.00, 1.70

\*\* 378701.707, 3747243.918, 18.18, 0.00, 1.70

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LOCATION	VOLUME			
L0001327	377164.319	3747238.170	18.07	
L0001328	377167.977	3747238.184	18.06	
L0001329	377171.634	3747238.198	18.04	
L0001330	377175.292	3747238.211	18.03	
L0001331	377178.950	3747238.225	18.01	
L0001332	377182.607	3747238.239	18.00	
L0001333	377186.265	3747238.252	17.98	
L0001334	377189.922	3747238.266	17.97	
L0001335	377193.580	3747238.280	17.97	
L0001336	377197.237	3747238.293	17.97	

LOCATION	L0001337	VOLUME	377200.895	3747238.307	17.97
LOCATION	L0001338	VOLUME	377204.553	3747238.321	17.96
LOCATION	L0001339	VOLUME	377208.210	3747238.334	17.96
LOCATION	L0001340	VOLUME	377211.868	3747238.348	17.96
LOCATION	L0001341	VOLUME	377215.525	3747238.362	17.94
LOCATION	L0001342	VOLUME	377219.183	3747238.375	17.89
LOCATION	L0001343	VOLUME	377222.840	3747238.389	17.85
LOCATION	L0001344	VOLUME	377226.498	3747238.403	17.81
LOCATION	L0001345	VOLUME	377230.156	3747238.416	17.77
LOCATION	L0001346	VOLUME	377233.813	3747238.430	17.73
LOCATION	L0001347	VOLUME	377237.471	3747238.444	17.68
LOCATION	L0001348	VOLUME	377241.128	3747238.457	17.67
LOCATION	L0001349	VOLUME	377244.786	3747238.471	17.68
LOCATION	L0001350	VOLUME	377248.444	3747238.485	17.70
LOCATION	L0001351	VOLUME	377252.101	3747238.499	17.71
LOCATION	L0001352	VOLUME	377255.759	3747238.512	17.73
LOCATION	L0001353	VOLUME	377259.416	3747238.526	17.74
LOCATION	L0001354	VOLUME	377263.074	3747238.540	17.76
LOCATION	L0001355	VOLUME	377266.731	3747238.553	17.77
LOCATION	L0001356	VOLUME	377270.389	3747238.567	17.78
LOCATION	L0001357	VOLUME	377274.047	3747238.581	17.79
LOCATION	L0001358	VOLUME	377277.704	3747238.594	17.81
LOCATION	L0001359	VOLUME	377281.362	3747238.608	17.82
LOCATION	L0001360	VOLUME	377285.019	3747238.622	17.83
LOCATION	L0001361	VOLUME	377288.677	3747238.635	17.84
LOCATION	L0001362	VOLUME	377292.334	3747238.649	17.86
LOCATION	L0001363	VOLUME	377295.992	3747238.663	17.90
LOCATION	L0001364	VOLUME	377299.650	3747238.676	17.93
LOCATION	L0001365	VOLUME	377303.307	3747238.690	17.97
LOCATION	L0001366	VOLUME	377306.965	3747238.704	18.01
LOCATION	L0001367	VOLUME	377310.622	3747238.717	18.05
LOCATION	L0001368	VOLUME	377314.280	3747238.731	18.09
LOCATION	L0001369	VOLUME	377317.937	3747238.745	18.13
LOCATION	L0001370	VOLUME	377321.595	3747238.758	18.17
LOCATION	L0001371	VOLUME	377325.253	3747238.772	18.22
LOCATION	L0001372	VOLUME	377328.910	3747238.786	18.26
LOCATION	L0001373	VOLUME	377332.568	3747238.799	18.31
LOCATION	L0001374	VOLUME	377336.225	3747238.813	18.36
LOCATION	L0001375	VOLUME	377339.883	3747238.827	18.40
LOCATION	L0001376	VOLUME	377343.540	3747238.840	18.44
LOCATION	L0001377	VOLUME	377347.198	3747238.854	18.48
LOCATION	L0001378	VOLUME	377350.856	3747238.868	18.52
LOCATION	L0001379	VOLUME	377354.513	3747238.881	18.56
LOCATION	L0001380	VOLUME	377358.171	3747238.895	18.60
LOCATION	L0001381	VOLUME	377361.828	3747238.909	18.64
LOCATION	L0001382	VOLUME	377365.486	3747238.922	18.68
LOCATION	L0001383	VOLUME	377369.143	3747238.936	18.72
LOCATION	L0001384	VOLUME	377372.801	3747238.950	18.75
LOCATION	L0001385	VOLUME	377376.459	3747238.963	18.78
LOCATION	L0001386	VOLUME	377380.116	3747238.977	18.80
LOCATION	L0001387	VOLUME	377383.774	3747238.991	18.83



LOCATION	L0001388	VOLUME	377387.431	3747239.004	18.86
LOCATION	L0001389	VOLUME	377391.089	3747239.018	18.89
LOCATION	L0001390	VOLUME	377394.746	3747239.032	18.93
LOCATION	L0001391	VOLUME	377398.404	3747239.045	18.98
LOCATION	L0001392	VOLUME	377402.062	3747239.059	19.04
LOCATION	L0001393	VOLUME	377405.719	3747239.073	19.09
LOCATION	L0001394	VOLUME	377409.377	3747239.087	19.15
LOCATION	L0001395	VOLUME	377413.034	3747239.100	19.20
LOCATION	L0001396	VOLUME	377416.692	3747239.114	19.26
LOCATION	L0001397	VOLUME	377420.350	3747239.128	19.31
LOCATION	L0001398	VOLUME	377424.007	3747239.141	19.35
LOCATION	L0001399	VOLUME	377427.665	3747239.155	19.39
LOCATION	L0001400	VOLUME	377431.322	3747239.169	19.43
LOCATION	L0001401	VOLUME	377434.980	3747239.182	19.46
LOCATION	L0001402	VOLUME	377438.637	3747239.196	19.50
LOCATION	L0001403	VOLUME	377442.295	3747239.210	19.54
LOCATION	L0001404	VOLUME	377445.953	3747239.223	19.58
LOCATION	L0001405	VOLUME	377449.610	3747239.237	19.61
LOCATION	L0001406	VOLUME	377453.268	3747239.251	19.65
LOCATION	L0001407	VOLUME	377456.925	3747239.264	19.68
LOCATION	L0001408	VOLUME	377460.583	3747239.278	19.71
LOCATION	L0001409	VOLUME	377464.240	3747239.292	19.74
LOCATION	L0001410	VOLUME	377467.898	3747239.305	19.78
LOCATION	L0001411	VOLUME	377471.556	3747239.319	19.80
LOCATION	L0001412	VOLUME	377475.213	3747239.333	19.80
LOCATION	L0001413	VOLUME	377478.871	3747239.346	19.80
LOCATION	L0001414	VOLUME	377482.528	3747239.360	19.80
LOCATION	L0001415	VOLUME	377486.186	3747239.374	19.79
LOCATION	L0001416	VOLUME	377489.843	3747239.387	19.79
LOCATION	L0001417	VOLUME	377493.501	3747239.401	19.79
LOCATION	L0001418	VOLUME	377497.159	3747239.415	19.78
LOCATION	L0001419	VOLUME	377500.816	3747239.428	19.76
LOCATION	L0001420	VOLUME	377504.474	3747239.442	19.74
LOCATION	L0001421	VOLUME	377508.131	3747239.456	19.72
LOCATION	L0001422	VOLUME	377511.789	3747239.469	19.70
LOCATION	L0001423	VOLUME	377515.446	3747239.483	19.68
LOCATION	L0001424	VOLUME	377519.104	3747239.497	19.66
LOCATION	L0001425	VOLUME	377522.762	3747239.510	19.64
LOCATION	L0001426	VOLUME	377526.419	3747239.524	19.62
LOCATION	L0001427	VOLUME	377530.077	3747239.538	19.60
LOCATION	L0001428	VOLUME	377533.734	3747239.551	19.58
LOCATION	L0001429	VOLUME	377537.392	3747239.565	19.56
LOCATION	L0001430	VOLUME	377541.049	3747239.579	19.54
LOCATION	L0001431	VOLUME	377544.707	3747239.592	19.53
LOCATION	L0001432	VOLUME	377548.365	3747239.606	19.51
LOCATION	L0001433	VOLUME	377552.022	3747239.620	19.50
LOCATION	L0001434	VOLUME	377555.680	3747239.634	19.49
LOCATION	L0001435	VOLUME	377559.337	3747239.647	19.47
LOCATION	L0001436	VOLUME	377562.995	3747239.661	19.46
LOCATION	L0001437	VOLUME	377566.652	3747239.675	19.45
LOCATION	L0001438	VOLUME	377570.310	3747239.688	19.44

LOCATION	L0001439	VOLUME	377573.968	3747239.702	19.43
LOCATION	L0001440	VOLUME	377577.625	3747239.716	19.40
LOCATION	L0001441	VOLUME	377581.283	3747239.729	19.37
LOCATION	L0001442	VOLUME	377584.940	3747239.743	19.34
LOCATION	L0001443	VOLUME	377588.598	3747239.757	19.31
LOCATION	L0001444	VOLUME	377592.256	3747239.770	19.28
LOCATION	L0001445	VOLUME	377595.913	3747239.784	19.25
LOCATION	L0001446	VOLUME	377599.571	3747239.798	19.23
LOCATION	L0001447	VOLUME	377603.228	3747239.811	19.21
LOCATION	L0001448	VOLUME	377606.886	3747239.825	19.20
LOCATION	L0001449	VOLUME	377610.543	3747239.839	19.19
LOCATION	L0001450	VOLUME	377614.201	3747239.852	19.18
LOCATION	L0001451	VOLUME	377617.859	3747239.866	19.16
LOCATION	L0001452	VOLUME	377621.516	3747239.880	19.15
LOCATION	L0001453	VOLUME	377625.174	3747239.893	19.14
LOCATION	L0001454	VOLUME	377628.831	3747239.907	19.12
LOCATION	L0001455	VOLUME	377632.489	3747239.921	19.09
LOCATION	L0001456	VOLUME	377636.146	3747239.934	19.07
LOCATION	L0001457	VOLUME	377639.804	3747239.948	19.05
LOCATION	L0001458	VOLUME	377643.462	3747239.962	19.03
LOCATION	L0001459	VOLUME	377647.119	3747239.975	19.01
LOCATION	L0001460	VOLUME	377650.777	3747239.989	18.99
LOCATION	L0001461	VOLUME	377654.434	3747240.003	18.96
LOCATION	L0001462	VOLUME	377658.092	3747240.016	18.94
LOCATION	L0001463	VOLUME	377661.749	3747240.030	18.91
LOCATION	L0001464	VOLUME	377665.407	3747240.044	18.89
LOCATION	L0001465	VOLUME	377669.065	3747240.057	18.86
LOCATION	L0001466	VOLUME	377672.722	3747240.071	18.84
LOCATION	L0001467	VOLUME	377676.380	3747240.085	18.81
LOCATION	L0001468	VOLUME	377680.037	3747240.098	18.79
LOCATION	L0001469	VOLUME	377683.695	3747240.112	18.78
LOCATION	L0001470	VOLUME	377687.352	3747240.126	18.76
LOCATION	L0001471	VOLUME	377691.010	3747240.139	18.74
LOCATION	L0001472	VOLUME	377694.668	3747240.153	18.73
LOCATION	L0001473	VOLUME	377698.325	3747240.167	18.71
LOCATION	L0001474	VOLUME	377701.983	3747240.181	18.69
LOCATION	L0001475	VOLUME	377705.640	3747240.194	18.67
LOCATION	L0001476	VOLUME	377709.298	3747240.208	18.65
LOCATION	L0001477	VOLUME	377712.955	3747240.222	18.63
LOCATION	L0001478	VOLUME	377716.613	3747240.235	18.61
LOCATION	L0001479	VOLUME	377720.271	3747240.249	18.59
LOCATION	L0001480	VOLUME	377723.928	3747240.263	18.56
LOCATION	L0001481	VOLUME	377727.586	3747240.276	18.54
LOCATION	L0001482	VOLUME	377731.243	3747240.290	18.52
LOCATION	L0001483	VOLUME	377734.901	3747240.304	18.49
LOCATION	L0001484	VOLUME	377738.558	3747240.317	18.47
LOCATION	L0001485	VOLUME	377742.216	3747240.331	18.44
LOCATION	L0001486	VOLUME	377745.874	3747240.345	18.42
LOCATION	L0001487	VOLUME	377749.531	3747240.358	18.40
LOCATION	L0001488	VOLUME	377753.189	3747240.372	18.37
LOCATION	L0001489	VOLUME	377756.846	3747240.386	18.34

LOCATION	L0001490	VOLUME	377760.504	3747240.399	18.31
LOCATION	L0001491	VOLUME	377764.162	3747240.413	18.29
LOCATION	L0001492	VOLUME	377767.819	3747240.427	18.26
LOCATION	L0001493	VOLUME	377771.477	3747240.440	18.23
LOCATION	L0001494	VOLUME	377775.134	3747240.454	18.20
LOCATION	L0001495	VOLUME	377778.792	3747240.468	18.17
LOCATION	L0001496	VOLUME	377782.449	3747240.481	18.18
LOCATION	L0001497	VOLUME	377786.107	3747240.495	18.19
LOCATION	L0001498	VOLUME	377789.765	3747240.509	18.19
LOCATION	L0001499	VOLUME	377793.422	3747240.522	18.20
LOCATION	L0001500	VOLUME	377797.080	3747240.536	18.21
LOCATION	L0001501	VOLUME	377800.737	3747240.550	18.22
LOCATION	L0001502	VOLUME	377804.395	3747240.563	18.23
LOCATION	L0001503	VOLUME	377808.052	3747240.577	18.23
LOCATION	L0001504	VOLUME	377811.710	3747240.591	18.24
LOCATION	L0001505	VOLUME	377815.368	3747240.604	18.25
LOCATION	L0001506	VOLUME	377819.025	3747240.618	18.26
LOCATION	L0001507	VOLUME	377822.683	3747240.632	18.26
LOCATION	L0001508	VOLUME	377826.340	3747240.645	18.27
LOCATION	L0001509	VOLUME	377829.998	3747240.659	18.28
LOCATION	L0001510	VOLUME	377833.655	3747240.673	18.28
LOCATION	L0001511	VOLUME	377837.313	3747240.686	18.29
LOCATION	L0001512	VOLUME	377840.971	3747240.700	18.29
LOCATION	L0001513	VOLUME	377844.628	3747240.714	18.29
LOCATION	L0001514	VOLUME	377848.286	3747240.728	18.29
LOCATION	L0001515	VOLUME	377851.943	3747240.741	18.29
LOCATION	L0001516	VOLUME	377855.601	3747240.755	18.30
LOCATION	L0001517	VOLUME	377859.258	3747240.769	18.32
LOCATION	L0001518	VOLUME	377862.916	3747240.782	18.34
LOCATION	L0001519	VOLUME	377866.574	3747240.796	18.36
LOCATION	L0001520	VOLUME	377870.231	3747240.810	18.39
LOCATION	L0001521	VOLUME	377873.889	3747240.823	18.41
LOCATION	L0001522	VOLUME	377877.546	3747240.837	18.44
LOCATION	L0001523	VOLUME	377881.204	3747240.851	18.46
LOCATION	L0001524	VOLUME	377884.861	3747240.864	18.49
LOCATION	L0001525	VOLUME	377888.519	3747240.878	18.51
LOCATION	L0001526	VOLUME	377892.177	3747240.892	18.54
LOCATION	L0001527	VOLUME	377895.834	3747240.905	18.56
LOCATION	L0001528	VOLUME	377899.492	3747240.919	18.59
LOCATION	L0001529	VOLUME	377903.149	3747240.933	18.61
LOCATION	L0001530	VOLUME	377906.807	3747240.946	18.64
LOCATION	L0001531	VOLUME	377910.464	3747240.960	18.66
LOCATION	L0001532	VOLUME	377914.122	3747240.974	18.68
LOCATION	L0001533	VOLUME	377917.780	3747240.987	18.71
LOCATION	L0001534	VOLUME	377921.437	3747241.001	18.73
LOCATION	L0001535	VOLUME	377925.095	3747241.015	18.76
LOCATION	L0001536	VOLUME	377928.752	3747241.028	18.78
LOCATION	L0001537	VOLUME	377932.410	3747241.042	18.81
LOCATION	L0001538	VOLUME	377936.068	3747241.056	18.85
LOCATION	L0001539	VOLUME	377939.725	3747241.069	18.90
LOCATION	L0001540	VOLUME	377943.383	3747241.083	18.95

LOCATION	L0001541	VOLUME	377947.040	3747241.097	19.00
LOCATION	L0001542	VOLUME	377950.698	3747241.110	19.05
LOCATION	L0001543	VOLUME	377954.355	3747241.124	19.10
LOCATION	L0001544	VOLUME	377958.013	3747241.138	19.15
LOCATION	L0001545	VOLUME	377961.671	3747241.151	19.17
LOCATION	L0001546	VOLUME	377965.328	3747241.165	19.17
LOCATION	L0001547	VOLUME	377968.986	3747241.179	19.17
LOCATION	L0001548	VOLUME	377972.643	3747241.192	19.17
LOCATION	L0001549	VOLUME	377976.301	3747241.206	19.16
LOCATION	L0001550	VOLUME	377979.958	3747241.220	19.16
LOCATION	L0001551	VOLUME	377983.616	3747241.233	19.16
LOCATION	L0001552	VOLUME	377987.274	3747241.247	19.17
LOCATION	L0001553	VOLUME	377990.931	3747241.261	19.19
LOCATION	L0001554	VOLUME	377994.589	3747241.274	19.20
LOCATION	L0001555	VOLUME	377998.246	3747241.288	19.22
LOCATION	L0001556	VOLUME	378001.904	3747241.302	19.24
LOCATION	L0001557	VOLUME	378005.561	3747241.316	19.25
LOCATION	L0001558	VOLUME	378009.219	3747241.329	19.27
LOCATION	L0001559	VOLUME	378012.877	3747241.343	19.28
LOCATION	L0001560	VOLUME	378016.534	3747241.357	19.30
LOCATION	L0001561	VOLUME	378020.192	3747241.370	19.31
LOCATION	L0001562	VOLUME	378023.849	3747241.384	19.32
LOCATION	L0001563	VOLUME	378027.507	3747241.398	19.34
LOCATION	L0001564	VOLUME	378031.164	3747241.411	19.35
LOCATION	L0001565	VOLUME	378034.822	3747241.425	19.37
LOCATION	L0001566	VOLUME	378038.480	3747241.439	19.40
LOCATION	L0001567	VOLUME	378042.137	3747241.452	19.44
LOCATION	L0001568	VOLUME	378045.795	3747241.466	19.49
LOCATION	L0001569	VOLUME	378049.452	3747241.480	19.53
LOCATION	L0001570	VOLUME	378053.110	3747241.493	19.57
LOCATION	L0001571	VOLUME	378056.767	3747241.507	19.62
LOCATION	L0001572	VOLUME	378060.425	3747241.521	19.66
LOCATION	L0001573	VOLUME	378064.083	3747241.534	19.68
LOCATION	L0001574	VOLUME	378067.740	3747241.548	19.69
LOCATION	L0001575	VOLUME	378071.398	3747241.562	19.70
LOCATION	L0001576	VOLUME	378075.055	3747241.575	19.70
LOCATION	L0001577	VOLUME	378078.713	3747241.589	19.71
LOCATION	L0001578	VOLUME	378082.370	3747241.603	19.72
LOCATION	L0001579	VOLUME	378086.028	3747241.616	19.72
LOCATION	L0001580	VOLUME	378089.686	3747241.630	19.74
LOCATION	L0001581	VOLUME	378093.343	3747241.644	19.76
LOCATION	L0001582	VOLUME	378097.001	3747241.657	19.78
LOCATION	L0001583	VOLUME	378100.658	3747241.671	19.80
LOCATION	L0001584	VOLUME	378104.316	3747241.685	19.83
LOCATION	L0001585	VOLUME	378107.974	3747241.698	19.85
LOCATION	L0001586	VOLUME	378111.631	3747241.712	19.87
LOCATION	L0001587	VOLUME	378115.289	3747241.726	19.88
LOCATION	L0001588	VOLUME	378118.946	3747241.739	19.89
LOCATION	L0001589	VOLUME	378122.604	3747241.753	19.90
LOCATION	L0001590	VOLUME	378126.261	3747241.767	19.90
LOCATION	L0001591	VOLUME	378129.919	3747241.780	19.91

LOCATION	L0001592	VOLUME	378133.577	3747241.794	19.91
LOCATION	L0001593	VOLUME	378137.234	3747241.808	19.92
LOCATION	L0001594	VOLUME	378140.892	3747241.821	19.92
LOCATION	L0001595	VOLUME	378144.549	3747241.835	19.91
LOCATION	L0001596	VOLUME	378148.207	3747241.849	19.91
LOCATION	L0001597	VOLUME	378151.864	3747241.863	19.91
LOCATION	L0001598	VOLUME	378155.522	3747241.876	19.90
LOCATION	L0001599	VOLUME	378159.180	3747241.890	19.90
LOCATION	L0001600	VOLUME	378162.837	3747241.904	19.90
LOCATION	L0001601	VOLUME	378166.495	3747241.917	19.88
LOCATION	L0001602	VOLUME	378170.152	3747241.931	19.84
LOCATION	L0001603	VOLUME	378173.810	3747241.945	19.80
LOCATION	L0001604	VOLUME	378177.467	3747241.958	19.77
LOCATION	L0001605	VOLUME	378181.125	3747241.972	19.73
LOCATION	L0001606	VOLUME	378184.783	3747241.986	19.69
LOCATION	L0001607	VOLUME	378188.440	3747241.999	19.66
LOCATION	L0001608	VOLUME	378192.098	3747242.013	19.64
LOCATION	L0001609	VOLUME	378195.755	3747242.027	19.66
LOCATION	L0001610	VOLUME	378199.413	3747242.040	19.67
LOCATION	L0001611	VOLUME	378203.070	3747242.054	19.68
LOCATION	L0001612	VOLUME	378206.728	3747242.068	19.69
LOCATION	L0001613	VOLUME	378210.386	3747242.081	19.70
LOCATION	L0001614	VOLUME	378214.043	3747242.095	19.71
LOCATION	L0001615	VOLUME	378217.701	3747242.109	19.71
LOCATION	L0001616	VOLUME	378221.358	3747242.122	19.70
LOCATION	L0001617	VOLUME	378225.016	3747242.136	19.70
LOCATION	L0001618	VOLUME	378228.673	3747242.150	19.69
LOCATION	L0001619	VOLUME	378232.331	3747242.163	19.68
LOCATION	L0001620	VOLUME	378235.989	3747242.177	19.67
LOCATION	L0001621	VOLUME	378239.646	3747242.191	19.66
LOCATION	L0001622	VOLUME	378243.304	3747242.204	19.64
LOCATION	L0001623	VOLUME	378246.961	3747242.218	19.59
LOCATION	L0001624	VOLUME	378250.619	3747242.232	19.54
LOCATION	L0001625	VOLUME	378254.276	3747242.245	19.50
LOCATION	L0001626	VOLUME	378257.934	3747242.259	19.45
LOCATION	L0001627	VOLUME	378261.592	3747242.273	19.40
LOCATION	L0001628	VOLUME	378265.249	3747242.286	19.35
LOCATION	L0001629	VOLUME	378268.907	3747242.300	19.33
LOCATION	L0001630	VOLUME	378272.564	3747242.314	19.34
LOCATION	L0001631	VOLUME	378276.222	3747242.327	19.36
LOCATION	L0001632	VOLUME	378279.880	3747242.341	19.37
LOCATION	L0001633	VOLUME	378283.537	3747242.355	19.39
LOCATION	L0001634	VOLUME	378287.195	3747242.368	19.40
LOCATION	L0001635	VOLUME	378290.852	3747242.382	19.42
LOCATION	L0001636	VOLUME	378294.510	3747242.396	19.43
LOCATION	L0001637	VOLUME	378298.167	3747242.410	19.42
LOCATION	L0001638	VOLUME	378301.825	3747242.423	19.42
LOCATION	L0001639	VOLUME	378305.483	3747242.437	19.42
LOCATION	L0001640	VOLUME	378309.140	3747242.451	19.41
LOCATION	L0001641	VOLUME	378312.798	3747242.464	19.41
LOCATION	L0001642	VOLUME	378316.455	3747242.478	19.41

LOCATION	L0001643	VOLUME	378320.113	3747242.492	19.40
LOCATION	L0001644	VOLUME	378323.770	3747242.505	19.37
LOCATION	L0001645	VOLUME	378327.428	3747242.519	19.35
LOCATION	L0001646	VOLUME	378331.086	3747242.533	19.32
LOCATION	L0001647	VOLUME	378334.743	3747242.546	19.30
LOCATION	L0001648	VOLUME	378338.401	3747242.560	19.27
LOCATION	L0001649	VOLUME	378342.058	3747242.574	19.25
LOCATION	L0001650	VOLUME	378345.716	3747242.587	19.23
LOCATION	L0001651	VOLUME	378349.373	3747242.601	19.22
LOCATION	L0001652	VOLUME	378353.031	3747242.615	19.22
LOCATION	L0001653	VOLUME	378356.689	3747242.628	19.21
LOCATION	L0001654	VOLUME	378360.346	3747242.642	19.20
LOCATION	L0001655	VOLUME	378364.004	3747242.656	19.20
LOCATION	L0001656	VOLUME	378367.661	3747242.669	19.19
LOCATION	L0001657	VOLUME	378371.319	3747242.683	19.18
LOCATION	L0001658	VOLUME	378374.976	3747242.697	19.19
LOCATION	L0001659	VOLUME	378378.634	3747242.710	19.19
LOCATION	L0001660	VOLUME	378382.292	3747242.724	19.19
LOCATION	L0001661	VOLUME	378385.949	3747242.738	19.19
LOCATION	L0001662	VOLUME	378389.607	3747242.751	19.19
LOCATION	L0001663	VOLUME	378393.264	3747242.765	19.19
LOCATION	L0001664	VOLUME	378396.922	3747242.779	19.18
LOCATION	L0001665	VOLUME	378400.579	3747242.792	19.15
LOCATION	L0001666	VOLUME	378404.237	3747242.806	19.12
LOCATION	L0001667	VOLUME	378407.895	3747242.820	19.09
LOCATION	L0001668	VOLUME	378411.552	3747242.833	19.05
LOCATION	L0001669	VOLUME	378415.210	3747242.847	19.02
LOCATION	L0001670	VOLUME	378418.867	3747242.861	18.99
LOCATION	L0001671	VOLUME	378422.525	3747242.874	18.97
LOCATION	L0001672	VOLUME	378426.182	3747242.888	19.00
LOCATION	L0001673	VOLUME	378429.840	3747242.902	19.03
LOCATION	L0001674	VOLUME	378433.498	3747242.915	19.07
LOCATION	L0001675	VOLUME	378437.155	3747242.929	19.10
LOCATION	L0001676	VOLUME	378440.813	3747242.943	19.13
LOCATION	L0001677	VOLUME	378444.470	3747242.957	19.17
LOCATION	L0001678	VOLUME	378448.128	3747242.970	19.19
LOCATION	L0001679	VOLUME	378451.786	3747242.984	19.19
LOCATION	L0001680	VOLUME	378455.443	3747242.998	19.18
LOCATION	L0001681	VOLUME	378459.101	3747243.011	19.18
LOCATION	L0001682	VOLUME	378462.758	3747243.025	19.17
LOCATION	L0001683	VOLUME	378466.416	3747243.039	19.17
LOCATION	L0001684	VOLUME	378470.073	3747243.052	19.17
LOCATION	L0001685	VOLUME	378473.731	3747243.066	19.16
LOCATION	L0001686	VOLUME	378477.389	3747243.080	19.14
LOCATION	L0001687	VOLUME	378481.046	3747243.093	19.11
LOCATION	L0001688	VOLUME	378484.704	3747243.107	19.08
LOCATION	L0001689	VOLUME	378488.361	3747243.121	19.06
LOCATION	L0001690	VOLUME	378492.019	3747243.134	19.03
LOCATION	L0001691	VOLUME	378495.676	3747243.148	19.01
LOCATION	L0001692	VOLUME	378499.334	3747243.162	18.98
LOCATION	L0001693	VOLUME	378502.992	3747243.175	18.96

LOCATION	L0001694	VOLUME	378506.649	3747243.189	18.94
LOCATION	L0001695	VOLUME	378510.307	3747243.203	18.92
LOCATION	L0001696	VOLUME	378513.964	3747243.216	18.90
LOCATION	L0001697	VOLUME	378517.622	3747243.230	18.88
LOCATION	L0001698	VOLUME	378521.279	3747243.244	18.87
LOCATION	L0001699	VOLUME	378524.937	3747243.257	18.85
LOCATION	L0001700	VOLUME	378528.595	3747243.271	18.83
LOCATION	L0001701	VOLUME	378532.252	3747243.285	18.82
LOCATION	L0001702	VOLUME	378535.910	3747243.298	18.81
LOCATION	L0001703	VOLUME	378539.567	3747243.312	18.79
LOCATION	L0001704	VOLUME	378543.225	3747243.326	18.78
LOCATION	L0001705	VOLUME	378546.882	3747243.339	18.76
LOCATION	L0001706	VOLUME	378550.540	3747243.353	18.75
LOCATION	L0001707	VOLUME	378554.198	3747243.367	18.72
LOCATION	L0001708	VOLUME	378557.855	3747243.380	18.70
LOCATION	L0001709	VOLUME	378561.513	3747243.394	18.68
LOCATION	L0001710	VOLUME	378565.170	3747243.408	18.66
LOCATION	L0001711	VOLUME	378568.828	3747243.421	18.63
LOCATION	L0001712	VOLUME	378572.485	3747243.435	18.61
LOCATION	L0001713	VOLUME	378576.143	3747243.449	18.59
LOCATION	L0001714	VOLUME	378579.801	3747243.462	18.60
LOCATION	L0001715	VOLUME	378583.458	3747243.476	18.61
LOCATION	L0001716	VOLUME	378587.116	3747243.490	18.62
LOCATION	L0001717	VOLUME	378590.773	3747243.504	18.63
LOCATION	L0001718	VOLUME	378594.431	3747243.517	18.65
LOCATION	L0001719	VOLUME	378598.088	3747243.531	18.66
LOCATION	L0001720	VOLUME	378601.746	3747243.545	18.67
LOCATION	L0001721	VOLUME	378605.404	3747243.558	18.68
LOCATION	L0001722	VOLUME	378609.061	3747243.572	18.68
LOCATION	L0001723	VOLUME	378612.719	3747243.586	18.69
LOCATION	L0001724	VOLUME	378616.376	3747243.599	18.69
LOCATION	L0001725	VOLUME	378620.034	3747243.613	18.69
LOCATION	L0001726	VOLUME	378623.692	3747243.627	18.70
LOCATION	L0001727	VOLUME	378627.349	3747243.640	18.70
LOCATION	L0001728	VOLUME	378631.007	3747243.654	18.68
LOCATION	L0001729	VOLUME	378634.664	3747243.668	18.65
LOCATION	L0001730	VOLUME	378638.322	3747243.681	18.63
LOCATION	L0001731	VOLUME	378641.979	3747243.695	18.60
LOCATION	L0001732	VOLUME	378645.637	3747243.709	18.57
LOCATION	L0001733	VOLUME	378649.295	3747243.722	18.55
LOCATION	L0001734	VOLUME	378652.952	3747243.736	18.52
LOCATION	L0001735	VOLUME	378656.610	3747243.750	18.49
LOCATION	L0001736	VOLUME	378660.267	3747243.763	18.47
LOCATION	L0001737	VOLUME	378663.925	3747243.777	18.44
LOCATION	L0001738	VOLUME	378667.582	3747243.791	18.41
LOCATION	L0001739	VOLUME	378671.240	3747243.804	18.39
LOCATION	L0001740	VOLUME	378674.898	3747243.818	18.36
LOCATION	L0001741	VOLUME	378678.555	3747243.832	18.33
LOCATION	L0001742	VOLUME	378682.213	3747243.845	18.33
LOCATION	L0001743	VOLUME	378685.870	3747243.859	18.34
LOCATION	L0001744	VOLUME	378689.528	3747243.873	18.35

LOCATION	L0001745	VOLUME	378693.185	3747243.886	18.35
LOCATION	L0001746	VOLUME	378696.843	3747243.900	18.36
LOCATION	L0001747	VOLUME	378700.501	3747243.914	18.36
** End of LINE VOLUME Source ID = SLINE5					
** Source Parameters **					
SRCPARAM	STCK1	0.0000137	3.658	366.000	51.90000 0.091
SRCPARAM	STCK2	0.0000137	3.658	366.000	51.90000 0.091
SRCPARAM	STCK3	0.0000137	3.658	366.000	51.90000 0.091
SRCPARAM	STCK4	0.0000137	3.658	366.000	51.90000 0.091
SRCPARAM	STCK5	0.0000137	3.658	366.000	51.90000 0.091
SRCPARAM	STCK6	0.0000137	3.658	366.000	51.90000 0.091
** LINE VOLUME Source ID = SLINE1					
SRCPARAM	L0001010	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001011	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001012	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001013	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001014	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001015	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001016	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001017	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001018	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001019	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001020	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001021	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001022	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001023	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001024	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001025	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001026	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001027	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001028	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001029	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001030	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001031	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001032	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001033	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001034	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001035	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001036	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001037	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001038	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001039	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001040	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001041	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001042	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001043	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001044	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001045	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001046	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001047	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001048	0.00000004076	0.00	1.70	5.10



SRCPARAM	L0001049	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001050	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001051	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001052	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001053	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001054	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001055	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001056	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001057	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001058	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001059	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001060	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001061	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001062	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001063	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001064	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001065	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001066	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001067	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001068	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001069	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001070	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001071	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001072	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001073	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001074	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001075	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001076	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001077	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001078	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001079	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001080	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001081	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001082	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001083	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001084	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001085	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001086	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001087	0.00000004076	0.00	1.70	5.10
SRCPARAM	L0001088	0.00000004076	0.00	1.70	5.10

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\*\* LINE VOLUME Source ID = SLINE2

SRCPARAM	L0001089	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001090	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001091	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001092	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001093	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001094	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001095	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001096	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001097	0.00000004085	0.00	1.70	5.10

SRCPARAM	L0001098	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001099	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001100	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001101	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001102	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001103	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001104	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001105	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001106	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001107	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001108	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001109	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001110	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001111	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001112	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001113	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001114	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001115	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001116	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001117	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001118	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001119	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001120	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001121	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001122	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001123	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001124	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001125	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001126	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001127	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001128	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001129	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001130	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001131	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001132	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001133	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001134	0.00000004085	0.00	1.70	5.10
SRCPARAM	L0001135	0.00000004085	0.00	1.70	5.10

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 \*\* LINE VOLUME Source ID = SLINE3

SRCPARAM	L0001136	0.0000000425	0.00	1.70	0.85
SRCPARAM	L0001137	0.0000000425	0.00	1.70	0.85
SRCPARAM	L0001138	0.0000000425	0.00	1.70	0.85
SRCPARAM	L0001139	0.0000000425	0.00	1.70	0.85
SRCPARAM	L0001140	0.0000000425	0.00	1.70	0.85
SRCPARAM	L0001141	0.0000000425	0.00	1.70	0.85
SRCPARAM	L0001142	0.0000000425	0.00	1.70	0.85
SRCPARAM	L0001143	0.0000000425	0.00	1.70	0.85
SRCPARAM	L0001144	0.0000000425	0.00	1.70	0.85
SRCPARAM	L0001145	0.0000000425	0.00	1.70	0.85
SRCPARAM	L0001146	0.0000000425	0.00	1.70	0.85





SRCPARAM	L0001249	0.0000000425	0.00	1.70	0.85
SRCPARAM	L0001250	0.0000000425	0.00	1.70	0.85
SRCPARAM	L0001251	0.0000000425	0.00	1.70	0.85

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\*\* LINE VOLUME Source ID = SLINE4

SRCPARAM	L0001252	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001253	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001254	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001255	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001256	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001257	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001258	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001259	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001260	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001261	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001262	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001263	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001264	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001265	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001266	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001267	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001268	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001269	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001270	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001271	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001272	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001273	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001274	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001275	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001276	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001277	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001278	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001279	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001280	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001281	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001282	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001283	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001284	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001285	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001286	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001287	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001288	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001289	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001290	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001291	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001292	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001293	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001294	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001295	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001296	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001297	0.0000000188	0.00	1.70	0.85

SRCPARAM	L0001298	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001299	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001300	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001301	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001302	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001303	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001304	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001305	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001306	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001307	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001308	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001309	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001310	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001311	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001312	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001313	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001314	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001315	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001316	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001317	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001318	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001319	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001320	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001321	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001322	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001323	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001324	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001325	0.0000000188	0.00	1.70	0.85
SRCPARAM	L0001326	0.0000000188	0.00	1.70	0.85

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**	LINE VOLUME Source ID = SLINE5				
SRCPARAM	L0001327	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001328	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001329	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001330	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001331	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001332	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001333	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001334	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001335	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001336	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001337	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001338	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001339	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001340	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001341	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001342	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001343	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001344	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001345	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001346	0.00000003064	0.00	1.70	0.85

















SRCPARAM	L0001704	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001705	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001706	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001707	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001708	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001709	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001710	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001711	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001712	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001713	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001714	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001715	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001716	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001717	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001718	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001719	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001720	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001721	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001722	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001723	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001724	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001725	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001726	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001727	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001728	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001729	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001730	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001731	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001732	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001733	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001734	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001735	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001736	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001737	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001738	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001739	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001740	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001741	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001742	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001743	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001744	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001745	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001746	0.00000003064	0.00	1.70	0.85
SRCPARAM	L0001747	0.00000003064	0.00	1.70	0.85

\*\*

\*\* Building Downwash \*\*

BUILDHGT	STCK1	10.97	10.97	10.97	10.97	10.97	10.97
BUILDHGT	STCK1	10.97	10.97	10.97	10.97	10.97	10.97
BUILDHGT	STCK1	10.97	10.97	10.97	10.97	10.97	10.97
BUILDHGT	STCK1	10.97	10.97	10.97	10.97	10.97	10.97



BUILDWID	STCK3	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK3	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK3	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK3	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK3	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK3	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK4	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK4	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK4	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK4	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK4	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK4	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK5	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK5	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK5	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK5	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK5	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK5	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK6	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK6	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK6	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK6	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK6	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK6	231.78	250.76	262.13	265.53	260.86	249.57
BUILDLN	STCK1	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK1	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK1	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK1	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK1	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK1	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK2	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK2	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK2	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK2	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK2	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK2	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK3	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK3	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK3	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK3	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK3	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK3	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK4	144.21	176.80	205.75	231.78	250.76	262.13



BUILDLN	STCK4	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK4	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK4	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK4	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK4	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK5	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK5	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK5	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK5	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK5	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK5	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK5	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK6	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK6	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK6	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK6	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK6	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK6	258.65	240.82	215.68	183.99	146.70	107.24
XBADJ	STCK1	-115.36	-116.76	-114.61	-108.97	-100.03	-88.04
XBADJ	STCK1	-73.38	-56.50	-38.21	-36.96	-34.58	-31.16
XBADJ	STCK1	-26.78	-21.60	-15.75	-9.43	-2.82	3.22
XBADJ	STCK1	-28.85	-60.04	-91.14	-122.80	-150.73	-174.08
XBADJ	STCK1	-192.15	-204.37	-211.36	-227.05	-235.84	-237.46
XBADJ	STCK1	-231.87	-219.23	-199.93	-174.56	-143.88	-110.46
XBADJ	STCK2	-121.68	-128.23	-130.88	-129.56	-124.30	-115.26
XBADJ	STCK2	-102.72	-87.06	-69.08	-67.19	-63.26	-57.41
XBADJ	STCK2	-49.81	-40.70	-30.35	-19.08	-7.23	4.19
XBADJ	STCK2	-22.53	-48.57	-74.87	-102.22	-126.46	-146.87
XBADJ	STCK2	-162.80	-173.80	-180.49	-196.81	-207.16	-211.21
XBADJ	STCK2	-208.84	-200.13	-185.33	-164.91	-139.47	-111.43
XBADJ	STCK3	-126.63	-137.65	-144.49	-146.94	-144.93	-138.51
XBADJ	STCK3	-127.88	-113.37	-95.73	-93.38	-88.19	-80.32
XBADJ	STCK3	-70.01	-57.57	-43.39	-27.88	-11.53	4.52
XBADJ	STCK3	-17.58	-39.14	-61.26	-84.84	-105.84	-123.62
XBADJ	STCK3	-137.65	-147.50	-153.84	-170.63	-182.23	-188.29
XBADJ	STCK3	-188.64	-183.25	-172.30	-156.10	-135.17	-111.76
XBADJ	STCK4	-131.99	-148.21	-159.93	-166.78	-168.57	-165.24
XBADJ	STCK4	-156.89	-143.77	-126.60	-123.78	-117.20	-107.05
XBADJ	STCK4	-93.66	-77.42	-58.82	-38.44	-16.89	4.52
XBADJ	STCK4	-12.22	-28.59	-45.82	-64.99	-82.19	-96.89
XBADJ	STCK4	-108.64	-117.09	-122.97	-140.23	-153.22	-161.56
XBADJ	STCK4	-164.99	-163.41	-156.86	-145.55	-129.81	-111.76
XBADJ	STCK5	-136.96	-157.99	-174.23	-185.17	-190.48	-190.01
XBADJ	STCK5	-183.76	-171.93	-155.20	-151.94	-144.07	-131.82
XBADJ	STCK5	-115.57	-95.80	-73.12	-48.22	-21.86	4.52

XBADJ	STCK5	-7.25	-18.80	-31.52	-46.61	-60.28	-72.12
XBADJ	STCK5	-81.77	-88.93	-94.37	-112.06	-126.35	-136.79
XBADJ	STCK5	-143.08	-145.02	-142.56	-135.76	-124.84	-111.76
XBADJ	STCK6	-142.35	-168.30	-189.13	-204.21	-213.10	-215.50
XBADJ	STCK6	-211.36	-200.80	-184.45	-180.69	-171.45	-156.99
XBADJ	STCK6	-137.77	-114.36	-87.47	-57.93	-26.62	4.84
XBADJ	STCK6	-1.86	-8.50	-16.62	-27.56	-37.67	-46.63
XBADJ	STCK6	-54.17	-60.07	-65.12	-83.31	-98.97	-111.62
XBADJ	STCK6	-120.88	-126.47	-128.21	-126.06	-120.08	-112.08
YBADJ	STCK1	-95.04	-100.63	-103.15	-102.54	-98.82	-92.09
YBADJ	STCK1	-82.56	-70.53	-56.84	-43.26	-28.36	-11.73
YBADJ	STCK1	6.92	25.35	43.02	59.38	73.94	86.58
YBADJ	STCK1	95.04	100.63	103.15	102.54	98.82	92.09
YBADJ	STCK1	82.56	70.53	56.84	43.26	28.36	11.73
YBADJ	STCK1	-6.92	-25.35	-43.02	-59.38	-73.94	-86.58
YBADJ	STCK2	-64.81	-71.95	-76.90	-79.52	-79.72	-77.49
YBADJ	STCK2	-72.92	-66.12	-57.81	-49.57	-39.83	-28.01
YBADJ	STCK2	-13.67	1.08	15.80	30.04	43.37	55.71
YBADJ	STCK2	64.81	71.95	76.90	79.52	79.72	77.49
YBADJ	STCK2	72.92	66.12	57.81	49.57	39.83	28.01
YBADJ	STCK2	13.67	-1.08	-15.80	-30.04	-43.37	-55.71
YBADJ	STCK3	-38.62	-47.02	-53.99	-59.31	-62.84	-64.45
YBADJ	STCK3	-64.11	-61.82	-58.14	-54.53	-49.25	-41.62
YBADJ	STCK3	-31.05	-19.55	-7.44	4.88	17.06	29.06
YBADJ	STCK3	38.62	47.02	53.99	59.31	62.84	64.45
YBADJ	STCK3	64.11	61.82	58.14	54.53	49.25	41.62
YBADJ	STCK3	31.05	19.55	7.44	-4.88	-17.06	-29.06
YBADJ	STCK4	-8.22	-18.01	-27.25	-35.67	-43.00	-49.02
YBADJ	STCK4	-53.55	-56.46	-58.14	-59.89	-59.81	-57.05
YBADJ	STCK4	-50.90	-43.19	-34.18	-24.12	-13.34	-1.81
YBADJ	STCK4	8.22	18.01	27.25	35.67	43.00	49.02
YBADJ	STCK4	53.55	56.46	58.14	59.89	59.81	57.05
YBADJ	STCK4	50.90	43.19	34.18	24.12	13.34	1.81
YBADJ	STCK5	19.94	8.86	-2.48	-13.76	-24.61	-34.72
YBADJ	STCK5	-43.77	-51.49	-58.14	-64.85	-69.59	-71.35
YBADJ	STCK5	-69.28	-65.10	-58.95	-51.00	-41.50	-30.41
YBADJ	STCK5	-19.94	-8.86	2.48	13.76	24.61	34.72
YBADJ	STCK5	43.77	51.49	58.14	64.85	69.59	71.35
YBADJ	STCK5	69.28	65.10	58.95	51.00	41.50	30.41
YBADJ	STCK6	48.69	36.24	22.69	8.44	-6.06	-20.37
YBADJ	STCK6	-34.07	-46.73	-58.46	-70.25	-79.90	-86.25
YBADJ	STCK6	-88.33	-87.71	-84.44	-78.59	-70.36	-59.66
YBADJ	STCK6	-48.69	-36.24	-22.69	-8.44	6.06	20.37
YBADJ	STCK6	34.07	46.73	58.46	70.25	79.90	86.25

YBADJ STCK6 88.33 87.71 84.44 78.59 70.36 59.66

URBANSRC ALL  
SRCGROUP ALL

SO FINISHED

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\*\* AERMOD Receptor Pathway

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RE STARTING

INCLUDED "190th Street Warehouse 2023-2024.rou"

RE FINISHED

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\*\* AERMOD Meteorology Pathway

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ME STARTING

SURFFILE "E:\New MET data\KHHV\_V9\_ADJU\KHHV\_v9.SFC"

PROFFILE "E:\New MET data\KHHV\_V9\_ADJU\KHHV\_v9.PFL"

SURFDATA 3167 2012

UAIRDATA 3190 2012

PROFBASE 19.0 METERS

ME FINISHED

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\*\* AERMOD Output Pathway

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\*\*

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OU STARTING

\*\* Auto-Generated Plotfiles

PLOTFILE PERIOD ALL "190TH STREET WAREHOUSE 2023-2024.AD\PE00GALL.PLT" 31

SUMMFILE "190th Street Warehouse 2023-2024.sum"

OU FINISHED

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

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

A Total of 0 Fatal Error Message(s)  
A Total of 8 Warning Message(s)  
A Total of 0 Informational Message(s)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

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***** WARNING MESSAGES *****
SO W320      872      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      873      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      874      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      875      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      876      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      877      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
ME W186      1862     MEOPEN: THRESH_LMIN 1-min ASOS wind speed threshold used      0.50
ME W187      1862     MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

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*** AERMOD - VERSION 19191 ***      *** 190th St Warehouse 2023-2024      ***      05/15/20
*** AERMET - VERSION 16216 ***      *** DPM concentrations 2YR Exposure      ***      06:41:20
*** MODELOPTs:   RegDFault  CONC  ELEV  URBAN  ADJ_U*      ***      PAGE 1

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\*\*\* 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

```

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**Model Uses URBAN Dispersion Algorithm for the SBL for 744 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9818605.0 ; Urban Roughness Length = 1.000 m

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**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.

```

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

```

\*\*Model Assumes No FLAGPOLE Receptor Heights.

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

\*\*Model Calculates PERIOD Averages Only

\*\*This Run Includes: 744 Source(s); 1 Source Group(s); and 449 Receptor(s)

with: 6 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 738 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 RLINE/RLINEXT source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

\*\*The AERMET Input Meteorological Data Version Date: 16216

\*\*Output Options Selected:

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

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

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 19.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0  
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07  
Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 4.9 MB of RAM.

\*\*Input Runstream File: aermod.inp

\*\*Output Print File: aermod.out

\*\*Detailed Error/Message File: 190th Street Warehouse 2023-2024.err

\*\*File for Summary of Results: 190th Street Warehouse 2023-2024.sum

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\* 190th St Warehouse 2023-2024 \*\*\* 05/15/20  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\* DPM concentrations 2YR Exposure \*\*\* 06:41:20  
PAGE 2

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* POINT SOURCE DATA \*\*\*

NUMBER	EMISSION RATE	BASE	STACK	STACK	STACK	STACK	BLDG	URBAN	CAP/	EMIS RATE
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SOURCE ID	PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	TEMP. (DEG.K)	EXIT VEL. (M/SEC)	DIAMETER (METERS)	EXISTS	SOURCE HOR	SCALAR VARY BY
STCK1	0	0.13700E-04	377375.1	3747396.4	19.2	3.66	366.00	51.90	0.09	YES	YES	NO
STCK2	0	0.13700E-04	377406.0	3747397.4	19.4	3.66	366.00	51.90	0.09	YES	YES	NO
STCK3	0	0.13700E-04	377432.7	3747397.7	19.6	3.66	366.00	51.90	0.09	YES	YES	NO
STCK4	0	0.13700E-04	377463.5	3747397.7	19.8	3.66	366.00	51.90	0.09	YES	YES	NO
STCK5	0	0.13700E-04	377492.1	3747397.7	20.1	3.66	366.00	51.90	0.09	YES	YES	NO
STCK6	0	0.13700E-04	377521.4	3747398.1	20.6	3.66	366.00	51.90	0.09	YES	YES	NO

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure      \*\*\*      06:41:20  
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\*\*\* MODELOPTs:    RegDFault    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001010	0	0.40760E-07	377311.4	3747422.7	19.0	0.00	1.70	5.10	YES	
L0001011	0	0.40760E-07	377315.0	3747422.7	19.0	0.00	1.70	5.10	YES	
L0001012	0	0.40760E-07	377318.7	3747422.7	19.0	0.00	1.70	5.10	YES	
L0001013	0	0.40760E-07	377322.3	3747422.7	19.0	0.00	1.70	5.10	YES	
L0001014	0	0.40760E-07	377326.0	3747422.7	19.0	0.00	1.70	5.10	YES	
L0001015	0	0.40760E-07	377329.7	3747422.8	19.1	0.00	1.70	5.10	YES	
L0001016	0	0.40760E-07	377333.3	3747422.8	19.1	0.00	1.70	5.10	YES	
L0001017	0	0.40760E-07	377337.0	3747422.8	19.1	0.00	1.70	5.10	YES	
L0001018	0	0.40760E-07	377340.6	3747422.8	19.1	0.00	1.70	5.10	YES	
L0001019	0	0.40760E-07	377344.3	3747422.8	19.1	0.00	1.70	5.10	YES	
L0001020	0	0.40760E-07	377347.9	3747422.8	19.1	0.00	1.70	5.10	YES	
L0001021	0	0.40760E-07	377351.6	3747422.9	19.2	0.00	1.70	5.10	YES	
L0001022	0	0.40760E-07	377355.3	3747422.9	19.2	0.00	1.70	5.10	YES	
L0001023	0	0.40760E-07	377358.9	3747422.9	19.2	0.00	1.70	5.10	YES	
L0001024	0	0.40760E-07	377362.6	3747422.9	19.3	0.00	1.70	5.10	YES	
L0001025	0	0.40760E-07	377366.2	3747422.9	19.3	0.00	1.70	5.10	YES	
L0001026	0	0.40760E-07	377369.9	3747423.0	19.3	0.00	1.70	5.10	YES	
L0001027	0	0.40760E-07	377373.5	3747423.0	19.4	0.00	1.70	5.10	YES	
L0001028	0	0.40760E-07	377377.2	3747423.0	19.4	0.00	1.70	5.10	YES	
L0001029	0	0.40760E-07	377380.9	3747423.0	19.4	0.00	1.70	5.10	YES	
L0001030	0	0.40760E-07	377384.5	3747423.0	19.4	0.00	1.70	5.10	YES	
L0001031	0	0.40760E-07	377388.2	3747423.0	19.4	0.00	1.70	5.10	YES	
L0001032	0	0.40760E-07	377391.8	3747423.1	19.5	0.00	1.70	5.10	YES	
L0001033	0	0.40760E-07	377395.5	3747423.1	19.5	0.00	1.70	5.10	YES	
L0001034	0	0.40760E-07	377399.2	3747423.1	19.5	0.00	1.70	5.10	YES	
L0001035	0	0.40760E-07	377402.8	3747423.1	19.6	0.00	1.70	5.10	YES	
L0001036	0	0.40760E-07	377406.5	3747423.1	19.6	0.00	1.70	5.10	YES	

L0001037	0	0.40760E-07	377410.1	3747423.1	19.6	0.00	1.70	5.10	YES
L0001038	0	0.40760E-07	377413.8	3747423.2	19.6	0.00	1.70	5.10	YES
L0001039	0	0.40760E-07	377417.4	3747423.2	19.6	0.00	1.70	5.10	YES
L0001040	0	0.40760E-07	377421.1	3747423.2	19.7	0.00	1.70	5.10	YES
L0001041	0	0.40760E-07	377424.8	3747423.2	19.7	0.00	1.70	5.10	YES
L0001042	0	0.40760E-07	377428.4	3747423.2	19.7	0.00	1.70	5.10	YES
L0001043	0	0.40760E-07	377432.1	3747423.2	19.8	0.00	1.70	5.10	YES
L0001044	0	0.40760E-07	377435.7	3747423.3	19.8	0.00	1.70	5.10	YES
L0001045	0	0.40760E-07	377439.4	3747423.3	19.8	0.00	1.70	5.10	YES
L0001046	0	0.40760E-07	377443.0	3747423.3	19.8	0.00	1.70	5.10	YES
L0001047	0	0.40760E-07	377446.7	3747423.3	19.9	0.00	1.70	5.10	YES
L0001048	0	0.40760E-07	377450.4	3747423.3	19.9	0.00	1.70	5.10	YES
L0001049	0	0.40760E-07	377454.0	3747423.3	19.9	0.00	1.70	5.10	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure

\*\*\*      05/15/20  
 \*\*\*      06:41:20  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001050	0	0.40760E-07	377457.7	3747423.4	19.9	0.00	1.70	5.10	YES	
L0001051	0	0.40760E-07	377461.3	3747423.4	19.9	0.00	1.70	5.10	YES	
L0001052	0	0.40760E-07	377465.0	3747423.4	20.0	0.00	1.70	5.10	YES	
L0001053	0	0.40760E-07	377468.6	3747423.4	20.0	0.00	1.70	5.10	YES	
L0001054	0	0.40760E-07	377472.3	3747423.4	20.0	0.00	1.70	5.10	YES	
L0001055	0	0.40760E-07	377476.0	3747423.4	20.0	0.00	1.70	5.10	YES	
L0001056	0	0.40760E-07	377479.6	3747423.5	20.1	0.00	1.70	5.10	YES	
L0001057	0	0.40760E-07	377483.3	3747423.5	20.1	0.00	1.70	5.10	YES	
L0001058	0	0.40760E-07	377486.9	3747423.5	20.1	0.00	1.70	5.10	YES	
L0001059	0	0.40760E-07	377490.6	3747423.5	20.1	0.00	1.70	5.10	YES	
L0001060	0	0.40760E-07	377494.2	3747423.5	20.2	0.00	1.70	5.10	YES	
L0001061	0	0.40760E-07	377497.9	3747423.6	20.2	0.00	1.70	5.10	YES	
L0001062	0	0.40760E-07	377501.6	3747423.6	20.2	0.00	1.70	5.10	YES	
L0001063	0	0.40760E-07	377505.2	3747423.6	20.2	0.00	1.70	5.10	YES	
L0001064	0	0.40760E-07	377508.9	3747423.6	20.2	0.00	1.70	5.10	YES	
L0001065	0	0.40760E-07	377512.5	3747423.6	20.2	0.00	1.70	5.10	YES	
L0001066	0	0.40760E-07	377516.2	3747423.6	20.2	0.00	1.70	5.10	YES	
L0001067	0	0.40760E-07	377519.9	3747423.7	20.2	0.00	1.70	5.10	YES	
L0001068	0	0.40760E-07	377523.5	3747423.7	20.2	0.00	1.70	5.10	YES	
L0001069	0	0.40760E-07	377527.2	3747423.7	20.3	0.00	1.70	5.10	YES	
L0001070	0	0.40760E-07	377530.8	3747423.7	20.3	0.00	1.70	5.10	YES	
L0001071	0	0.40760E-07	377534.5	3747423.7	20.4	0.00	1.70	5.10	YES	
L0001072	0	0.40760E-07	377538.1	3747423.7	20.4	0.00	1.70	5.10	YES	
L0001073	0	0.40760E-07	377541.8	3747423.8	20.5	0.00	1.70	5.10	YES	

L0001074	0	0.40760E-07	377545.5	3747423.8	20.5	0.00	1.70	5.10	YES
L0001075	0	0.40760E-07	377549.1	3747423.8	20.6	0.00	1.70	5.10	YES
L0001076	0	0.40760E-07	377552.8	3747423.8	20.6	0.00	1.70	5.10	YES
L0001077	0	0.40760E-07	377556.4	3747423.8	20.6	0.00	1.70	5.10	YES
L0001078	0	0.40760E-07	377560.1	3747423.8	20.6	0.00	1.70	5.10	YES
L0001079	0	0.40760E-07	377563.7	3747423.9	20.5	0.00	1.70	5.10	YES
L0001080	0	0.40760E-07	377567.4	3747423.9	20.5	0.00	1.70	5.10	YES
L0001081	0	0.40760E-07	377571.1	3747423.9	20.5	0.00	1.70	5.10	YES
L0001082	0	0.40760E-07	377574.7	3747423.9	20.5	0.00	1.70	5.10	YES
L0001083	0	0.40760E-07	377578.4	3747423.9	20.5	0.00	1.70	5.10	YES
L0001084	0	0.40760E-07	377582.0	3747423.9	20.4	0.00	1.70	5.10	YES
L0001085	0	0.40760E-07	377585.7	3747424.0	20.4	0.00	1.70	5.10	YES
L0001086	0	0.40760E-07	377589.3	3747424.0	20.3	0.00	1.70	5.10	YES
L0001087	0	0.40760E-07	377593.0	3747424.0	20.3	0.00	1.70	5.10	YES
L0001088	0	0.40760E-07	377596.7	3747424.0	20.2	0.00	1.70	5.10	YES
L0001089	0	0.40850E-07	377606.9	3747421.7	20.1	0.00	1.70	5.10	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure

\*\*\*      05/15/20  
 \*\*\*      06:41:20  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	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
L0001090	0	0.40850E-07	377606.9	3747418.1	20.2	0.00	1.70	5.10	YES	
L0001091	0	0.40850E-07	377606.9	3747414.4	20.2	0.00	1.70	5.10	YES	
L0001092	0	0.40850E-07	377606.9	3747410.8	20.3	0.00	1.70	5.10	YES	
L0001093	0	0.40850E-07	377606.9	3747407.1	20.3	0.00	1.70	5.10	YES	
L0001094	0	0.40850E-07	377606.9	3747403.5	20.3	0.00	1.70	5.10	YES	
L0001095	0	0.40850E-07	377606.9	3747399.8	20.3	0.00	1.70	5.10	YES	
L0001096	0	0.40850E-07	377606.9	3747396.1	20.3	0.00	1.70	5.10	YES	
L0001097	0	0.40850E-07	377607.0	3747392.5	20.3	0.00	1.70	5.10	YES	
L0001098	0	0.40850E-07	377607.0	3747388.8	20.3	0.00	1.70	5.10	YES	
L0001099	0	0.40850E-07	377607.0	3747385.2	20.3	0.00	1.70	5.10	YES	
L0001100	0	0.40850E-07	377607.0	3747381.5	20.3	0.00	1.70	5.10	YES	
L0001101	0	0.40850E-07	377607.0	3747377.8	20.3	0.00	1.70	5.10	YES	
L0001102	0	0.40850E-07	377607.0	3747374.2	20.3	0.00	1.70	5.10	YES	
L0001103	0	0.40850E-07	377607.0	3747370.5	20.3	0.00	1.70	5.10	YES	
L0001104	0	0.40850E-07	377607.0	3747366.9	20.2	0.00	1.70	5.10	YES	
L0001105	0	0.40850E-07	377607.0	3747363.2	20.1	0.00	1.70	5.10	YES	
L0001106	0	0.40850E-07	377607.0	3747359.6	20.1	0.00	1.70	5.10	YES	
L0001107	0	0.40850E-07	377607.1	3747355.9	20.0	0.00	1.70	5.10	YES	
L0001108	0	0.40850E-07	377607.1	3747352.2	20.0	0.00	1.70	5.10	YES	
L0001109	0	0.40850E-07	377607.1	3747348.6	19.9	0.00	1.70	5.10	YES	
L0001110	0	0.40850E-07	377607.1	3747344.9	19.9	0.00	1.70	5.10	YES	



L0001111	0	0.40850E-07	377607.1	3747341.3	19.8	0.00	1.70	5.10	YES
L0001112	0	0.40850E-07	377607.1	3747337.6	19.8	0.00	1.70	5.10	YES
L0001113	0	0.40850E-07	377607.1	3747334.0	19.8	0.00	1.70	5.10	YES
L0001114	0	0.40850E-07	377607.1	3747330.3	19.7	0.00	1.70	5.10	YES
L0001115	0	0.40850E-07	377607.1	3747326.6	19.7	0.00	1.70	5.10	YES
L0001116	0	0.40850E-07	377607.1	3747323.0	19.7	0.00	1.70	5.10	YES
L0001117	0	0.40850E-07	377607.1	3747319.3	19.6	0.00	1.70	5.10	YES
L0001118	0	0.40850E-07	377607.2	3747315.7	19.6	0.00	1.70	5.10	YES
L0001119	0	0.40850E-07	377607.2	3747312.0	19.6	0.00	1.70	5.10	YES
L0001120	0	0.40850E-07	377607.2	3747308.4	19.6	0.00	1.70	5.10	YES
L0001121	0	0.40850E-07	377607.2	3747304.7	19.6	0.00	1.70	5.10	YES
L0001122	0	0.40850E-07	377607.2	3747301.0	19.7	0.00	1.70	5.10	YES
L0001123	0	0.40850E-07	377607.2	3747297.4	19.7	0.00	1.70	5.10	YES
L0001124	0	0.40850E-07	377607.2	3747293.7	19.7	0.00	1.70	5.10	YES
L0001125	0	0.40850E-07	377607.2	3747290.1	19.7	0.00	1.70	5.10	YES
L0001126	0	0.40850E-07	377607.2	3747286.4	19.7	0.00	1.70	5.10	YES
L0001127	0	0.40850E-07	377607.2	3747282.8	19.8	0.00	1.70	5.10	YES
L0001128	0	0.40850E-07	377607.3	3747279.1	19.7	0.00	1.70	5.10	YES
L0001129	0	0.40850E-07	377607.3	3747275.4	19.6	0.00	1.70	5.10	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure      \*\*\*      06:41:20  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001130	0	0.40850E-07	377607.3	3747271.8	19.6	0.00	1.70	5.10	YES	
L0001131	0	0.40850E-07	377607.3	3747268.1	19.5	0.00	1.70	5.10	YES	
L0001132	0	0.40850E-07	377607.3	3747264.5	19.4	0.00	1.70	5.10	YES	
L0001133	0	0.40850E-07	377607.3	3747260.8	19.4	0.00	1.70	5.10	YES	
L0001134	0	0.40850E-07	377607.3	3747257.1	19.3	0.00	1.70	5.10	YES	
L0001135	0	0.40850E-07	377607.3	3747253.5	19.2	0.00	1.70	5.10	YES	
L0001136	0	0.42500E-07	377299.8	3747423.8	18.9	0.00	1.70	0.85	YES	
L0001137	0	0.42500E-07	377299.8	3747427.5	18.9	0.00	1.70	0.85	YES	
L0001138	0	0.42500E-07	377299.8	3747431.1	19.0	0.00	1.70	0.85	YES	
L0001139	0	0.42500E-07	377299.8	3747434.8	19.0	0.00	1.70	0.85	YES	
L0001140	0	0.42500E-07	377299.8	3747438.5	19.1	0.00	1.70	0.85	YES	
L0001141	0	0.42500E-07	377299.7	3747442.1	19.1	0.00	1.70	0.85	YES	
L0001142	0	0.42500E-07	377299.7	3747445.8	19.1	0.00	1.70	0.85	YES	
L0001143	0	0.42500E-07	377299.7	3747449.4	19.1	0.00	1.70	0.85	YES	
L0001144	0	0.42500E-07	377299.7	3747453.1	19.0	0.00	1.70	0.85	YES	
L0001145	0	0.42500E-07	377299.7	3747456.7	19.0	0.00	1.70	0.85	YES	
L0001146	0	0.42500E-07	377299.7	3747460.4	19.0	0.00	1.70	0.85	YES	
L0001147	0	0.42500E-07	377299.6	3747464.1	19.0	0.00	1.70	0.85	YES	



L0001185	0	0.42500E-07	377298.9	3747603.0	19.7	0.00	1.70	0.85	YES
L0001186	0	0.42500E-07	377298.9	3747606.7	19.7	0.00	1.70	0.85	YES
L0001187	0	0.42500E-07	377298.9	3747610.4	19.7	0.00	1.70	0.85	YES
L0001188	0	0.42500E-07	377298.9	3747614.0	19.8	0.00	1.70	0.85	YES
L0001189	0	0.42500E-07	377298.9	3747617.7	19.8	0.00	1.70	0.85	YES
L0001190	0	0.42500E-07	377298.8	3747621.3	19.8	0.00	1.70	0.85	YES
L0001191	0	0.42500E-07	377298.8	3747625.0	19.9	0.00	1.70	0.85	YES
L0001192	0	0.42500E-07	377298.8	3747628.7	19.9	0.00	1.70	0.85	YES
L0001193	0	0.42500E-07	377298.8	3747632.3	19.9	0.00	1.70	0.85	YES
L0001194	0	0.42500E-07	377298.8	3747636.0	19.9	0.00	1.70	0.85	YES
L0001195	0	0.42500E-07	377298.7	3747639.6	19.9	0.00	1.70	0.85	YES
L0001196	0	0.42500E-07	377298.7	3747643.3	20.0	0.00	1.70	0.85	YES
L0001197	0	0.42500E-07	377298.7	3747646.9	20.0	0.00	1.70	0.85	YES
L0001198	0	0.42500E-07	377298.7	3747650.6	20.0	0.00	1.70	0.85	YES
L0001199	0	0.42500E-07	377298.7	3747654.3	20.1	0.00	1.70	0.85	YES
L0001200	0	0.42500E-07	377298.7	3747657.9	20.1	0.00	1.70	0.85	YES
L0001201	0	0.42500E-07	377298.6	3747661.6	20.1	0.00	1.70	0.85	YES
L0001202	0	0.42500E-07	377298.6	3747665.2	20.1	0.00	1.70	0.85	YES
L0001203	0	0.42500E-07	377298.6	3747668.9	20.2	0.00	1.70	0.85	YES
L0001204	0	0.42500E-07	377298.6	3747672.5	20.2	0.00	1.70	0.85	YES
L0001205	0	0.42500E-07	377298.6	3747676.2	20.2	0.00	1.70	0.85	YES
L0001206	0	0.42500E-07	377298.5	3747679.9	20.2	0.00	1.70	0.85	YES
L0001207	0	0.42500E-07	377298.5	3747683.5	20.3	0.00	1.70	0.85	YES
L0001208	0	0.42500E-07	377298.5	3747687.2	20.3	0.00	1.70	0.85	YES
L0001209	0	0.42500E-07	377298.5	3747690.8	20.3	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure

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\*\*\* MODELOPTs:    RegDFault    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001210	0	0.42500E-07	377298.5	3747694.5	20.3	0.00	1.70	0.85	YES	
L0001211	0	0.42500E-07	377298.5	3747698.1	20.4	0.00	1.70	0.85	YES	
L0001212	0	0.42500E-07	377298.4	3747701.8	20.4	0.00	1.70	0.85	YES	
L0001213	0	0.42500E-07	377298.4	3747705.5	20.4	0.00	1.70	0.85	YES	
L0001214	0	0.42500E-07	377298.4	3747709.1	20.5	0.00	1.70	0.85	YES	
L0001215	0	0.42500E-07	377298.4	3747712.8	20.5	0.00	1.70	0.85	YES	
L0001216	0	0.42500E-07	377298.4	3747716.4	20.5	0.00	1.70	0.85	YES	
L0001217	0	0.42500E-07	377298.3	3747720.1	20.6	0.00	1.70	0.85	YES	
L0001218	0	0.42500E-07	377298.3	3747723.7	20.6	0.00	1.70	0.85	YES	
L0001219	0	0.42500E-07	377298.3	3747727.4	20.6	0.00	1.70	0.85	YES	
L0001220	0	0.42500E-07	377298.3	3747731.1	20.6	0.00	1.70	0.85	YES	
L0001221	0	0.42500E-07	377298.3	3747734.7	20.6	0.00	1.70	0.85	YES	

L0001222	0	0.42500E-07	377298.3	3747738.4	20.6	0.00	1.70	0.85	YES
L0001223	0	0.42500E-07	377298.2	3747742.0	20.7	0.00	1.70	0.85	YES
L0001224	0	0.42500E-07	377298.2	3747745.7	20.7	0.00	1.70	0.85	YES
L0001225	0	0.42500E-07	377298.2	3747749.4	20.7	0.00	1.70	0.85	YES
L0001226	0	0.42500E-07	377298.2	3747753.0	20.7	0.00	1.70	0.85	YES
L0001227	0	0.42500E-07	377298.2	3747756.7	20.7	0.00	1.70	0.85	YES
L0001228	0	0.42500E-07	377298.1	3747760.3	20.7	0.00	1.70	0.85	YES
L0001229	0	0.42500E-07	377298.1	3747764.0	20.7	0.00	1.70	0.85	YES
L0001230	0	0.42500E-07	377298.1	3747767.6	20.7	0.00	1.70	0.85	YES
L0001231	0	0.42500E-07	377298.1	3747771.3	20.7	0.00	1.70	0.85	YES
L0001232	0	0.42500E-07	377298.1	3747775.0	20.7	0.00	1.70	0.85	YES
L0001233	0	0.42500E-07	377298.0	3747778.6	20.7	0.00	1.70	0.85	YES
L0001234	0	0.42500E-07	377298.0	3747782.3	20.7	0.00	1.70	0.85	YES
L0001235	0	0.42500E-07	377298.0	3747785.9	20.7	0.00	1.70	0.85	YES
L0001236	0	0.42500E-07	377298.0	3747789.6	20.7	0.00	1.70	0.85	YES
L0001237	0	0.42500E-07	377298.0	3747793.2	20.6	0.00	1.70	0.85	YES
L0001238	0	0.42500E-07	377298.0	3747796.9	20.6	0.00	1.70	0.85	YES
L0001239	0	0.42500E-07	377297.9	3747800.6	20.6	0.00	1.70	0.85	YES
L0001240	0	0.42500E-07	377297.9	3747804.2	20.6	0.00	1.70	0.85	YES
L0001241	0	0.42500E-07	377297.9	3747807.9	20.6	0.00	1.70	0.85	YES
L0001242	0	0.42500E-07	377297.9	3747811.5	20.6	0.00	1.70	0.85	YES
L0001243	0	0.42500E-07	377297.9	3747815.2	20.5	0.00	1.70	0.85	YES
L0001244	0	0.42500E-07	377297.8	3747818.8	20.5	0.00	1.70	0.85	YES
L0001245	0	0.42500E-07	377297.8	3747822.5	20.5	0.00	1.70	0.85	YES
L0001246	0	0.42500E-07	377297.8	3747826.2	20.5	0.00	1.70	0.85	YES
L0001247	0	0.42500E-07	377297.8	3747829.8	20.5	0.00	1.70	0.85	YES
L0001248	0	0.42500E-07	377297.8	3747833.5	20.4	0.00	1.70	0.85	YES
L0001249	0	0.42500E-07	377297.8	3747837.1	20.4	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure

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

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001250	0	0.42500E-07	377297.7	3747840.8	20.4	0.00	1.70	0.85	YES	
L0001251	0	0.42500E-07	377297.7	3747844.4	20.4	0.00	1.70	0.85	YES	
L0001252	0	0.18800E-07	377157.2	3747245.3	18.2	0.00	1.70	0.85	YES	
L0001253	0	0.18800E-07	377159.0	3747248.5	18.1	0.00	1.70	0.85	YES	
L0001254	0	0.18800E-07	377160.9	3747251.7	18.1	0.00	1.70	0.85	YES	
L0001255	0	0.18800E-07	377162.7	3747254.9	18.1	0.00	1.70	0.85	YES	
L0001256	0	0.18800E-07	377164.5	3747258.0	18.1	0.00	1.70	0.85	YES	
L0001257	0	0.18800E-07	377166.3	3747261.2	18.1	0.00	1.70	0.85	YES	
L0001258	0	0.18800E-07	377168.1	3747264.4	18.0	0.00	1.70	0.85	YES	

L0001259	0	0.18800E-07	377169.9	3747267.6	18.0	0.00	1.70	0.85	YES
L0001260	0	0.18800E-07	377171.7	3747270.8	18.0	0.00	1.70	0.85	YES
L0001261	0	0.18800E-07	377173.5	3747273.9	18.0	0.00	1.70	0.85	YES
L0001262	0	0.18800E-07	377175.3	3747277.1	18.0	0.00	1.70	0.85	YES
L0001263	0	0.18800E-07	377177.1	3747280.3	18.1	0.00	1.70	0.85	YES
L0001264	0	0.18800E-07	377178.9	3747283.5	18.1	0.00	1.70	0.85	YES
L0001265	0	0.18800E-07	377180.7	3747286.7	18.1	0.00	1.70	0.85	YES
L0001266	0	0.18800E-07	377182.5	3747289.8	18.1	0.00	1.70	0.85	YES
L0001267	0	0.18800E-07	377184.3	3747293.0	18.2	0.00	1.70	0.85	YES
L0001268	0	0.18800E-07	377186.2	3747296.2	18.2	0.00	1.70	0.85	YES
L0001269	0	0.18800E-07	377188.0	3747299.4	18.2	0.00	1.70	0.85	YES
L0001270	0	0.18800E-07	377189.8	3747302.6	18.2	0.00	1.70	0.85	YES
L0001271	0	0.18800E-07	377191.6	3747305.7	18.2	0.00	1.70	0.85	YES
L0001272	0	0.18800E-07	377193.4	3747308.9	18.2	0.00	1.70	0.85	YES
L0001273	0	0.18800E-07	377195.2	3747312.1	18.2	0.00	1.70	0.85	YES
L0001274	0	0.18800E-07	377197.0	3747315.3	18.2	0.00	1.70	0.85	YES
L0001275	0	0.18800E-07	377198.8	3747318.5	18.2	0.00	1.70	0.85	YES
L0001276	0	0.18800E-07	377200.6	3747321.6	18.1	0.00	1.70	0.85	YES
L0001277	0	0.18800E-07	377202.4	3747324.8	18.1	0.00	1.70	0.85	YES
L0001278	0	0.18800E-07	377204.2	3747328.0	18.1	0.00	1.70	0.85	YES
L0001279	0	0.18800E-07	377206.0	3747331.2	18.2	0.00	1.70	0.85	YES
L0001280	0	0.18800E-07	377207.8	3747334.4	18.2	0.00	1.70	0.85	YES
L0001281	0	0.18800E-07	377209.6	3747337.5	18.2	0.00	1.70	0.85	YES
L0001282	0	0.18800E-07	377211.4	3747340.7	18.2	0.00	1.70	0.85	YES
L0001283	0	0.18800E-07	377213.3	3747343.9	18.3	0.00	1.70	0.85	YES
L0001284	0	0.18800E-07	377215.1	3747347.1	18.3	0.00	1.70	0.85	YES
L0001285	0	0.18800E-07	377216.9	3747350.3	18.3	0.00	1.70	0.85	YES
L0001286	0	0.18800E-07	377218.7	3747353.4	18.3	0.00	1.70	0.85	YES
L0001287	0	0.18800E-07	377220.5	3747356.6	18.3	0.00	1.70	0.85	YES
L0001288	0	0.18800E-07	377222.3	3747359.8	18.3	0.00	1.70	0.85	YES
L0001289	0	0.18800E-07	377224.1	3747363.0	18.3	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
			(METERS)	(METERS)						
L0001290	0	0.18800E-07	377225.9	3747366.2	18.3	0.00	1.70	0.85	YES	
L0001291	0	0.18800E-07	377227.7	3747369.3	18.3	0.00	1.70	0.85	YES	
L0001292	0	0.18800E-07	377229.5	3747372.5	18.3	0.00	1.70	0.85	YES	
L0001293	0	0.18800E-07	377231.3	3747375.7	18.3	0.00	1.70	0.85	YES	
L0001294	0	0.18800E-07	377233.1	3747378.9	18.3	0.00	1.70	0.85	YES	
L0001295	0	0.18800E-07	377234.9	3747382.1	18.4	0.00	1.70	0.85	YES	

L0001296	0	0.18800E-07	377236.6	3747385.3	18.4	0.00	1.70	0.85	YES
L0001297	0	0.18800E-07	377238.4	3747388.5	18.4	0.00	1.70	0.85	YES
L0001298	0	0.18800E-07	377240.1	3747391.8	18.4	0.00	1.70	0.85	YES
L0001299	0	0.18800E-07	377241.8	3747395.0	18.4	0.00	1.70	0.85	YES
L0001300	0	0.18800E-07	377243.6	3747398.2	18.4	0.00	1.70	0.85	YES
L0001301	0	0.18800E-07	377245.3	3747401.4	18.4	0.00	1.70	0.85	YES
L0001302	0	0.18800E-07	377247.0	3747404.6	18.4	0.00	1.70	0.85	YES
L0001303	0	0.18800E-07	377248.8	3747407.9	18.4	0.00	1.70	0.85	YES
L0001304	0	0.18800E-07	377250.5	3747411.1	18.4	0.00	1.70	0.85	YES
L0001305	0	0.18800E-07	377252.2	3747414.3	18.4	0.00	1.70	0.85	YES
L0001306	0	0.18800E-07	377254.0	3747417.5	18.4	0.00	1.70	0.85	YES
L0001307	0	0.18800E-07	377255.7	3747420.7	18.5	0.00	1.70	0.85	YES
L0001308	0	0.18800E-07	377257.5	3747423.9	18.5	0.00	1.70	0.85	YES
L0001309	0	0.18800E-07	377259.3	3747427.1	18.5	0.00	1.70	0.85	YES
L0001310	0	0.18800E-07	377261.2	3747430.3	18.6	0.00	1.70	0.85	YES
L0001311	0	0.18800E-07	377263.0	3747433.4	18.6	0.00	1.70	0.85	YES
L0001312	0	0.18800E-07	377264.8	3747436.6	18.6	0.00	1.70	0.85	YES
L0001313	0	0.18800E-07	377266.6	3747439.8	18.7	0.00	1.70	0.85	YES
L0001314	0	0.18800E-07	377268.4	3747443.0	18.7	0.00	1.70	0.85	YES
L0001315	0	0.18800E-07	377270.2	3747446.1	18.7	0.00	1.70	0.85	YES
L0001316	0	0.18800E-07	377272.0	3747449.3	18.7	0.00	1.70	0.85	YES
L0001317	0	0.18800E-07	377273.9	3747452.5	18.7	0.00	1.70	0.85	YES
L0001318	0	0.18800E-07	377275.7	3747455.7	18.7	0.00	1.70	0.85	YES
L0001319	0	0.18800E-07	377277.5	3747458.8	18.7	0.00	1.70	0.85	YES
L0001320	0	0.18800E-07	377279.3	3747462.0	18.7	0.00	1.70	0.85	YES
L0001321	0	0.18800E-07	377281.0	3747465.2	18.7	0.00	1.70	0.85	YES
L0001322	0	0.18800E-07	377282.7	3747468.5	18.7	0.00	1.70	0.85	YES
L0001323	0	0.18800E-07	377284.3	3747471.8	18.7	0.00	1.70	0.85	YES
L0001324	0	0.18800E-07	377285.9	3747475.1	18.8	0.00	1.70	0.85	YES
L0001325	0	0.18800E-07	377287.6	3747478.3	18.8	0.00	1.70	0.85	YES
L0001326	0	0.18800E-07	377289.2	3747481.6	18.9	0.00	1.70	0.85	YES
L0001327	0	0.30640E-07	377164.3	3747238.2	18.1	0.00	1.70	0.85	YES
L0001328	0	0.30640E-07	377168.0	3747238.2	18.1	0.00	1.70	0.85	YES
L0001329	0	0.30640E-07	377171.6	3747238.2	18.0	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure

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

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001330	0	0.30640E-07	377175.3	3747238.2	18.0	0.00	1.70	0.85	YES	
L0001331	0	0.30640E-07	377179.0	3747238.2	18.0	0.00	1.70	0.85	YES	
L0001332	0	0.30640E-07	377182.6	3747238.2	18.0	0.00	1.70	0.85	YES	

L0001333	0	0.30640E-07	377186.3	3747238.3	18.0	0.00	1.70	0.85	YES
L0001334	0	0.30640E-07	377189.9	3747238.3	18.0	0.00	1.70	0.85	YES
L0001335	0	0.30640E-07	377193.6	3747238.3	18.0	0.00	1.70	0.85	YES
L0001336	0	0.30640E-07	377197.2	3747238.3	18.0	0.00	1.70	0.85	YES
L0001337	0	0.30640E-07	377200.9	3747238.3	18.0	0.00	1.70	0.85	YES
L0001338	0	0.30640E-07	377204.6	3747238.3	18.0	0.00	1.70	0.85	YES
L0001339	0	0.30640E-07	377208.2	3747238.3	18.0	0.00	1.70	0.85	YES
L0001340	0	0.30640E-07	377211.9	3747238.3	18.0	0.00	1.70	0.85	YES
L0001341	0	0.30640E-07	377215.5	3747238.4	17.9	0.00	1.70	0.85	YES
L0001342	0	0.30640E-07	377219.2	3747238.4	17.9	0.00	1.70	0.85	YES
L0001343	0	0.30640E-07	377222.8	3747238.4	17.9	0.00	1.70	0.85	YES
L0001344	0	0.30640E-07	377226.5	3747238.4	17.8	0.00	1.70	0.85	YES
L0001345	0	0.30640E-07	377230.2	3747238.4	17.8	0.00	1.70	0.85	YES
L0001346	0	0.30640E-07	377233.8	3747238.4	17.7	0.00	1.70	0.85	YES
L0001347	0	0.30640E-07	377237.5	3747238.4	17.7	0.00	1.70	0.85	YES
L0001348	0	0.30640E-07	377241.1	3747238.5	17.7	0.00	1.70	0.85	YES
L0001349	0	0.30640E-07	377244.8	3747238.5	17.7	0.00	1.70	0.85	YES
L0001350	0	0.30640E-07	377248.4	3747238.5	17.7	0.00	1.70	0.85	YES
L0001351	0	0.30640E-07	377252.1	3747238.5	17.7	0.00	1.70	0.85	YES
L0001352	0	0.30640E-07	377255.8	3747238.5	17.7	0.00	1.70	0.85	YES
L0001353	0	0.30640E-07	377259.4	3747238.5	17.7	0.00	1.70	0.85	YES
L0001354	0	0.30640E-07	377263.1	3747238.5	17.8	0.00	1.70	0.85	YES
L0001355	0	0.30640E-07	377266.7	3747238.6	17.8	0.00	1.70	0.85	YES
L0001356	0	0.30640E-07	377270.4	3747238.6	17.8	0.00	1.70	0.85	YES
L0001357	0	0.30640E-07	377274.0	3747238.6	17.8	0.00	1.70	0.85	YES
L0001358	0	0.30640E-07	377277.7	3747238.6	17.8	0.00	1.70	0.85	YES
L0001359	0	0.30640E-07	377281.4	3747238.6	17.8	0.00	1.70	0.85	YES
L0001360	0	0.30640E-07	377285.0	3747238.6	17.8	0.00	1.70	0.85	YES
L0001361	0	0.30640E-07	377288.7	3747238.6	17.8	0.00	1.70	0.85	YES
L0001362	0	0.30640E-07	377292.3	3747238.6	17.9	0.00	1.70	0.85	YES
L0001363	0	0.30640E-07	377296.0	3747238.7	17.9	0.00	1.70	0.85	YES
L0001364	0	0.30640E-07	377299.6	3747238.7	17.9	0.00	1.70	0.85	YES
L0001365	0	0.30640E-07	377303.3	3747238.7	18.0	0.00	1.70	0.85	YES
L0001366	0	0.30640E-07	377307.0	3747238.7	18.0	0.00	1.70	0.85	YES
L0001367	0	0.30640E-07	377310.6	3747238.7	18.1	0.00	1.70	0.85	YES
L0001368	0	0.30640E-07	377314.3	3747238.7	18.1	0.00	1.70	0.85	YES
L0001369	0	0.30640E-07	377317.9	3747238.7	18.1	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure

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\*\*\* MODELOPTs:      RegDFault CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
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L0001370	0	0.30640E-07	377321.6	3747238.8	18.2	0.00	1.70	0.85	YES
L0001371	0	0.30640E-07	377325.3	3747238.8	18.2	0.00	1.70	0.85	YES
L0001372	0	0.30640E-07	377328.9	3747238.8	18.3	0.00	1.70	0.85	YES
L0001373	0	0.30640E-07	377332.6	3747238.8	18.3	0.00	1.70	0.85	YES
L0001374	0	0.30640E-07	377336.2	3747238.8	18.4	0.00	1.70	0.85	YES
L0001375	0	0.30640E-07	377339.9	3747238.8	18.4	0.00	1.70	0.85	YES
L0001376	0	0.30640E-07	377343.5	3747238.8	18.4	0.00	1.70	0.85	YES
L0001377	0	0.30640E-07	377347.2	3747238.9	18.5	0.00	1.70	0.85	YES
L0001378	0	0.30640E-07	377350.9	3747238.9	18.5	0.00	1.70	0.85	YES
L0001379	0	0.30640E-07	377354.5	3747238.9	18.6	0.00	1.70	0.85	YES
L0001380	0	0.30640E-07	377358.2	3747238.9	18.6	0.00	1.70	0.85	YES
L0001381	0	0.30640E-07	377361.8	3747238.9	18.6	0.00	1.70	0.85	YES
L0001382	0	0.30640E-07	377365.5	3747238.9	18.7	0.00	1.70	0.85	YES
L0001383	0	0.30640E-07	377369.1	3747238.9	18.7	0.00	1.70	0.85	YES
L0001384	0	0.30640E-07	377372.8	3747238.9	18.8	0.00	1.70	0.85	YES
L0001385	0	0.30640E-07	377376.5	3747239.0	18.8	0.00	1.70	0.85	YES
L0001386	0	0.30640E-07	377380.1	3747239.0	18.8	0.00	1.70	0.85	YES
L0001387	0	0.30640E-07	377383.8	3747239.0	18.8	0.00	1.70	0.85	YES
L0001388	0	0.30640E-07	377387.4	3747239.0	18.9	0.00	1.70	0.85	YES
L0001389	0	0.30640E-07	377391.1	3747239.0	18.9	0.00	1.70	0.85	YES
L0001390	0	0.30640E-07	377394.7	3747239.0	18.9	0.00	1.70	0.85	YES
L0001391	0	0.30640E-07	377398.4	3747239.0	19.0	0.00	1.70	0.85	YES
L0001392	0	0.30640E-07	377402.1	3747239.1	19.0	0.00	1.70	0.85	YES
L0001393	0	0.30640E-07	377405.7	3747239.1	19.1	0.00	1.70	0.85	YES
L0001394	0	0.30640E-07	377409.4	3747239.1	19.2	0.00	1.70	0.85	YES
L0001395	0	0.30640E-07	377413.0	3747239.1	19.2	0.00	1.70	0.85	YES
L0001396	0	0.30640E-07	377416.7	3747239.1	19.3	0.00	1.70	0.85	YES
L0001397	0	0.30640E-07	377420.3	3747239.1	19.3	0.00	1.70	0.85	YES
L0001398	0	0.30640E-07	377424.0	3747239.1	19.4	0.00	1.70	0.85	YES
L0001399	0	0.30640E-07	377427.7	3747239.2	19.4	0.00	1.70	0.85	YES
L0001400	0	0.30640E-07	377431.3	3747239.2	19.4	0.00	1.70	0.85	YES
L0001401	0	0.30640E-07	377435.0	3747239.2	19.5	0.00	1.70	0.85	YES
L0001402	0	0.30640E-07	377438.6	3747239.2	19.5	0.00	1.70	0.85	YES
L0001403	0	0.30640E-07	377442.3	3747239.2	19.5	0.00	1.70	0.85	YES
L0001404	0	0.30640E-07	377446.0	3747239.2	19.6	0.00	1.70	0.85	YES
L0001405	0	0.30640E-07	377449.6	3747239.2	19.6	0.00	1.70	0.85	YES
L0001406	0	0.30640E-07	377453.3	3747239.3	19.7	0.00	1.70	0.85	YES
L0001407	0	0.30640E-07	377456.9	3747239.3	19.7	0.00	1.70	0.85	YES
L0001408	0	0.30640E-07	377460.6	3747239.3	19.7	0.00	1.70	0.85	YES
L0001409	0	0.30640E-07	377464.2	3747239.3	19.7	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure

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

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

SOURCE	NUMBER PART.	EMISSION RATE (GRAMS/SEC)	X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR	VARY
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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
L0001450	0	0.30640E-07	377614.2	3747239.9	19.2	0.00	1.70	0.85	YES	
L0001451	0	0.30640E-07	377617.9	3747239.9	19.2	0.00	1.70	0.85	YES	
L0001452	0	0.30640E-07	377621.5	3747239.9	19.2	0.00	1.70	0.85	YES	
L0001453	0	0.30640E-07	377625.2	3747239.9	19.1	0.00	1.70	0.85	YES	
L0001454	0	0.30640E-07	377628.8	3747239.9	19.1	0.00	1.70	0.85	YES	
L0001455	0	0.30640E-07	377632.5	3747239.9	19.1	0.00	1.70	0.85	YES	
L0001456	0	0.30640E-07	377636.1	3747239.9	19.1	0.00	1.70	0.85	YES	
L0001457	0	0.30640E-07	377639.8	3747239.9	19.1	0.00	1.70	0.85	YES	
L0001458	0	0.30640E-07	377643.5	3747240.0	19.0	0.00	1.70	0.85	YES	
L0001459	0	0.30640E-07	377647.1	3747240.0	19.0	0.00	1.70	0.85	YES	
L0001460	0	0.30640E-07	377650.8	3747240.0	19.0	0.00	1.70	0.85	YES	
L0001461	0	0.30640E-07	377654.4	3747240.0	19.0	0.00	1.70	0.85	YES	
L0001462	0	0.30640E-07	377658.1	3747240.0	18.9	0.00	1.70	0.85	YES	
L0001463	0	0.30640E-07	377661.7	3747240.0	18.9	0.00	1.70	0.85	YES	
L0001464	0	0.30640E-07	377665.4	3747240.0	18.9	0.00	1.70	0.85	YES	
L0001465	0	0.30640E-07	377669.1	3747240.1	18.9	0.00	1.70	0.85	YES	
L0001466	0	0.30640E-07	377672.7	3747240.1	18.8	0.00	1.70	0.85	YES	
L0001467	0	0.30640E-07	377676.4	3747240.1	18.8	0.00	1.70	0.85	YES	
L0001468	0	0.30640E-07	377680.0	3747240.1	18.8	0.00	1.70	0.85	YES	
L0001469	0	0.30640E-07	377683.7	3747240.1	18.8	0.00	1.70	0.85	YES	
L0001470	0	0.30640E-07	377687.4	3747240.1	18.8	0.00	1.70	0.85	YES	
L0001471	0	0.30640E-07	377691.0	3747240.1	18.7	0.00	1.70	0.85	YES	
L0001472	0	0.30640E-07	377694.7	3747240.2	18.7	0.00	1.70	0.85	YES	
L0001473	0	0.30640E-07	377698.3	3747240.2	18.7	0.00	1.70	0.85	YES	
L0001474	0	0.30640E-07	377702.0	3747240.2	18.7	0.00	1.70	0.85	YES	
L0001475	0	0.30640E-07	377705.6	3747240.2	18.7	0.00	1.70	0.85	YES	
L0001476	0	0.30640E-07	377709.3	3747240.2	18.7	0.00	1.70	0.85	YES	
L0001477	0	0.30640E-07	377713.0	3747240.2	18.6	0.00	1.70	0.85	YES	
L0001478	0	0.30640E-07	377716.6	3747240.2	18.6	0.00	1.70	0.85	YES	
L0001479	0	0.30640E-07	377720.3	3747240.2	18.6	0.00	1.70	0.85	YES	
L0001480	0	0.30640E-07	377723.9	3747240.3	18.6	0.00	1.70	0.85	YES	
L0001481	0	0.30640E-07	377727.6	3747240.3	18.5	0.00	1.70	0.85	YES	
L0001482	0	0.30640E-07	377731.2	3747240.3	18.5	0.00	1.70	0.85	YES	
L0001483	0	0.30640E-07	377734.9	3747240.3	18.5	0.00	1.70	0.85	YES	
L0001484	0	0.30640E-07	377738.6	3747240.3	18.5	0.00	1.70	0.85	YES	
L0001485	0	0.30640E-07	377742.2	3747240.3	18.4	0.00	1.70	0.85	YES	
L0001486	0	0.30640E-07	377745.9	3747240.3	18.4	0.00	1.70	0.85	YES	
L0001487	0	0.30640E-07	377749.5	3747240.4	18.4	0.00	1.70	0.85	YES	
L0001488	0	0.30640E-07	377753.2	3747240.4	18.4	0.00	1.70	0.85	YES	
L0001489	0	0.30640E-07	377756.8	3747240.4	18.3	0.00	1.70	0.85	YES	

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure  
 \*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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\*\*\* 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
L0001490	0	0.30640E-07	377760.5	3747240.4	18.3	0.00	1.70	0.85	YES	
L0001491	0	0.30640E-07	377764.2	3747240.4	18.3	0.00	1.70	0.85	YES	
L0001492	0	0.30640E-07	377767.8	3747240.4	18.3	0.00	1.70	0.85	YES	
L0001493	0	0.30640E-07	377771.5	3747240.4	18.2	0.00	1.70	0.85	YES	
L0001494	0	0.30640E-07	377775.1	3747240.5	18.2	0.00	1.70	0.85	YES	
L0001495	0	0.30640E-07	377778.8	3747240.5	18.2	0.00	1.70	0.85	YES	
L0001496	0	0.30640E-07	377782.4	3747240.5	18.2	0.00	1.70	0.85	YES	
L0001497	0	0.30640E-07	377786.1	3747240.5	18.2	0.00	1.70	0.85	YES	
L0001498	0	0.30640E-07	377789.8	3747240.5	18.2	0.00	1.70	0.85	YES	
L0001499	0	0.30640E-07	377793.4	3747240.5	18.2	0.00	1.70	0.85	YES	
L0001500	0	0.30640E-07	377797.1	3747240.5	18.2	0.00	1.70	0.85	YES	
L0001501	0	0.30640E-07	377800.7	3747240.5	18.2	0.00	1.70	0.85	YES	
L0001502	0	0.30640E-07	377804.4	3747240.6	18.2	0.00	1.70	0.85	YES	
L0001503	0	0.30640E-07	377808.1	3747240.6	18.2	0.00	1.70	0.85	YES	
L0001504	0	0.30640E-07	377811.7	3747240.6	18.2	0.00	1.70	0.85	YES	
L0001505	0	0.30640E-07	377815.4	3747240.6	18.2	0.00	1.70	0.85	YES	
L0001506	0	0.30640E-07	377819.0	3747240.6	18.3	0.00	1.70	0.85	YES	
L0001507	0	0.30640E-07	377822.7	3747240.6	18.3	0.00	1.70	0.85	YES	
L0001508	0	0.30640E-07	377826.3	3747240.6	18.3	0.00	1.70	0.85	YES	
L0001509	0	0.30640E-07	377830.0	3747240.7	18.3	0.00	1.70	0.85	YES	
L0001510	0	0.30640E-07	377833.7	3747240.7	18.3	0.00	1.70	0.85	YES	
L0001511	0	0.30640E-07	377837.3	3747240.7	18.3	0.00	1.70	0.85	YES	
L0001512	0	0.30640E-07	377841.0	3747240.7	18.3	0.00	1.70	0.85	YES	
L0001513	0	0.30640E-07	377844.6	3747240.7	18.3	0.00	1.70	0.85	YES	
L0001514	0	0.30640E-07	377848.3	3747240.7	18.3	0.00	1.70	0.85	YES	
L0001515	0	0.30640E-07	377851.9	3747240.7	18.3	0.00	1.70	0.85	YES	
L0001516	0	0.30640E-07	377855.6	3747240.8	18.3	0.00	1.70	0.85	YES	
L0001517	0	0.30640E-07	377859.3	3747240.8	18.3	0.00	1.70	0.85	YES	
L0001518	0	0.30640E-07	377862.9	3747240.8	18.3	0.00	1.70	0.85	YES	
L0001519	0	0.30640E-07	377866.6	3747240.8	18.4	0.00	1.70	0.85	YES	
L0001520	0	0.30640E-07	377870.2	3747240.8	18.4	0.00	1.70	0.85	YES	
L0001521	0	0.30640E-07	377873.9	3747240.8	18.4	0.00	1.70	0.85	YES	
L0001522	0	0.30640E-07	377877.5	3747240.8	18.4	0.00	1.70	0.85	YES	
L0001523	0	0.30640E-07	377881.2	3747240.9	18.5	0.00	1.70	0.85	YES	
L0001524	0	0.30640E-07	377884.9	3747240.9	18.5	0.00	1.70	0.85	YES	
L0001525	0	0.30640E-07	377888.5	3747240.9	18.5	0.00	1.70	0.85	YES	
L0001526	0	0.30640E-07	377892.2	3747240.9	18.5	0.00	1.70	0.85	YES	
L0001527	0	0.30640E-07	377895.8	3747240.9	18.6	0.00	1.70	0.85	YES	
L0001528	0	0.30640E-07	377899.5	3747240.9	18.6	0.00	1.70	0.85	YES	
L0001529	0	0.30640E-07	377903.1	3747240.9	18.6	0.00	1.70	0.85	YES	

\*\*\* AERMOD - VERSION 19191 \*\*\*

\*\*\* 190th St Warehouse 2023-2024

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05/15/20

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

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001530	0	0.30640E-07	377906.8	3747240.9	18.6	0.00	1.70	0.85	YES	
L0001531	0	0.30640E-07	377910.5	3747241.0	18.7	0.00	1.70	0.85	YES	
L0001532	0	0.30640E-07	377914.1	3747241.0	18.7	0.00	1.70	0.85	YES	
L0001533	0	0.30640E-07	377917.8	3747241.0	18.7	0.00	1.70	0.85	YES	
L0001534	0	0.30640E-07	377921.4	3747241.0	18.7	0.00	1.70	0.85	YES	
L0001535	0	0.30640E-07	377925.1	3747241.0	18.8	0.00	1.70	0.85	YES	
L0001536	0	0.30640E-07	377928.8	3747241.0	18.8	0.00	1.70	0.85	YES	
L0001537	0	0.30640E-07	377932.4	3747241.0	18.8	0.00	1.70	0.85	YES	
L0001538	0	0.30640E-07	377936.1	3747241.1	18.9	0.00	1.70	0.85	YES	
L0001539	0	0.30640E-07	377939.7	3747241.1	18.9	0.00	1.70	0.85	YES	
L0001540	0	0.30640E-07	377943.4	3747241.1	18.9	0.00	1.70	0.85	YES	
L0001541	0	0.30640E-07	377947.0	3747241.1	19.0	0.00	1.70	0.85	YES	
L0001542	0	0.30640E-07	377950.7	3747241.1	19.1	0.00	1.70	0.85	YES	
L0001543	0	0.30640E-07	377954.4	3747241.1	19.1	0.00	1.70	0.85	YES	
L0001544	0	0.30640E-07	377958.0	3747241.1	19.2	0.00	1.70	0.85	YES	
L0001545	0	0.30640E-07	377961.7	3747241.2	19.2	0.00	1.70	0.85	YES	
L0001546	0	0.30640E-07	377965.3	3747241.2	19.2	0.00	1.70	0.85	YES	
L0001547	0	0.30640E-07	377969.0	3747241.2	19.2	0.00	1.70	0.85	YES	
L0001548	0	0.30640E-07	377972.6	3747241.2	19.2	0.00	1.70	0.85	YES	
L0001549	0	0.30640E-07	377976.3	3747241.2	19.2	0.00	1.70	0.85	YES	
L0001550	0	0.30640E-07	377980.0	3747241.2	19.2	0.00	1.70	0.85	YES	
L0001551	0	0.30640E-07	377983.6	3747241.2	19.2	0.00	1.70	0.85	YES	
L0001552	0	0.30640E-07	377987.3	3747241.2	19.2	0.00	1.70	0.85	YES	
L0001553	0	0.30640E-07	377990.9	3747241.3	19.2	0.00	1.70	0.85	YES	
L0001554	0	0.30640E-07	377994.6	3747241.3	19.2	0.00	1.70	0.85	YES	
L0001555	0	0.30640E-07	377998.2	3747241.3	19.2	0.00	1.70	0.85	YES	
L0001556	0	0.30640E-07	378001.9	3747241.3	19.2	0.00	1.70	0.85	YES	
L0001557	0	0.30640E-07	378005.6	3747241.3	19.2	0.00	1.70	0.85	YES	
L0001558	0	0.30640E-07	378009.2	3747241.3	19.3	0.00	1.70	0.85	YES	
L0001559	0	0.30640E-07	378012.9	3747241.3	19.3	0.00	1.70	0.85	YES	
L0001560	0	0.30640E-07	378016.5	3747241.4	19.3	0.00	1.70	0.85	YES	
L0001561	0	0.30640E-07	378020.2	3747241.4	19.3	0.00	1.70	0.85	YES	
L0001562	0	0.30640E-07	378023.8	3747241.4	19.3	0.00	1.70	0.85	YES	
L0001563	0	0.30640E-07	378027.5	3747241.4	19.3	0.00	1.70	0.85	YES	
L0001564	0	0.30640E-07	378031.2	3747241.4	19.4	0.00	1.70	0.85	YES	
L0001565	0	0.30640E-07	378034.8	3747241.4	19.4	0.00	1.70	0.85	YES	
L0001566	0	0.30640E-07	378038.5	3747241.4	19.4	0.00	1.70	0.85	YES	
L0001567	0	0.30640E-07	378042.1	3747241.5	19.4	0.00	1.70	0.85	YES	
L0001568	0	0.30640E-07	378045.8	3747241.5	19.5	0.00	1.70	0.85	YES	

L0001569 0 0.30640E-07 378049.5 3747241.5 19.5 0.00 1.70 0.85 YES

\*\*\* AERMOD - VERSION 19191 \*\*\* 190th St Warehouse 2023-2024  
\*\*\* AERMET - VERSION 16216 \*\*\* DPM concentrations 2YR Exposure

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

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001570	0	0.30640E-07	378053.1	3747241.5	19.6	0.00	1.70	0.85	YES	
L0001571	0	0.30640E-07	378056.8	3747241.5	19.6	0.00	1.70	0.85	YES	
L0001572	0	0.30640E-07	378060.4	3747241.5	19.7	0.00	1.70	0.85	YES	
L0001573	0	0.30640E-07	378064.1	3747241.5	19.7	0.00	1.70	0.85	YES	
L0001574	0	0.30640E-07	378067.7	3747241.5	19.7	0.00	1.70	0.85	YES	
L0001575	0	0.30640E-07	378071.4	3747241.6	19.7	0.00	1.70	0.85	YES	
L0001576	0	0.30640E-07	378075.1	3747241.6	19.7	0.00	1.70	0.85	YES	
L0001577	0	0.30640E-07	378078.7	3747241.6	19.7	0.00	1.70	0.85	YES	
L0001578	0	0.30640E-07	378082.4	3747241.6	19.7	0.00	1.70	0.85	YES	
L0001579	0	0.30640E-07	378086.0	3747241.6	19.7	0.00	1.70	0.85	YES	
L0001580	0	0.30640E-07	378089.7	3747241.6	19.7	0.00	1.70	0.85	YES	
L0001581	0	0.30640E-07	378093.3	3747241.6	19.8	0.00	1.70	0.85	YES	
L0001582	0	0.30640E-07	378097.0	3747241.7	19.8	0.00	1.70	0.85	YES	
L0001583	0	0.30640E-07	378100.7	3747241.7	19.8	0.00	1.70	0.85	YES	
L0001584	0	0.30640E-07	378104.3	3747241.7	19.8	0.00	1.70	0.85	YES	
L0001585	0	0.30640E-07	378108.0	3747241.7	19.9	0.00	1.70	0.85	YES	
L0001586	0	0.30640E-07	378111.6	3747241.7	19.9	0.00	1.70	0.85	YES	
L0001587	0	0.30640E-07	378115.3	3747241.7	19.9	0.00	1.70	0.85	YES	
L0001588	0	0.30640E-07	378118.9	3747241.7	19.9	0.00	1.70	0.85	YES	
L0001589	0	0.30640E-07	378122.6	3747241.8	19.9	0.00	1.70	0.85	YES	
L0001590	0	0.30640E-07	378126.3	3747241.8	19.9	0.00	1.70	0.85	YES	
L0001591	0	0.30640E-07	378129.9	3747241.8	19.9	0.00	1.70	0.85	YES	
L0001592	0	0.30640E-07	378133.6	3747241.8	19.9	0.00	1.70	0.85	YES	
L0001593	0	0.30640E-07	378137.2	3747241.8	19.9	0.00	1.70	0.85	YES	
L0001594	0	0.30640E-07	378140.9	3747241.8	19.9	0.00	1.70	0.85	YES	
L0001595	0	0.30640E-07	378144.5	3747241.8	19.9	0.00	1.70	0.85	YES	
L0001596	0	0.30640E-07	378148.2	3747241.8	19.9	0.00	1.70	0.85	YES	
L0001597	0	0.30640E-07	378151.9	3747241.9	19.9	0.00	1.70	0.85	YES	
L0001598	0	0.30640E-07	378155.5	3747241.9	19.9	0.00	1.70	0.85	YES	
L0001599	0	0.30640E-07	378159.2	3747241.9	19.9	0.00	1.70	0.85	YES	
L0001600	0	0.30640E-07	378162.8	3747241.9	19.9	0.00	1.70	0.85	YES	
L0001601	0	0.30640E-07	378166.5	3747241.9	19.9	0.00	1.70	0.85	YES	
L0001602	0	0.30640E-07	378170.2	3747241.9	19.8	0.00	1.70	0.85	YES	
L0001603	0	0.30640E-07	378173.8	3747241.9	19.8	0.00	1.70	0.85	YES	
L0001604	0	0.30640E-07	378177.5	3747242.0	19.8	0.00	1.70	0.85	YES	
L0001605	0	0.30640E-07	378181.1	3747242.0	19.7	0.00	1.70	0.85	YES	

L0001606	0	0.30640E-07	378184.8	3747242.0	19.7	0.00	1.70	0.85	YES
L0001607	0	0.30640E-07	378188.4	3747242.0	19.7	0.00	1.70	0.85	YES
L0001608	0	0.30640E-07	378192.1	3747242.0	19.6	0.00	1.70	0.85	YES
L0001609	0	0.30640E-07	378195.8	3747242.0	19.7	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024      \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure      \*\*\*  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001610	0	0.30640E-07	378199.4	3747242.0	19.7	0.00	1.70	0.85	YES	
L0001611	0	0.30640E-07	378203.1	3747242.1	19.7	0.00	1.70	0.85	YES	
L0001612	0	0.30640E-07	378206.7	3747242.1	19.7	0.00	1.70	0.85	YES	
L0001613	0	0.30640E-07	378210.4	3747242.1	19.7	0.00	1.70	0.85	YES	
L0001614	0	0.30640E-07	378214.0	3747242.1	19.7	0.00	1.70	0.85	YES	
L0001615	0	0.30640E-07	378217.7	3747242.1	19.7	0.00	1.70	0.85	YES	
L0001616	0	0.30640E-07	378221.4	3747242.1	19.7	0.00	1.70	0.85	YES	
L0001617	0	0.30640E-07	378225.0	3747242.1	19.7	0.00	1.70	0.85	YES	
L0001618	0	0.30640E-07	378228.7	3747242.1	19.7	0.00	1.70	0.85	YES	
L0001619	0	0.30640E-07	378232.3	3747242.2	19.7	0.00	1.70	0.85	YES	
L0001620	0	0.30640E-07	378236.0	3747242.2	19.7	0.00	1.70	0.85	YES	
L0001621	0	0.30640E-07	378239.6	3747242.2	19.7	0.00	1.70	0.85	YES	
L0001622	0	0.30640E-07	378243.3	3747242.2	19.6	0.00	1.70	0.85	YES	
L0001623	0	0.30640E-07	378247.0	3747242.2	19.6	0.00	1.70	0.85	YES	
L0001624	0	0.30640E-07	378250.6	3747242.2	19.5	0.00	1.70	0.85	YES	
L0001625	0	0.30640E-07	378254.3	3747242.2	19.5	0.00	1.70	0.85	YES	
L0001626	0	0.30640E-07	378257.9	3747242.3	19.4	0.00	1.70	0.85	YES	
L0001627	0	0.30640E-07	378261.6	3747242.3	19.4	0.00	1.70	0.85	YES	
L0001628	0	0.30640E-07	378265.2	3747242.3	19.4	0.00	1.70	0.85	YES	
L0001629	0	0.30640E-07	378268.9	3747242.3	19.3	0.00	1.70	0.85	YES	
L0001630	0	0.30640E-07	378272.6	3747242.3	19.3	0.00	1.70	0.85	YES	
L0001631	0	0.30640E-07	378276.2	3747242.3	19.4	0.00	1.70	0.85	YES	
L0001632	0	0.30640E-07	378279.9	3747242.3	19.4	0.00	1.70	0.85	YES	
L0001633	0	0.30640E-07	378283.5	3747242.4	19.4	0.00	1.70	0.85	YES	
L0001634	0	0.30640E-07	378287.2	3747242.4	19.4	0.00	1.70	0.85	YES	
L0001635	0	0.30640E-07	378290.9	3747242.4	19.4	0.00	1.70	0.85	YES	
L0001636	0	0.30640E-07	378294.5	3747242.4	19.4	0.00	1.70	0.85	YES	
L0001637	0	0.30640E-07	378298.2	3747242.4	19.4	0.00	1.70	0.85	YES	
L0001638	0	0.30640E-07	378301.8	3747242.4	19.4	0.00	1.70	0.85	YES	
L0001639	0	0.30640E-07	378305.5	3747242.4	19.4	0.00	1.70	0.85	YES	
L0001640	0	0.30640E-07	378309.1	3747242.5	19.4	0.00	1.70	0.85	YES	
L0001641	0	0.30640E-07	378312.8	3747242.5	19.4	0.00	1.70	0.85	YES	
L0001642	0	0.30640E-07	378316.5	3747242.5	19.4	0.00	1.70	0.85	YES	

L0001643	0	0.30640E-07	378320.1	3747242.5	19.4	0.00	1.70	0.85	YES
L0001644	0	0.30640E-07	378323.8	3747242.5	19.4	0.00	1.70	0.85	YES
L0001645	0	0.30640E-07	378327.4	3747242.5	19.4	0.00	1.70	0.85	YES
L0001646	0	0.30640E-07	378331.1	3747242.5	19.3	0.00	1.70	0.85	YES
L0001647	0	0.30640E-07	378334.7	3747242.5	19.3	0.00	1.70	0.85	YES
L0001648	0	0.30640E-07	378338.4	3747242.6	19.3	0.00	1.70	0.85	YES
L0001649	0	0.30640E-07	378342.1	3747242.6	19.2	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure

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

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X Y		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
			(METERS)	(METERS)						
L0001650	0	0.30640E-07	378345.7	3747242.6	19.2	0.00	1.70	0.85	YES	
L0001651	0	0.30640E-07	378349.4	3747242.6	19.2	0.00	1.70	0.85	YES	
L0001652	0	0.30640E-07	378353.0	3747242.6	19.2	0.00	1.70	0.85	YES	
L0001653	0	0.30640E-07	378356.7	3747242.6	19.2	0.00	1.70	0.85	YES	
L0001654	0	0.30640E-07	378360.3	3747242.6	19.2	0.00	1.70	0.85	YES	
L0001655	0	0.30640E-07	378364.0	3747242.7	19.2	0.00	1.70	0.85	YES	
L0001656	0	0.30640E-07	378367.7	3747242.7	19.2	0.00	1.70	0.85	YES	
L0001657	0	0.30640E-07	378371.3	3747242.7	19.2	0.00	1.70	0.85	YES	
L0001658	0	0.30640E-07	378375.0	3747242.7	19.2	0.00	1.70	0.85	YES	
L0001659	0	0.30640E-07	378378.6	3747242.7	19.2	0.00	1.70	0.85	YES	
L0001660	0	0.30640E-07	378382.3	3747242.7	19.2	0.00	1.70	0.85	YES	
L0001661	0	0.30640E-07	378385.9	3747242.7	19.2	0.00	1.70	0.85	YES	
L0001662	0	0.30640E-07	378389.6	3747242.8	19.2	0.00	1.70	0.85	YES	
L0001663	0	0.30640E-07	378393.3	3747242.8	19.2	0.00	1.70	0.85	YES	
L0001664	0	0.30640E-07	378396.9	3747242.8	19.2	0.00	1.70	0.85	YES	
L0001665	0	0.30640E-07	378400.6	3747242.8	19.2	0.00	1.70	0.85	YES	
L0001666	0	0.30640E-07	378404.2	3747242.8	19.1	0.00	1.70	0.85	YES	
L0001667	0	0.30640E-07	378407.9	3747242.8	19.1	0.00	1.70	0.85	YES	
L0001668	0	0.30640E-07	378411.6	3747242.8	19.1	0.00	1.70	0.85	YES	
L0001669	0	0.30640E-07	378415.2	3747242.8	19.0	0.00	1.70	0.85	YES	
L0001670	0	0.30640E-07	378418.9	3747242.9	19.0	0.00	1.70	0.85	YES	
L0001671	0	0.30640E-07	378422.5	3747242.9	19.0	0.00	1.70	0.85	YES	
L0001672	0	0.30640E-07	378426.2	3747242.9	19.0	0.00	1.70	0.85	YES	
L0001673	0	0.30640E-07	378429.8	3747242.9	19.0	0.00	1.70	0.85	YES	
L0001674	0	0.30640E-07	378433.5	3747242.9	19.1	0.00	1.70	0.85	YES	
L0001675	0	0.30640E-07	378437.2	3747242.9	19.1	0.00	1.70	0.85	YES	
L0001676	0	0.30640E-07	378440.8	3747242.9	19.1	0.00	1.70	0.85	YES	
L0001677	0	0.30640E-07	378444.5	3747243.0	19.2	0.00	1.70	0.85	YES	
L0001678	0	0.30640E-07	378448.1	3747243.0	19.2	0.00	1.70	0.85	YES	
L0001679	0	0.30640E-07	378451.8	3747243.0	19.2	0.00	1.70	0.85	YES	





L0001717	0	0.30640E-07	378590.8	3747243.5	18.6	0.00	1.70	0.85	YES
L0001718	0	0.30640E-07	378594.4	3747243.5	18.7	0.00	1.70	0.85	YES
L0001719	0	0.30640E-07	378598.1	3747243.5	18.7	0.00	1.70	0.85	YES
L0001720	0	0.30640E-07	378601.7	3747243.5	18.7	0.00	1.70	0.85	YES
L0001721	0	0.30640E-07	378605.4	3747243.6	18.7	0.00	1.70	0.85	YES
L0001722	0	0.30640E-07	378609.1	3747243.6	18.7	0.00	1.70	0.85	YES
L0001723	0	0.30640E-07	378612.7	3747243.6	18.7	0.00	1.70	0.85	YES
L0001724	0	0.30640E-07	378616.4	3747243.6	18.7	0.00	1.70	0.85	YES
L0001725	0	0.30640E-07	378620.0	3747243.6	18.7	0.00	1.70	0.85	YES
L0001726	0	0.30640E-07	378623.7	3747243.6	18.7	0.00	1.70	0.85	YES
L0001727	0	0.30640E-07	378627.3	3747243.6	18.7	0.00	1.70	0.85	YES
L0001728	0	0.30640E-07	378631.0	3747243.7	18.7	0.00	1.70	0.85	YES
L0001729	0	0.30640E-07	378634.7	3747243.7	18.7	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure      \*\*\*      06:41:20  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001730	0	0.30640E-07	378638.3	3747243.7	18.6	0.00	1.70	0.85	YES	
L0001731	0	0.30640E-07	378642.0	3747243.7	18.6	0.00	1.70	0.85	YES	
L0001732	0	0.30640E-07	378645.6	3747243.7	18.6	0.00	1.70	0.85	YES	
L0001733	0	0.30640E-07	378649.3	3747243.7	18.6	0.00	1.70	0.85	YES	
L0001734	0	0.30640E-07	378653.0	3747243.7	18.5	0.00	1.70	0.85	YES	
L0001735	0	0.30640E-07	378656.6	3747243.8	18.5	0.00	1.70	0.85	YES	
L0001736	0	0.30640E-07	378660.3	3747243.8	18.5	0.00	1.70	0.85	YES	
L0001737	0	0.30640E-07	378663.9	3747243.8	18.4	0.00	1.70	0.85	YES	
L0001738	0	0.30640E-07	378667.6	3747243.8	18.4	0.00	1.70	0.85	YES	
L0001739	0	0.30640E-07	378671.2	3747243.8	18.4	0.00	1.70	0.85	YES	
L0001740	0	0.30640E-07	378674.9	3747243.8	18.4	0.00	1.70	0.85	YES	
L0001741	0	0.30640E-07	378678.6	3747243.8	18.3	0.00	1.70	0.85	YES	
L0001742	0	0.30640E-07	378682.2	3747243.8	18.3	0.00	1.70	0.85	YES	
L0001743	0	0.30640E-07	378685.9	3747243.9	18.3	0.00	1.70	0.85	YES	
L0001744	0	0.30640E-07	378689.5	3747243.9	18.4	0.00	1.70	0.85	YES	
L0001745	0	0.30640E-07	378693.2	3747243.9	18.4	0.00	1.70	0.85	YES	
L0001746	0	0.30640E-07	378696.8	3747243.9	18.4	0.00	1.70	0.85	YES	
L0001747	0	0.30640E-07	378700.5	3747243.9	18.4	0.00	1.70	0.85	YES	

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure      \*\*\*      06:41:20  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SRCGROUP ID	SOURCE IDs								
-----	-----								
ALL	STCK1	, STCK2	, STCK3	, STCK4	, STCK5	, STCK6	, L0001010	, L0001011	,
	L0001012	, L0001013	, L0001014	, L0001015	, L0001016	, L0001017	, L0001018	, L0001019	,
	L0001020	, L0001021	, L0001022	, L0001023	, L0001024	, L0001025	, L0001026	, L0001027	,
	L0001028	, L0001029	, L0001030	, L0001031	, L0001032	, L0001033	, L0001034	, L0001035	,
	L0001036	, L0001037	, L0001038	, L0001039	, L0001040	, L0001041	, L0001042	, L0001043	,
	L0001044	, L0001045	, L0001046	, L0001047	, L0001048	, L0001049	, L0001050	, L0001051	,
	L0001052	, L0001053	, L0001054	, L0001055	, L0001056	, L0001057	, L0001058	, L0001059	,
	L0001060	, L0001061	, L0001062	, L0001063	, L0001064	, L0001065	, L0001066	, L0001067	,
	L0001068	, L0001069	, L0001070	, L0001071	, L0001072	, L0001073	, L0001074	, L0001075	,
	L0001076	, L0001077	, L0001078	, L0001079	, L0001080	, L0001081	, L0001082	, L0001083	,
	L0001084	, L0001085	, L0001086	, L0001087	, L0001088	, L0001089	, L0001090	, L0001091	,
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	L0001116	, L0001117	, L0001118	, L0001119	, L0001120	, L0001121	, L0001122	, L0001123	,
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	L0001140	, L0001141	, L0001142	, L0001143	, L0001144	, L0001145	, L0001146	, L0001147	,
	L0001148	, L0001149	, L0001150	, L0001151	, L0001152	, L0001153	, L0001154	, L0001155	,
	L0001156	, L0001157	, L0001158	, L0001159	, L0001160	, L0001161	, L0001162	, L0001163	,
*** AERMOD - VERSION	19191	***	*** 190th St Warehouse 2023-2024				***	05/15/20	
*** AERMET - VERSION	16216	***	*** DPM concentrations 2YR Exposure				***	06:41:20	
*** MODELOPTs:	RegDFAULT	CONC	ELEV	URBAN	ADJ_U*			PAGE	23

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

SRCGROUP ID

SOURCE IDs

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L0001164 , L0001165 , L0001166 , L0001167 , L0001168 , L0001169 , L0001170 , L0001171 ,  
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\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2023-2024  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations 2YR Exposure

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

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

SRCGROUP ID	SOURCE IDs														
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L0001324	,	L0001325	,	L0001326	,	L0001327	,	L0001328	,	L0001329	,	L0001330	,	L0001331	,
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L0001340	,	L0001341	,	L0001342	,	L0001343	,	L0001344	,	L0001345	,	L0001346	,	L0001347	,
L0001348	,	L0001349	,	L0001350	,	L0001351	,	L0001352	,	L0001353	,	L0001354	,	L0001355	,
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L0001364	,	L0001365	,	L0001366	,	L0001367	,	L0001368	,	L0001369	,	L0001370	,	L0001371	,
L0001372	,	L0001373	,	L0001374	,	L0001375	,	L0001376	,	L0001377	,	L0001378	,	L0001379	,
L0001380	,	L0001381	,	L0001382	,	L0001383	,	L0001384	,	L0001385	,	L0001386	,	L0001387	,
L0001388	,	L0001389	,	L0001390	,	L0001391	,	L0001392	,	L0001393	,	L0001394	,	L0001395	,
L0001396	,	L0001397	,	L0001398	,	L0001399	,	L0001400	,	L0001401	,	L0001402	,	L0001403	,
L0001404	,	L0001405	,	L0001406	,	L0001407	,	L0001408	,	L0001409	,	L0001410	,	L0001411	,
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L0001420	,	L0001421	,	L0001422	,	L0001423	,	L0001424	,	L0001425	,	L0001426	,	L0001427	,
L0001428	,	L0001429	,	L0001430	,	L0001431	,	L0001432	,	L0001433	,	L0001434	,	L0001435	,
L0001436	,	L0001437	,	L0001438	,	L0001439	,	L0001440	,	L0001441	,	L0001442	,	L0001443	,
L0001444	,	L0001445	,	L0001446	,	L0001447	,	L0001448	,	L0001449	,	L0001450	,	L0001451	,
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L0001468	,	L0001469	,	L0001470	,	L0001471	,	L0001472	,	L0001473	,	L0001474	,	L0001475	,
L0001476	,	L0001477	,	L0001478	,	L0001479	,	L0001480	,	L0001481	,	L0001482	,	L0001483	,

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024      \*\*\*      05/15/20  
\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure      \*\*\*      06:41:20

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

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

SRCGROUP ID	SOURCE IDs							
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L0001484	, L0001485	, L0001486	, L0001487	, L0001488	, L0001489	, L0001490	, L0001491	,
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L0001500	, L0001501	, L0001502	, L0001503	, L0001504	, L0001505	, L0001506	, L0001507	,
L0001508	, L0001509	, L0001510	, L0001511	, L0001512	, L0001513	, L0001514	, L0001515	,
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L0001556	, L0001557	, L0001558	, L0001559	, L0001560	, L0001561	, L0001562	, L0001563	,
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\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2023-2024

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\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations 2YR Exposure

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

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

SRCGROUP ID

SOURCE IDs

L0001644	,	L0001645	,	L0001646	,	L0001647	,	L0001648	,	L0001649	,	L0001650	,	L0001651	,
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\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2023-2024  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations 2YR Exposure

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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

L0001011	,	9818605.	STCK1	,	STCK2	,	STCK3	,	STCK4	,	STCK5	,	STCK6	,	L0001010	,
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\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2023-2024  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations 2YR Exposure

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

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

URBAN ID	URBAN POP	SOURCE IDs
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L0001324 , L0001325 , L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 ,  
L0001332 , L0001333 , L0001334 , L0001335 , L0001336 , L0001337 , L0001338 , L0001339 ,  
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\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2023-2024  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations 2YR Exposure  
\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

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

L0001484 , L0001485 , L0001486 , L0001487 , L0001488 , L0001489 , L0001490 , L0001491 ,  
L0001492 , L0001493 , L0001494 , L0001495 , L0001496 , L0001497 , L0001498 , L0001499 ,  
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\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2023-2024  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations 2YR Exposure

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

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

URBAN ID URBAN POP

SOURCE IDs

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L0001644 , L0001645 , L0001646 , L0001647 , L0001648 , L0001649 , L0001650 , L0001651 ,
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*** AERMOD - VERSION 19191 *** *** 190th St Warehouse 2023-2024
*** AERMET - VERSION 16216 *** *** DPM concentrations 2YR Exposure

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-115.4,	-95.0,	2	11.0,	270.4,	176.8,	-116.8,	-100.6,
3	11.0,	268.6,	205.8,	-114.6,	-103.1,	4	11.0,	258.7,	231.8,	-109.0,	-102.5,
5	11.0,	240.8,	250.8,	-100.0,	-98.8,	6	11.0,	215.7,	262.1,	-88.0,	-92.1,
7	11.0,	184.0,	265.5,	-73.4,	-82.6,	8	11.0,	146.7,	260.9,	-56.5,	-70.5,
9	11.0,	107.2,	249.6,	-38.2,	-56.8,	10	11.0,	144.2,	264.0,	-37.0,	-43.3,
11	11.0,	176.8,	270.4,	-34.6,	-28.4,	12	11.0,	205.8,	268.6,	-31.2,	-11.7,
13	11.0,	231.8,	258.7,	-26.8,	6.9,	14	11.0,	250.8,	240.8,	-21.6,	25.4,
15	11.0,	262.1,	215.7,	-15.8,	43.0,	16	11.0,	265.5,	184.0,	-9.4,	59.4,
17	11.0,	260.9,	146.7,	-2.8,	73.9,	18	11.0,	249.6,	107.2,	3.2,	86.6,
19	11.0,	264.0,	144.2,	-28.9,	95.0,	20	11.0,	270.4,	176.8,	-60.0,	100.6,
21	11.0,	268.6,	205.8,	-91.1,	103.1,	22	11.0,	258.7,	231.8,	-122.8,	102.5,
23	11.0,	240.8,	250.8,	-150.7,	98.8,	24	11.0,	215.7,	262.1,	-174.1,	92.1,

25	11.0,	184.0,	265.5,	-192.2,	82.6,	26	11.0,	146.7,	260.9,	-204.4,	70.5,
27	11.0,	107.2,	249.6,	-211.4,	56.8,	28	11.0,	144.2,	264.0,	-227.1,	43.3,
29	11.0,	176.8,	270.4,	-235.8,	28.4,	30	11.0,	205.8,	268.6,	-237.5,	11.7,
31	11.0,	231.8,	258.7,	-231.9,	-6.9,	32	11.0,	250.8,	240.8,	-219.2,	-25.4,
33	11.0,	262.1,	215.7,	-199.9,	-43.0,	34	11.0,	265.5,	184.0,	-174.6,	-59.4,
35	11.0,	260.9,	146.7,	-143.9,	-73.9,	36	11.0,	249.6,	107.2,	-110.5,	-86.6,

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-121.7,	-64.8,	2	11.0,	270.4,	176.8,	-128.2,	-72.0,
3	11.0,	268.6,	205.8,	-130.9,	-76.9,	4	11.0,	258.7,	231.8,	-129.6,	-79.5,
5	11.0,	240.8,	250.8,	-124.3,	-79.7,	6	11.0,	215.7,	262.1,	-115.3,	-77.5,
7	11.0,	184.0,	265.5,	-102.7,	-72.9,	8	11.0,	146.7,	260.9,	-87.1,	-66.1,
9	11.0,	107.2,	249.6,	-69.1,	-57.8,	10	11.0,	144.2,	264.0,	-67.2,	-49.6,
11	11.0,	176.8,	270.4,	-63.3,	-39.8,	12	11.0,	205.8,	268.6,	-57.4,	-28.0,
13	11.0,	231.8,	258.7,	-49.8,	-13.7,	14	11.0,	250.8,	240.8,	-40.7,	1.1,
15	11.0,	262.1,	215.7,	-30.4,	15.8,	16	11.0,	265.5,	184.0,	-19.1,	30.0,
17	11.0,	260.9,	146.7,	-7.2,	43.4,	18	11.0,	249.6,	107.2,	4.2,	55.7,
19	11.0,	264.0,	144.2,	-22.5,	64.8,	20	11.0,	270.4,	176.8,	-48.6,	72.0,
21	11.0,	268.6,	205.8,	-74.9,	76.9,	22	11.0,	258.7,	231.8,	-102.2,	79.5,
23	11.0,	240.8,	250.8,	-126.5,	79.7,	24	11.0,	215.7,	262.1,	-146.9,	77.5,
25	11.0,	184.0,	265.5,	-162.8,	72.9,	26	11.0,	146.7,	260.9,	-173.8,	66.1,
27	11.0,	107.2,	249.6,	-180.5,	57.8,	28	11.0,	144.2,	264.0,	-196.8,	49.6,
29	11.0,	176.8,	270.4,	-207.2,	39.8,	30	11.0,	205.8,	268.6,	-211.2,	28.0,
31	11.0,	231.8,	258.7,	-208.8,	13.7,	32	11.0,	250.8,	240.8,	-200.1,	-1.1,
33	11.0,	262.1,	215.7,	-185.3,	-15.8,	34	11.0,	265.5,	184.0,	-164.9,	-30.0,
35	11.0,	260.9,	146.7,	-139.5,	-43.4,	36	11.0,	249.6,	107.2,	-111.4,	-55.7,

SOURCE ID: STCK3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-126.6,	-38.6,	2	11.0,	270.4,	176.8,	-137.7,	-47.0,
3	11.0,	268.6,	205.8,	-144.5,	-54.0,	4	11.0,	258.7,	231.8,	-146.9,	-59.3,
5	11.0,	240.8,	250.8,	-144.9,	-62.8,	6	11.0,	215.7,	262.1,	-138.5,	-64.5,
7	11.0,	184.0,	265.5,	-127.9,	-64.1,	8	11.0,	146.7,	260.9,	-113.4,	-61.8,
9	11.0,	107.2,	249.6,	-95.7,	-58.1,	10	11.0,	144.2,	264.0,	-93.4,	-54.5,
11	11.0,	176.8,	270.4,	-88.2,	-49.2,	12	11.0,	205.8,	268.6,	-80.3,	-41.6,
13	11.0,	231.8,	258.7,	-70.0,	-31.1,	14	11.0,	250.8,	240.8,	-57.6,	-19.6,
15	11.0,	262.1,	215.7,	-43.4,	-7.4,	16	11.0,	265.5,	184.0,	-27.9,	4.9,
17	11.0,	260.9,	146.7,	-11.5,	17.1,	18	11.0,	249.6,	107.2,	4.5,	29.1,
19	11.0,	264.0,	144.2,	-17.6,	38.6,	20	11.0,	270.4,	176.8,	-39.1,	47.0,
21	11.0,	268.6,	205.8,	-61.3,	54.0,	22	11.0,	258.7,	231.8,	-84.8,	59.3,
23	11.0,	240.8,	250.8,	-105.8,	62.8,	24	11.0,	215.7,	262.1,	-123.6,	64.5,
25	11.0,	184.0,	265.5,	-137.7,	64.1,	26	11.0,	146.7,	260.9,	-147.5,	61.8,
27	11.0,	107.2,	249.6,	-153.8,	58.1,	28	11.0,	144.2,	264.0,	-170.6,	54.5,
29	11.0,	176.8,	270.4,	-182.2,	49.2,	30	11.0,	205.8,	268.6,	-188.3,	41.6,
31	11.0,	231.8,	258.7,	-188.6,	31.1,	32	11.0,	250.8,	240.8,	-183.2,	19.6,
33	11.0,	262.1,	215.7,	-172.3,	7.4,	34	11.0,	265.5,	184.0,	-156.1,	-4.9,
35	11.0,	260.9,	146.7,	-135.2,	-17.1,	36	11.0,	249.6,	107.2,	-111.8,	-29.1,





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

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	376998.97	377086.27	377173.57	377260.87	377348.17	377435.47	377522.77	377610.07	377697.37
3748114.24	18.30	18.50	19.10	19.90	20.30	20.10	19.80	19.60	19.40
3748057.86	25.50	18.60	18.90	19.10	19.50	19.60	19.70	19.70	19.60
3748001.48	19.20	25.90	25.00	19.80	20.00	20.80	20.10	19.90	20.10
3747945.10	18.10	19.60	25.20	26.60	23.40	22.60	20.00	20.10	20.10
3747888.72	18.30	18.60	21.80	20.80	23.70	25.60	21.70	19.80	19.80
3747832.34	18.40	18.70	20.00	20.80	20.80	20.60	23.60	23.50	19.90
3747775.96	18.40	18.70	19.50	21.00	20.70	19.90	19.90	19.80	22.80
3747719.58	18.60	19.10	19.80	20.70	20.80	20.50	20.30	19.90	19.20
3747663.20	18.50	18.80	19.20	20.20	20.50	20.70	19.80	19.70	19.20
3747606.82	18.50	18.70	19.10	19.40	20.00	20.40	19.70	19.60	19.30
3747550.44	18.40	18.50	18.60	18.50	19.80	20.20	19.70	19.70	19.60
3747494.06	18.40	18.40	18.30	18.20	19.90	20.20	19.60	19.80	19.80
3747437.68	18.70	18.60	18.40	18.50	19.20	19.90	19.90	20.00	19.80
3747381.30	18.90	18.50	18.20	18.60	19.00	19.60	20.40	20.20	19.60
3747324.92	19.30	18.60	18.00	18.30	18.90	19.30	20.40	19.70	19.60
3747268.54	18.90	18.50	18.00	17.80	18.50	19.30	19.60	19.50	19.20
3747212.16	19.20	19.10	18.40	18.20	19.50	20.00	20.00	19.20	18.50
3747155.78	19.50	19.50	19.60	19.70	22.00	21.80	21.10	21.90	19.80
3747099.40	18.90	18.80	19.90	20.20	21.90	21.80	21.40	21.90	21.30
3747043.02	18.60	18.40	20.30	20.10	20.70	20.70	20.90	20.80	21.30
3746986.64	19.40	18.30	20.10	19.90	13.80	13.50	20.90	20.60	20.70

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024      \*\*\*      05/15/20  
\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure      \*\*\*      06:41:20  
\*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      URBAN      ADJ\_U\*                PAGE 36

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

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	377784.67	377871.97	377959.27	378046.57	378133.87	378221.17	378308.47	378395.77	378483.07
3748114.24	19.20	19.10	18.90	18.80	18.70	18.70	18.20	17.60	17.60
3748057.86	19.60	19.50	19.40	19.20	18.90	18.60	18.30	18.00	17.80
3748001.48	19.90	19.50	19.50	19.80	19.20	18.80	18.70	18.30	18.00
3747945.10	19.60	19.20	19.40	20.10	19.10	19.00	18.90	18.50	18.10
3747888.72	19.20	19.10	19.20	20.10	19.60	19.40	19.00	18.60	18.30
3747832.34	19.10	19.00	19.60	19.90	19.90	19.30	19.30	19.20	18.90
3747775.96	22.70	19.10	19.40	19.60	20.10	19.50	19.20	18.80	18.60

3747719.58	19.90	24.00	23.10	20.00	20.10	19.50	19.30	19.00	18.60
3747663.20	19.10	19.40	22.60	25.80	21.30	19.40	19.20	18.80	18.50
3747606.82	19.60	19.30	19.50	20.30	23.70	25.00	19.90	18.80	18.80
3747550.44	19.70	19.30	19.20	19.50	19.90	19.90	24.50	22.10	18.80
3747494.06	19.50	19.30	19.10	19.50	20.00	19.20	20.00	20.60	22.40
3747437.68	19.50	18.90	18.60	19.30	19.90	20.00	20.10	20.00	20.10
3747381.30	19.40	19.00	18.80	19.10	20.10	20.10	20.10	19.70	19.90
3747324.92	19.40	19.30	19.50	19.70	20.00	20.10	19.90	19.60	19.70
3747268.54	19.10	18.90	19.60	19.70	20.00	20.10	19.80	19.40	19.60
3747212.16	18.10	18.70	19.30	19.70	20.20	20.10	19.80	19.50	19.10
3747155.78	17.40	22.30	22.60	23.40	20.30	20.40	20.40	20.90	20.10
3747099.40	17.60	20.00	20.30	23.20	20.10	20.50	20.60	20.10	20.00
3747043.02	17.70	17.40	18.60	23.30	19.60	20.00	19.80	20.30	20.40
3746986.64	17.60	16.20	19.00	22.70	19.60	19.70	20.00	19.90	20.50

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024      \*\*\*      05/15/20  
\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure      \*\*\*      06:41:20  
\*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      URBAN      ADJ\_U\*                PAGE 37

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

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)		
	378570.37	378657.67	378744.97
3748114.24	16.40	16.00	16.70
3748057.86	17.10	17.30	17.10
3748001.48	17.70	17.20	17.20
3747945.10	17.60	17.40	17.40
3747888.72	18.10	17.40	17.50
3747832.34	17.90	17.50	17.40
3747775.96	17.90	17.60	17.30
3747719.58	18.00	17.70	17.50
3747663.20	18.10	17.70	17.80
3747606.82	18.20	17.80	17.90
3747550.44	18.20	18.00	17.90
3747494.06	19.90	18.50	18.30
3747437.68	21.40	22.40	20.70
3747381.30	20.10	21.00	22.10
3747324.92	19.80	19.20	18.50
3747268.54	19.20	19.00	18.70
3747212.16	18.80	18.60	18.40
3747155.78	19.20	19.40	19.10
3747099.40	18.90	19.30	19.00
3747043.02	19.20	19.20	18.60
3746986.64	20.00	20.00	18.90

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024      \*\*\*      05/15/20



\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations 2YR Exposure

\*\*\* 06:41:20

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

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

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	376998.97	377086.27	377173.57	377260.87	377348.17	377435.47	377522.77	377610.07	377697.37
3748114.24	25.50	18.50	19.10	19.90	20.30	20.10	19.80	19.60	19.40
3748057.86	25.50	26.00	26.20	19.10	19.50	19.60	19.70	19.70	19.60
3748001.48	25.70	25.90	26.20	26.60	20.00	20.80	20.10	19.90	20.10
3747945.10	25.50	26.20	25.20	26.60	26.50	22.60	20.00	20.10	20.10
3747888.72	18.30	24.40	21.80	26.60	26.50	25.60	24.80	19.80	19.80
3747832.34	18.40	18.70	20.00	20.80	20.80	25.50	23.60	23.50	19.90
3747775.96	18.40	18.70	19.50	21.00	20.70	19.90	19.90	23.50	22.80
3747719.58	18.60	19.10	19.80	20.70	20.80	20.50	20.30	19.90	19.20
3747663.20	18.50	18.80	19.20	20.20	20.50	20.70	19.80	19.70	19.20
3747606.82	18.50	18.70	19.10	19.40	20.00	20.40	19.70	19.60	19.30
3747550.44	18.40	18.50	18.60	18.50	19.80	20.20	19.70	19.70	19.60
3747494.06	18.40	18.40	18.30	18.20	19.90	20.20	19.60	19.80	19.80
3747437.68	18.70	18.60	18.40	18.50	19.20	19.90	19.90	20.00	19.80
3747381.30	18.90	18.50	18.20	18.60	19.00	19.60	20.40	20.20	19.60
3747324.92	19.30	18.60	18.00	18.30	18.90	19.30	20.40	19.70	19.60
3747268.54	18.90	18.50	18.00	17.80	18.50	19.30	19.60	19.50	19.20
3747212.16	19.20	19.10	18.40	18.20	19.50	20.00	20.00	19.20	18.50
3747155.78	19.50	19.50	19.60	19.70	22.00	21.80	21.10	21.90	19.80
3747099.40	18.90	18.80	19.90	20.20	21.90	21.80	21.40	21.90	21.30
3747043.02	18.60	18.40	20.30	20.10	20.70	20.70	20.90	20.80	21.30
3746986.64	19.40	18.30	20.10	19.90	20.60	21.70	20.90	20.60	20.70

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2023-2024

\*\*\* 05/15/20

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations 2YR Exposure

\*\*\* 06:41:20

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

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

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	377784.67	377871.97	377959.27	378046.57	378133.87	378221.17	378308.47	378395.77	378483.07
3748114.24	19.20	19.10	18.90	18.80	18.70	18.70	18.20	17.60	17.60
3748057.86	19.60	19.50	19.40	19.20	18.90	18.60	18.30	18.00	17.80
3748001.48	19.90	19.50	19.50	19.80	19.20	18.80	18.70	18.30	18.00
3747945.10	19.60	19.20	19.40	20.10	19.10	19.00	18.90	18.50	18.10









3747043.02	0.00046	0.00060	0.00076	0.00096	0.00118	0.00136	0.00132	0.00114	0.00091
3746986.64	0.00041	0.00052	0.00065	0.00081	0.00095	0.00107	0.00109	0.00096	0.00079

\*\*\* AERMOD - VERSION 19191 \*\*\*    \*\*\* 190th St Warehouse 2023-2024    \*\*\*    05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\* DPM concentrations 2YR Exposure    \*\*\*    06:41:20  
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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):    STCK1    ,    STCK2    ,    STCK3    ,    STCK4    ,    STCK5    ,  
 STCK6    , L0001010    , L0001011    , L0001012    , L0001013    , L0001014    , L0001015    , L0001016    ,  
 L0001017    , L0001018    , L0001019    , L0001020    , L0001021    , L0001022    , L0001023    , L0001024    ,  
 L0001025    , L0001026    , L0001027    , L0001028    , L0001029    , L0001030    , L0001031    , . . .    ,

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

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

Y-COORD (METERS)	377784.67	377871.97	377959.27	X-COORD (METERS) 378046.57	378133.87	378221.17	378308.47	378395.77	378483.07
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3748114.24	0.00020	0.00018	0.00017	0.00016	0.00015	0.00014	0.00013	0.00012	0.00011
3748057.86	0.00023	0.00021	0.00019	0.00018	0.00017	0.00015	0.00014	0.00013	0.00012
3748001.48	0.00026	0.00024	0.00022	0.00020	0.00019	0.00017	0.00015	0.00014	0.00013
3747945.10	0.00031	0.00028	0.00026	0.00023	0.00021	0.00019	0.00017	0.00015	0.00014
3747888.72	0.00036	0.00033	0.00030	0.00027	0.00024	0.00021	0.00019	0.00017	0.00015
3747832.34	0.00044	0.00040	0.00035	0.00031	0.00027	0.00024	0.00021	0.00018	0.00016
3747775.96	0.00050	0.00048	0.00042	0.00036	0.00031	0.00026	0.00023	0.00020	0.00018
3747719.58	0.00066	0.00057	0.00050	0.00042	0.00035	0.00029	0.00025	0.00021	0.00019
3747663.20	0.00085	0.00073	0.00061	0.00050	0.00040	0.00032	0.00027	0.00023	0.00020
3747606.82	0.00109	0.00090	0.00071	0.00055	0.00045	0.00037	0.00029	0.00024	0.00021
3747550.44	0.00139	0.00105	0.00078	0.00059	0.00046	0.00037	0.00033	0.00027	0.00022
3747494.06	0.00160	0.00114	0.00083	0.00063	0.00049	0.00039	0.00032	0.00028	0.00025
3747437.68	0.00168	0.00119	0.00087	0.00066	0.00052	0.00042	0.00035	0.00030	0.00026
3747381.30	0.00170	0.00123	0.00092	0.00071	0.00056	0.00046	0.00039	0.00034	0.00030
3747324.92	0.00169	0.00129	0.00100	0.00080	0.00065	0.00055	0.00048	0.00043	0.00039
3747268.54	0.00182	0.00156	0.00135	0.00117	0.00104	0.00095	0.00088	0.00084	0.00081
3747212.16	0.00153	0.00134	0.00118	0.00103	0.00091	0.00082	0.00075	0.00070	0.00066
3747155.78	0.00101	0.00084	0.00072	0.00062	0.00054	0.00047	0.00041	0.00037	0.00033
3747099.40	0.00084	0.00069	0.00057	0.00048	0.00042	0.00036	0.00031	0.00028	0.00025
3747043.02	0.00073	0.00058	0.00048	0.00040	0.00034	0.00030	0.00026	0.00023	0.00021
3746986.64	0.00064	0.00050	0.00041	0.00034	0.00029	0.00025	0.00022	0.00020	0.00018

\*\*\* AERMOD - VERSION 19191 \*\*\*    \*\*\* 190th St Warehouse 2023-2024    \*\*\*    05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\* DPM concentrations 2YR Exposure    \*\*\*    06:41:20  
 PAGE 47

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

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: ALL    \*\*\*  
 INCLUDING SOURCE(S):    STCK1    ,    STCK2    ,    STCK3    ,    STCK4    ,    STCK5    ,

STCK6 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 , L0001016 ,  
 L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , L0001023 , L0001024 ,  
 L0001025 , L0001026 , L0001027 , L0001028 , L0001029 , L0001030 , L0001031 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)		
	378570.37	378657.67	378744.97
3748114.24	0.00011	0.00010	0.00009
3748057.86	0.00011	0.00011	0.00010
3748001.48	0.00012	0.00011	0.00010
3747945.10	0.00013	0.00012	0.00011
3747888.72	0.00014	0.00013	0.00012
3747832.34	0.00015	0.00013	0.00012
3747775.96	0.00016	0.00014	0.00013
3747719.58	0.00017	0.00015	0.00013
3747663.20	0.00018	0.00016	0.00014
3747606.82	0.00018	0.00016	0.00014
3747550.44	0.00019	0.00017	0.00015
3747494.06	0.00021	0.00018	0.00016
3747437.68	0.00024	0.00021	0.00017
3747381.30	0.00026	0.00023	0.00020
3747324.92	0.00035	0.00029	0.00022
3747268.54	0.00077	0.00070	0.00028
3747212.16	0.00061	0.00053	0.00025
3747155.78	0.00030	0.00025	0.00019
3747099.40	0.00022	0.00019	0.00016
3747043.02	0.00018	0.00016	0.00014
3746986.64	0.00016	0.00014	0.00012

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2023-2024      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations 2YR Exposure      \*\*\*      06:41:20  
 PAGE 48

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

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION      VALUES FOR SOURCE GROUP: ALL      \*\*\*  
 INCLUDING SOURCE(S):      STCK1      ,      STCK2      ,      STCK3      ,      STCK4      ,      STCK5      ,  
 STCK6      ,      L0001010      ,      L0001011      ,      L0001012      ,      L0001013      ,      L0001014      ,      L0001015      ,      L0001016      ,  
 L0001017      ,      L0001018      ,      L0001019      ,      L0001020      ,      L0001021      ,      L0001022      ,      L0001023      ,      L0001024      ,  
 L0001025      ,      L0001026      ,      L0001027      ,      L0001028      ,      L0001029      ,      L0001030      ,      L0001031      ,      . . .      ,

\*\*\* 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	
377146.65	3747291.37	0.00139	377230.47	3747442.55	0.00198	
377253.39	3747498.09	0.00202	377259.26	3747543.71	0.00182	
377259.26	3747621.90	0.00146	377260.56	3747704.66	0.00117	
378132.19	3747267.37	0.00106	378294.52	3747265.66	0.00096	

\*\*\* AERMOD - VERSION 19191 \*\*\*    \*\*\* 190th St Warehouse 2023-2024    \*\*\*    05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\* DPM concentrations 2YR Exposure    \*\*\*    06:41:20  
 PAGE 49

\*\*\* MODELOPTs:    RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* 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	0.00572 AT (	377522.77, 3747437.68,	19.90,	19.90,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00561 AT (	377610.07, 3747437.68,	20.00,	20.00,	0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.00543 AT (	377610.07, 3747381.30,	20.20,	20.20,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00533 AT (	377435.47, 3747437.68,	19.90,	19.90,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00496 AT (	377435.47, 3747381.30,	19.60,	19.60,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00482 AT (	377348.17, 3747437.68,	19.20,	19.20,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00453 AT (	377522.77, 3747381.30,	20.40,	20.40,	0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00420 AT (	377435.47, 3747324.92,	19.30,	19.30,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00397 AT (	377610.07, 3747268.54,	19.50,	19.50,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00381 AT (	377610.07, 3747324.92,	19.70,	19.70,	0.00)	GC	UCART1

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

\*\*\* AERMOD - VERSION 19191 \*\*\*    \*\*\* 190th St Warehouse 2023-2024    \*\*\*    05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\* DPM concentrations 2YR Exposure    \*\*\*    06:41:20  
 PAGE 50

\*\*\* 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          8 Warning Message(s)
A Total of         1474 Informational Message(s)

A Total of         43848 Hours Were Processed

A Total of          1223 Calm Hours Identified

A Total of          251 Missing Hours Identified ( 0.57 Percent)

```

```

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

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```

***** WARNING MESSAGES *****
SO W320      872      PPARAM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      873      PPARAM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      874      PPARAM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      875      PPARAM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      876      PPARAM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      877      PPARAM: Input Parameter May Be Out-of-Range for Parameter      VS
ME W186     1862      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used      0.50
ME W187     1862      MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

```

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

```

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 5/15/2020
** File: C:\Lakes\AERMOD View\190th Street Warehouse 2025-39\190th Street Warehouse 2025-39.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
TITLEONE 190th St Warehouse 2025-2039
TITLETWO DPM concentrations first 14YR Exposure
MODELOPT DFAULT CONC
AVERTIME PERIOD
URBANOPT 9818605 Los_Angeles_County_Population
POLLUTID DPM
RUNORNOT RUN
ERRORFIL "190th Street Warehouse 2025-39.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION STCK1 POINT 377375.140 3747396.430 19.240
** DESCRSRC Idling location
LOCATION STCK2 POINT 377406.010 3747397.404 19.450
** DESCRSRC Idling location
LOCATION STCK3 POINT 377432.659 3747397.729 19.590
** DESCRSRC Idling location
LOCATION STCK4 POINT 377463.533 3747397.729 19.800
** DESCRSRC Idling location
LOCATION STCK5 POINT 377492.132 3747397.729 20.080
** DESCRSRC Idling location
LOCATION STCK6 POINT 377521.381 3747398.054 20.590
** DESCRSRC Idling location
** -----
** Line Source Represented by Adjacent Volume Sources

```

```

** LINE VOLUME Source ID = SLINE1
** DESCRSRC Onsite travel to driveway 3
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 2.68E-06
** Elevated
** Building Height = 10.97
** SZINIT = 5.10
** Nodes = 2
** 377309.543, 3747422.669, 18.82, 0.00, 1.70
** 377597.430, 3747424.019, 20.83, 0.00, 1.70
** -----
LOCATION L0001748    VOLUME  377311.371 3747422.678 18.96
LOCATION L0001749    VOLUME  377315.029 3747422.695 18.99
LOCATION L0001750    VOLUME  377318.687 3747422.712 19.02
LOCATION L0001751    VOLUME  377322.344 3747422.729 19.03
LOCATION L0001752    VOLUME  377326.002 3747422.746 19.04
LOCATION L0001753    VOLUME  377329.659 3747422.763 19.06
LOCATION L0001754    VOLUME  377333.317 3747422.781 19.07
LOCATION L0001755    VOLUME  377336.974 3747422.798 19.08
LOCATION L0001756    VOLUME  377340.632 3747422.815 19.09
LOCATION L0001757    VOLUME  377344.289 3747422.832 19.10
LOCATION L0001758    VOLUME  377347.947 3747422.849 19.13
LOCATION L0001759    VOLUME  377351.605 3747422.866 19.17
LOCATION L0001760    VOLUME  377355.262 3747422.883 19.20
LOCATION L0001761    VOLUME  377358.920 3747422.901 19.23
LOCATION L0001762    VOLUME  377362.577 3747422.918 19.26
LOCATION L0001763    VOLUME  377366.235 3747422.935 19.30
LOCATION L0001764    VOLUME  377369.892 3747422.952 19.33
LOCATION L0001765    VOLUME  377373.550 3747422.969 19.35
LOCATION L0001766    VOLUME  377377.208 3747422.986 19.38
LOCATION L0001767    VOLUME  377380.865 3747423.003 19.40
LOCATION L0001768    VOLUME  377384.523 3747423.021 19.42
LOCATION L0001769    VOLUME  377388.180 3747423.038 19.45
LOCATION L0001770    VOLUME  377391.838 3747423.055 19.47
LOCATION L0001771    VOLUME  377395.495 3747423.072 19.50
LOCATION L0001772    VOLUME  377399.153 3747423.089 19.52
LOCATION L0001773    VOLUME  377402.810 3747423.106 19.55
LOCATION L0001774    VOLUME  377406.468 3747423.123 19.57
LOCATION L0001775    VOLUME  377410.126 3747423.141 19.59
LOCATION L0001776    VOLUME  377413.783 3747423.158 19.62
LOCATION L0001777    VOLUME  377417.441 3747423.175 19.64
LOCATION L0001778    VOLUME  377421.098 3747423.192 19.67
LOCATION L0001779    VOLUME  377424.756 3747423.209 19.70
LOCATION L0001780    VOLUME  377428.413 3747423.226 19.72
LOCATION L0001781    VOLUME  377432.071 3747423.243 19.75
LOCATION L0001782    VOLUME  377435.728 3747423.261 19.78
LOCATION L0001783    VOLUME  377439.386 3747423.278 19.80
LOCATION L0001784    VOLUME  377443.044 3747423.295 19.83
LOCATION L0001785    VOLUME  377446.701 3747423.312 19.86

```

LOCATION	VOLUME				
L0001786	377450.359	3747423.329	19.88		
L0001787	377454.016	3747423.346	19.90		
L0001788	377457.674	3747423.363	19.92		
L0001789	377461.331	3747423.381	19.94		
L0001790	377464.989	3747423.398	19.96		
L0001791	377468.647	3747423.415	19.98		
L0001792	377472.304	3747423.432	20.00		
L0001793	377475.962	3747423.449	20.03		
L0001794	377479.619	3747423.466	20.06		
L0001795	377483.277	3747423.483	20.08		
L0001796	377486.934	3747423.501	20.11		
L0001797	377490.592	3747423.518	20.14		
L0001798	377494.249	3747423.535	20.16		
L0001799	377497.907	3747423.552	20.19		
L0001800	377501.565	3747423.569	20.20		
L0001801	377505.222	3747423.586	20.21		
L0001802	377508.880	3747423.604	20.22		
L0001803	377512.537	3747423.621	20.23		
L0001804	377516.195	3747423.638	20.23		
L0001805	377519.852	3747423.655	20.24		
L0001806	377523.510	3747423.672	20.24		
L0001807	377527.167	3747423.689	20.28		
L0001808	377530.825	3747423.706	20.33		
L0001809	377534.483	3747423.724	20.38		
L0001810	377538.140	3747423.741	20.43		
L0001811	377541.798	3747423.758	20.48		
L0001812	377545.455	3747423.775	20.53		
L0001813	377549.113	3747423.792	20.58		
L0001814	377552.770	3747423.809	20.59		
L0001815	377556.428	3747423.826	20.57		
L0001816	377560.085	3747423.844	20.56		
L0001817	377563.743	3747423.861	20.54		
L0001818	377567.401	3747423.878	20.53		
L0001819	377571.058	3747423.895	20.52		
L0001820	377574.716	3747423.912	20.50		
L0001821	377578.373	3747423.929	20.46		
L0001822	377582.031	3747423.946	20.42		
L0001823	377585.688	3747423.964	20.37		
L0001824	377589.346	3747423.981	20.32		
L0001825	377593.004	3747423.998	20.27		
L0001826	377596.661	3747424.015	20.23		

```

** End of LINE VOLUME Source ID = SLINE1
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Onsite travel from driveway 2
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 1.6E-06
** Elevated

```

```

** Building Height = 10.97
** SZINIT = 5.10
** Nodes = 2
** 377606.877, 3747423.569, 20.16, 0.00, 1.70
** 377607.327, 3747251.736, 19.20, 0.00, 1.70

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**
LOCATION L0001827    VOLUME 377606.881 3747421.740 20.14
LOCATION L0001828    VOLUME 377606.891 3747418.082 20.19
LOCATION L0001829    VOLUME 377606.901 3747414.425 20.23
LOCATION L0001830    VOLUME 377606.910 3747410.767 20.28
LOCATION L0001831    VOLUME 377606.920 3747407.110 20.32
LOCATION L0001832    VOLUME 377606.929 3747403.452 20.34
LOCATION L0001833    VOLUME 377606.939 3747399.794 20.34
LOCATION L0001834    VOLUME 377606.948 3747396.137 20.33
LOCATION L0001835    VOLUME 377606.958 3747392.479 20.33
LOCATION L0001836    VOLUME 377606.968 3747388.822 20.33
LOCATION L0001837    VOLUME 377606.977 3747385.164 20.33
LOCATION L0001838    VOLUME 377606.987 3747381.507 20.33
LOCATION L0001839    VOLUME 377606.996 3747377.849 20.32
LOCATION L0001840    VOLUME 377607.006 3747374.191 20.32
LOCATION L0001841    VOLUME 377607.016 3747370.534 20.26
LOCATION L0001842    VOLUME 377607.025 3747366.876 20.20
LOCATION L0001843    VOLUME 377607.035 3747363.219 20.14
LOCATION L0001844    VOLUME 377607.044 3747359.561 20.08
LOCATION L0001845    VOLUME 377607.054 3747355.903 20.03
LOCATION L0001846    VOLUME 377607.063 3747352.246 19.97
LOCATION L0001847    VOLUME 377607.073 3747348.588 19.91
LOCATION L0001848    VOLUME 377607.083 3747344.931 19.86
LOCATION L0001849    VOLUME 377607.092 3747341.273 19.82
LOCATION L0001850    VOLUME 377607.102 3747337.615 19.78
LOCATION L0001851    VOLUME 377607.111 3747333.958 19.75
LOCATION L0001852    VOLUME 377607.121 3747330.300 19.72
LOCATION L0001853    VOLUME 377607.130 3747326.643 19.69
LOCATION L0001854    VOLUME 377607.140 3747322.985 19.66
LOCATION L0001855    VOLUME 377607.150 3747319.328 19.63
LOCATION L0001856    VOLUME 377607.159 3747315.670 19.60
LOCATION L0001857    VOLUME 377607.169 3747312.012 19.58
LOCATION L0001858    VOLUME 377607.178 3747308.355 19.60
LOCATION L0001859    VOLUME 377607.188 3747304.697 19.63
LOCATION L0001860    VOLUME 377607.197 3747301.040 19.65
LOCATION L0001861    VOLUME 377607.207 3747297.382 19.67
LOCATION L0001862    VOLUME 377607.217 3747293.724 19.69
LOCATION L0001863    VOLUME 377607.226 3747290.067 19.71
LOCATION L0001864    VOLUME 377607.236 3747286.409 19.73
LOCATION L0001865    VOLUME 377607.245 3747282.752 19.75
LOCATION L0001866    VOLUME 377607.255 3747279.094 19.70
LOCATION L0001867    VOLUME 377607.264 3747275.436 19.64
LOCATION L0001868    VOLUME 377607.274 3747271.779 19.57
LOCATION L0001869    VOLUME 377607.284 3747268.121 19.50
LOCATION L0001870    VOLUME 377607.293 3747264.464 19.43
LOCATION L0001871    VOLUME 377607.303 3747260.806 19.37

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LOCATION L0001872 VOLUME 377607.312 3747257.149 19.30  
LOCATION L0001873 VOLUME 377607.322 3747253.491 19.23

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

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Crenshaw Blvd NB n/o Project Driveway 3

\*\* PREFIX

\*\* Length of Side = 3.66

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.56E-06

\*\* Elevated

\*\* Vertical Dimension = 3.66

\*\* SZINIT = 0.85

\*\* Nodes = 2

\*\* 377299.844, 3747422.000, 18.66, 0.00, 1.70

\*\* 377297.707, 3747846.534, 20.45, 0.00, 1.70

\*\* -----

LOCATION L0001874	VOLUME	377299.835	3747423.829	18.87
LOCATION L0001875	VOLUME	377299.816	3747427.486	18.92
LOCATION L0001876	VOLUME	377299.798	3747431.144	18.98
LOCATION L0001877	VOLUME	377299.780	3747434.801	19.03
LOCATION L0001878	VOLUME	377299.761	3747438.459	19.08
LOCATION L0001879	VOLUME	377299.743	3747442.117	19.09
LOCATION L0001880	VOLUME	377299.724	3747445.774	19.08
LOCATION L0001881	VOLUME	377299.706	3747449.432	19.06
LOCATION L0001882	VOLUME	377299.688	3747453.089	19.04
LOCATION L0001883	VOLUME	377299.669	3747456.747	19.03
LOCATION L0001884	VOLUME	377299.651	3747460.404	19.01
LOCATION L0001885	VOLUME	377299.632	3747464.062	19.00
LOCATION L0001886	VOLUME	377299.614	3747467.719	18.98
LOCATION L0001887	VOLUME	377299.595	3747471.377	18.97
LOCATION L0001888	VOLUME	377299.577	3747475.035	19.00
LOCATION L0001889	VOLUME	377299.559	3747478.692	19.04
LOCATION L0001890	VOLUME	377299.540	3747482.350	19.07
LOCATION L0001891	VOLUME	377299.522	3747486.007	19.11
LOCATION L0001892	VOLUME	377299.503	3747489.665	19.14
LOCATION L0001893	VOLUME	377299.485	3747493.322	19.17
LOCATION L0001894	VOLUME	377299.467	3747496.980	19.21
LOCATION L0001895	VOLUME	377299.448	3747500.637	19.24
LOCATION L0001896	VOLUME	377299.430	3747504.295	19.25
LOCATION L0001897	VOLUME	377299.411	3747507.953	19.24
LOCATION L0001898	VOLUME	377299.393	3747511.610	19.24
LOCATION L0001899	VOLUME	377299.375	3747515.268	19.23
LOCATION L0001900	VOLUME	377299.356	3747518.925	19.22
LOCATION L0001901	VOLUME	377299.338	3747522.583	19.22
LOCATION L0001902	VOLUME	377299.319	3747526.240	19.21
LOCATION L0001903	VOLUME	377299.301	3747529.898	19.20
LOCATION L0001904	VOLUME	377299.283	3747533.555	19.20
LOCATION L0001905	VOLUME	377299.264	3747537.213	19.21
LOCATION L0001906	VOLUME	377299.246	3747540.870	19.21

LOCATION	L0001907	VOLUME	377299.227	3747544.528	19.22
LOCATION	L0001908	VOLUME	377299.209	3747548.186	19.23
LOCATION	L0001909	VOLUME	377299.190	3747551.843	19.24
LOCATION	L0001910	VOLUME	377299.172	3747555.501	19.24
LOCATION	L0001911	VOLUME	377299.154	3747559.158	19.25
LOCATION	L0001912	VOLUME	377299.135	3747562.816	19.26
LOCATION	L0001913	VOLUME	377299.117	3747566.473	19.29
LOCATION	L0001914	VOLUME	377299.098	3747570.131	19.33
LOCATION	L0001915	VOLUME	377299.080	3747573.788	19.37
LOCATION	L0001916	VOLUME	377299.062	3747577.446	19.41
LOCATION	L0001917	VOLUME	377299.043	3747581.104	19.45
LOCATION	L0001918	VOLUME	377299.025	3747584.761	19.49
LOCATION	L0001919	VOLUME	377299.006	3747588.419	19.53
LOCATION	L0001920	VOLUME	377298.988	3747592.076	19.57
LOCATION	L0001921	VOLUME	377298.970	3747595.734	19.60
LOCATION	L0001922	VOLUME	377298.951	3747599.391	19.63
LOCATION	L0001923	VOLUME	377298.933	3747603.049	19.67
LOCATION	L0001924	VOLUME	377298.914	3747606.706	19.70
LOCATION	L0001925	VOLUME	377298.896	3747610.364	19.73
LOCATION	L0001926	VOLUME	377298.878	3747614.022	19.76
LOCATION	L0001927	VOLUME	377298.859	3747617.679	19.79
LOCATION	L0001928	VOLUME	377298.841	3747621.337	19.82
LOCATION	L0001929	VOLUME	377298.822	3747624.994	19.85
LOCATION	L0001930	VOLUME	377298.804	3747628.652	19.88
LOCATION	L0001931	VOLUME	377298.785	3747632.309	19.90
LOCATION	L0001932	VOLUME	377298.767	3747635.967	19.92
LOCATION	L0001933	VOLUME	377298.749	3747639.624	19.95
LOCATION	L0001934	VOLUME	377298.730	3747643.282	19.97
LOCATION	L0001935	VOLUME	377298.712	3747646.940	20.00
LOCATION	L0001936	VOLUME	377298.693	3747650.597	20.02
LOCATION	L0001937	VOLUME	377298.675	3747654.255	20.05
LOCATION	L0001938	VOLUME	377298.657	3747657.912	20.07
LOCATION	L0001939	VOLUME	377298.638	3747661.570	20.10
LOCATION	L0001940	VOLUME	377298.620	3747665.227	20.12
LOCATION	L0001941	VOLUME	377298.601	3747668.885	20.15
LOCATION	L0001942	VOLUME	377298.583	3747672.542	20.18
LOCATION	L0001943	VOLUME	377298.565	3747676.200	20.20
LOCATION	L0001944	VOLUME	377298.546	3747679.858	20.23
LOCATION	L0001945	VOLUME	377298.528	3747683.515	20.26
LOCATION	L0001946	VOLUME	377298.509	3747687.173	20.28
LOCATION	L0001947	VOLUME	377298.491	3747690.830	20.31
LOCATION	L0001948	VOLUME	377298.473	3747694.488	20.34
LOCATION	L0001949	VOLUME	377298.454	3747698.145	20.38
LOCATION	L0001950	VOLUME	377298.436	3747701.803	20.41
LOCATION	L0001951	VOLUME	377298.417	3747705.460	20.44
LOCATION	L0001952	VOLUME	377298.399	3747709.118	20.47
LOCATION	L0001953	VOLUME	377298.380	3747712.776	20.50
LOCATION	L0001954	VOLUME	377298.362	3747716.433	20.53
LOCATION	L0001955	VOLUME	377298.344	3747720.091	20.55
LOCATION	L0001956	VOLUME	377298.325	3747723.748	20.57
LOCATION	L0001957	VOLUME	377298.307	3747727.406	20.59

LOCATION	VOLUME				
L0001958	377298.288	3747731.063	20.61		
L0001959	377298.270	3747734.721	20.62		
L0001960	377298.252	3747738.378	20.64		
L0001961	377298.233	3747742.036	20.66		
L0001962	377298.215	3747745.693	20.68		
L0001963	377298.196	3747749.351	20.69		
L0001964	377298.178	3747753.009	20.69		
L0001965	377298.160	3747756.666	20.69		
L0001966	377298.141	3747760.324	20.70		
L0001967	377298.123	3747763.981	20.70		
L0001968	377298.104	3747767.639	20.70		
L0001969	377298.086	3747771.296	20.70		
L0001970	377298.068	3747774.954	20.70		
L0001971	377298.049	3747778.611	20.70		
L0001972	377298.031	3747782.269	20.69		
L0001973	377298.012	3747785.927	20.67		
L0001974	377297.994	3747789.584	20.65		
L0001975	377297.975	3747793.242	20.63		
L0001976	377297.957	3747796.899	20.61		
L0001977	377297.939	3747800.557	20.60		
L0001978	377297.920	3747804.214	20.58		
L0001979	377297.902	3747807.872	20.56		
L0001980	377297.883	3747811.529	20.55		
L0001981	377297.865	3747815.187	20.53		
L0001982	377297.847	3747818.845	20.52		
L0001983	377297.828	3747822.502	20.50		
L0001984	377297.810	3747826.160	20.48		
L0001985	377297.791	3747829.817	20.47		
L0001986	377297.773	3747833.475	20.45		
L0001987	377297.755	3747837.132	20.44		
L0001988	377297.736	3747840.790	20.42		
L0001989	377297.718	3747844.447	20.40		

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** End of LINE VOLUME Source ID = SLINE3
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Crenshaw Blvd n/o 190th St
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 1.3E-06
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 6
** 377156.337, 3747243.729, 18.13, 0.00, 1.70
** 377233.697, 3747379.881, 18.46, 0.00, 1.70
** 377255.357, 3747420.108, 18.51, 0.00, 1.70
** 377271.860, 3747448.989, 18.72, 0.00, 1.70
** 377280.112, 3747463.429, 18.72, 0.00, 1.70
** 377289.395, 3747481.996, 19.00, 0.00, 1.70

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LOCATION	L0002561	VOLUME	377157.241	3747245.319	18.15
LOCATION	L0002562	VOLUME	377159.048	3747248.499	18.13
LOCATION	L0002563	VOLUME	377160.854	3747251.679	18.12
LOCATION	L0002564	VOLUME	377162.661	3747254.859	18.10
LOCATION	L0002565	VOLUME	377164.468	3747258.039	18.08
LOCATION	L0002566	VOLUME	377166.275	3747261.220	18.06
LOCATION	L0002567	VOLUME	377168.082	3747264.400	18.04
LOCATION	L0002568	VOLUME	377169.889	3747267.580	18.03
LOCATION	L0002569	VOLUME	377171.696	3747270.760	18.03
LOCATION	L0002570	VOLUME	377173.503	3747273.940	18.03
LOCATION	L0002571	VOLUME	377175.310	3747277.120	18.04
LOCATION	L0002572	VOLUME	377177.116	3747280.300	18.06
LOCATION	L0002573	VOLUME	377178.923	3747283.480	18.09
LOCATION	L0002574	VOLUME	377180.730	3747286.661	18.12
LOCATION	L0002575	VOLUME	377182.537	3747289.841	18.14
LOCATION	L0002576	VOLUME	377184.344	3747293.021	18.15
LOCATION	L0002577	VOLUME	377186.151	3747296.201	18.17
LOCATION	L0002578	VOLUME	377187.958	3747299.381	18.18
LOCATION	L0002579	VOLUME	377189.765	3747302.561	18.19
LOCATION	L0002580	VOLUME	377191.572	3747305.741	18.19
LOCATION	L0002581	VOLUME	377193.378	3747308.921	18.18
LOCATION	L0002582	VOLUME	377195.185	3747312.102	18.18
LOCATION	L0002583	VOLUME	377196.992	3747315.282	18.17
LOCATION	L0002584	VOLUME	377198.799	3747318.462	18.16
LOCATION	L0002585	VOLUME	377200.606	3747321.642	18.14
LOCATION	L0002586	VOLUME	377202.413	3747324.822	18.14
LOCATION	L0002587	VOLUME	377204.220	3747328.002	18.14
LOCATION	L0002588	VOLUME	377206.027	3747331.182	18.15
LOCATION	L0002589	VOLUME	377207.834	3747334.362	18.17
LOCATION	L0002590	VOLUME	377209.640	3747337.543	18.20
LOCATION	L0002591	VOLUME	377211.447	3747340.723	18.24
LOCATION	L0002592	VOLUME	377213.254	3747343.903	18.28
LOCATION	L0002593	VOLUME	377215.061	3747347.083	18.33
LOCATION	L0002594	VOLUME	377216.868	3747350.263	18.34
LOCATION	L0002595	VOLUME	377218.675	3747353.443	18.31
LOCATION	L0002596	VOLUME	377220.482	3747356.623	18.29
LOCATION	L0002597	VOLUME	377222.289	3747359.803	18.28
LOCATION	L0002598	VOLUME	377224.096	3747362.984	18.27
LOCATION	L0002599	VOLUME	377225.902	3747366.164	18.27
LOCATION	L0002600	VOLUME	377227.709	3747369.344	18.28
LOCATION	L0002601	VOLUME	377229.516	3747372.524	18.29
LOCATION	L0002602	VOLUME	377231.323	3747375.704	18.32
LOCATION	L0002603	VOLUME	377233.130	3747378.884	18.34
LOCATION	L0002604	VOLUME	377234.887	3747382.092	18.38
LOCATION	L0002605	VOLUME	377236.621	3747385.312	18.40
LOCATION	L0002606	VOLUME	377238.355	3747388.533	18.43
LOCATION	L0002607	VOLUME	377240.089	3747391.753	18.44
LOCATION	L0002608	VOLUME	377241.823	3747394.974	18.45
LOCATION	L0002609	VOLUME	377243.557	3747398.194	18.44
LOCATION	L0002610	VOLUME	377245.291	3747401.414	18.43

LOCATION	L0002611	VOLUME	377247.025	3747404.635	18.43
LOCATION	L0002612	VOLUME	377248.759	3747407.855	18.43
LOCATION	L0002613	VOLUME	377250.493	3747411.076	18.43
LOCATION	L0002614	VOLUME	377252.228	3747414.296	18.43
LOCATION	L0002615	VOLUME	377253.962	3747417.517	18.44
LOCATION	L0002616	VOLUME	377255.711	3747420.728	18.46
LOCATION	L0002617	VOLUME	377257.526	3747423.904	18.48
LOCATION	L0002618	VOLUME	377259.341	3747427.080	18.51
LOCATION	L0002619	VOLUME	377261.155	3747430.255	18.55
LOCATION	L0002620	VOLUME	377262.970	3747433.431	18.59
LOCATION	L0002621	VOLUME	377264.785	3747436.607	18.64
LOCATION	L0002622	VOLUME	377266.599	3747439.782	18.70
LOCATION	L0002623	VOLUME	377268.414	3747442.958	18.72
LOCATION	L0002624	VOLUME	377270.229	3747446.134	18.72
LOCATION	L0002625	VOLUME	377272.044	3747449.309	18.71
LOCATION	L0002626	VOLUME	377273.858	3747452.485	18.71
LOCATION	L0002627	VOLUME	377275.673	3747455.661	18.70
LOCATION	L0002628	VOLUME	377277.488	3747458.836	18.71
LOCATION	L0002629	VOLUME	377279.302	3747462.012	18.71
LOCATION	L0002630	VOLUME	377281.018	3747465.241	18.71
LOCATION	L0002631	VOLUME	377282.654	3747468.512	18.71
LOCATION	L0002632	VOLUME	377284.289	3747471.784	18.73
LOCATION	L0002633	VOLUME	377285.925	3747475.055	18.77
LOCATION	L0002634	VOLUME	377287.561	3747478.327	18.82
LOCATION	L0002635	VOLUME	377289.196	3747481.598	18.88

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

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC 190th St west of 405 fwy SB ramps

\*\* PREFIX

\*\* Length of Side = 3.66

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.000012

\*\* Elevated

\*\* Vertical Dimension = 3.66

\*\* SZINIT = 0.85

\*\* Nodes = 2

\*\* 377162.491, 3747238.163, 18.10, 0.00, 1.70

\*\* 378701.707, 3747243.918, 18.18, 0.00, 1.70

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LOCATION	L0002140	VOLUME	377164.319	3747238.170	18.07
LOCATION	L0002141	VOLUME	377167.977	3747238.184	18.06
LOCATION	L0002142	VOLUME	377171.634	3747238.198	18.04
LOCATION	L0002143	VOLUME	377175.292	3747238.211	18.03
LOCATION	L0002144	VOLUME	377178.950	3747238.225	18.01
LOCATION	L0002145	VOLUME	377182.607	3747238.239	18.00
LOCATION	L0002146	VOLUME	377186.265	3747238.252	17.98
LOCATION	L0002147	VOLUME	377189.922	3747238.266	17.97
LOCATION	L0002148	VOLUME	377193.580	3747238.280	17.97
LOCATION	L0002149	VOLUME	377197.237	3747238.293	17.97

LOCATION	L0002150	VOLUME	377200.895	3747238.307	17.97
LOCATION	L0002151	VOLUME	377204.553	3747238.321	17.96
LOCATION	L0002152	VOLUME	377208.210	3747238.334	17.96
LOCATION	L0002153	VOLUME	377211.868	3747238.348	17.96
LOCATION	L0002154	VOLUME	377215.525	3747238.362	17.94
LOCATION	L0002155	VOLUME	377219.183	3747238.375	17.89
LOCATION	L0002156	VOLUME	377222.840	3747238.389	17.85
LOCATION	L0002157	VOLUME	377226.498	3747238.403	17.81
LOCATION	L0002158	VOLUME	377230.156	3747238.416	17.77
LOCATION	L0002159	VOLUME	377233.813	3747238.430	17.73
LOCATION	L0002160	VOLUME	377237.471	3747238.444	17.68
LOCATION	L0002161	VOLUME	377241.128	3747238.457	17.67
LOCATION	L0002162	VOLUME	377244.786	3747238.471	17.68
LOCATION	L0002163	VOLUME	377248.444	3747238.485	17.70
LOCATION	L0002164	VOLUME	377252.101	3747238.499	17.71
LOCATION	L0002165	VOLUME	377255.759	3747238.512	17.73
LOCATION	L0002166	VOLUME	377259.416	3747238.526	17.74
LOCATION	L0002167	VOLUME	377263.074	3747238.540	17.76
LOCATION	L0002168	VOLUME	377266.731	3747238.553	17.77
LOCATION	L0002169	VOLUME	377270.389	3747238.567	17.78
LOCATION	L0002170	VOLUME	377274.047	3747238.581	17.79
LOCATION	L0002171	VOLUME	377277.704	3747238.594	17.81
LOCATION	L0002172	VOLUME	377281.362	3747238.608	17.82
LOCATION	L0002173	VOLUME	377285.019	3747238.622	17.83
LOCATION	L0002174	VOLUME	377288.677	3747238.635	17.84
LOCATION	L0002175	VOLUME	377292.334	3747238.649	17.86
LOCATION	L0002176	VOLUME	377295.992	3747238.663	17.90
LOCATION	L0002177	VOLUME	377299.650	3747238.676	17.93
LOCATION	L0002178	VOLUME	377303.307	3747238.690	17.97
LOCATION	L0002179	VOLUME	377306.965	3747238.704	18.01
LOCATION	L0002180	VOLUME	377310.622	3747238.717	18.05
LOCATION	L0002181	VOLUME	377314.280	3747238.731	18.09
LOCATION	L0002182	VOLUME	377317.937	3747238.745	18.13
LOCATION	L0002183	VOLUME	377321.595	3747238.758	18.17
LOCATION	L0002184	VOLUME	377325.253	3747238.772	18.22
LOCATION	L0002185	VOLUME	377328.910	3747238.786	18.26
LOCATION	L0002186	VOLUME	377332.568	3747238.799	18.31
LOCATION	L0002187	VOLUME	377336.225	3747238.813	18.36
LOCATION	L0002188	VOLUME	377339.883	3747238.827	18.40
LOCATION	L0002189	VOLUME	377343.540	3747238.840	18.44
LOCATION	L0002190	VOLUME	377347.198	3747238.854	18.48
LOCATION	L0002191	VOLUME	377350.856	3747238.868	18.52
LOCATION	L0002192	VOLUME	377354.513	3747238.881	18.56
LOCATION	L0002193	VOLUME	377358.171	3747238.895	18.60
LOCATION	L0002194	VOLUME	377361.828	3747238.909	18.64
LOCATION	L0002195	VOLUME	377365.486	3747238.922	18.68
LOCATION	L0002196	VOLUME	377369.143	3747238.936	18.72
LOCATION	L0002197	VOLUME	377372.801	3747238.950	18.75
LOCATION	L0002198	VOLUME	377376.459	3747238.963	18.78
LOCATION	L0002199	VOLUME	377380.116	3747238.977	18.80
LOCATION	L0002200	VOLUME	377383.774	3747238.991	18.83

LOCATION	L0002201	VOLUME	377387.431	3747239.004	18.86
LOCATION	L0002202	VOLUME	377391.089	3747239.018	18.89
LOCATION	L0002203	VOLUME	377394.746	3747239.032	18.93
LOCATION	L0002204	VOLUME	377398.404	3747239.045	18.98
LOCATION	L0002205	VOLUME	377402.062	3747239.059	19.04
LOCATION	L0002206	VOLUME	377405.719	3747239.073	19.09
LOCATION	L0002207	VOLUME	377409.377	3747239.087	19.15
LOCATION	L0002208	VOLUME	377413.034	3747239.100	19.20
LOCATION	L0002209	VOLUME	377416.692	3747239.114	19.26
LOCATION	L0002210	VOLUME	377420.350	3747239.128	19.31
LOCATION	L0002211	VOLUME	377424.007	3747239.141	19.35
LOCATION	L0002212	VOLUME	377427.665	3747239.155	19.39
LOCATION	L0002213	VOLUME	377431.322	3747239.169	19.43
LOCATION	L0002214	VOLUME	377434.980	3747239.182	19.46
LOCATION	L0002215	VOLUME	377438.637	3747239.196	19.50
LOCATION	L0002216	VOLUME	377442.295	3747239.210	19.54
LOCATION	L0002217	VOLUME	377445.953	3747239.223	19.58
LOCATION	L0002218	VOLUME	377449.610	3747239.237	19.61
LOCATION	L0002219	VOLUME	377453.268	3747239.251	19.65
LOCATION	L0002220	VOLUME	377456.925	3747239.264	19.68
LOCATION	L0002221	VOLUME	377460.583	3747239.278	19.71
LOCATION	L0002222	VOLUME	377464.240	3747239.292	19.74
LOCATION	L0002223	VOLUME	377467.898	3747239.305	19.78
LOCATION	L0002224	VOLUME	377471.556	3747239.319	19.80
LOCATION	L0002225	VOLUME	377475.213	3747239.333	19.80
LOCATION	L0002226	VOLUME	377478.871	3747239.346	19.80
LOCATION	L0002227	VOLUME	377482.528	3747239.360	19.80
LOCATION	L0002228	VOLUME	377486.186	3747239.374	19.79
LOCATION	L0002229	VOLUME	377489.843	3747239.387	19.79
LOCATION	L0002230	VOLUME	377493.501	3747239.401	19.79
LOCATION	L0002231	VOLUME	377497.159	3747239.415	19.78
LOCATION	L0002232	VOLUME	377500.816	3747239.428	19.76
LOCATION	L0002233	VOLUME	377504.474	3747239.442	19.74
LOCATION	L0002234	VOLUME	377508.131	3747239.456	19.72
LOCATION	L0002235	VOLUME	377511.789	3747239.469	19.70
LOCATION	L0002236	VOLUME	377515.446	3747239.483	19.68
LOCATION	L0002237	VOLUME	377519.104	3747239.497	19.66
LOCATION	L0002238	VOLUME	377522.762	3747239.510	19.64
LOCATION	L0002239	VOLUME	377526.419	3747239.524	19.62
LOCATION	L0002240	VOLUME	377530.077	3747239.538	19.60
LOCATION	L0002241	VOLUME	377533.734	3747239.551	19.58
LOCATION	L0002242	VOLUME	377537.392	3747239.565	19.56
LOCATION	L0002243	VOLUME	377541.049	3747239.579	19.54
LOCATION	L0002244	VOLUME	377544.707	3747239.592	19.53
LOCATION	L0002245	VOLUME	377548.365	3747239.606	19.51
LOCATION	L0002246	VOLUME	377552.022	3747239.620	19.50
LOCATION	L0002247	VOLUME	377555.680	3747239.634	19.49
LOCATION	L0002248	VOLUME	377559.337	3747239.647	19.47
LOCATION	L0002249	VOLUME	377562.995	3747239.661	19.46
LOCATION	L0002250	VOLUME	377566.652	3747239.675	19.45
LOCATION	L0002251	VOLUME	377570.310	3747239.688	19.44

LOCATION	L0002252	VOLUME	377573.968	3747239.702	19.43
LOCATION	L0002253	VOLUME	377577.625	3747239.716	19.40
LOCATION	L0002254	VOLUME	377581.283	3747239.729	19.37
LOCATION	L0002255	VOLUME	377584.940	3747239.743	19.34
LOCATION	L0002256	VOLUME	377588.598	3747239.757	19.31
LOCATION	L0002257	VOLUME	377592.256	3747239.770	19.28
LOCATION	L0002258	VOLUME	377595.913	3747239.784	19.25
LOCATION	L0002259	VOLUME	377599.571	3747239.798	19.23
LOCATION	L0002260	VOLUME	377603.228	3747239.811	19.21
LOCATION	L0002261	VOLUME	377606.886	3747239.825	19.20
LOCATION	L0002262	VOLUME	377610.543	3747239.839	19.19
LOCATION	L0002263	VOLUME	377614.201	3747239.852	19.18
LOCATION	L0002264	VOLUME	377617.859	3747239.866	19.16
LOCATION	L0002265	VOLUME	377621.516	3747239.880	19.15
LOCATION	L0002266	VOLUME	377625.174	3747239.893	19.14
LOCATION	L0002267	VOLUME	377628.831	3747239.907	19.12
LOCATION	L0002268	VOLUME	377632.489	3747239.921	19.09
LOCATION	L0002269	VOLUME	377636.146	3747239.934	19.07
LOCATION	L0002270	VOLUME	377639.804	3747239.948	19.05
LOCATION	L0002271	VOLUME	377643.462	3747239.962	19.03
LOCATION	L0002272	VOLUME	377647.119	3747239.975	19.01
LOCATION	L0002273	VOLUME	377650.777	3747239.989	18.99
LOCATION	L0002274	VOLUME	377654.434	3747240.003	18.96
LOCATION	L0002275	VOLUME	377658.092	3747240.016	18.94
LOCATION	L0002276	VOLUME	377661.749	3747240.030	18.91
LOCATION	L0002277	VOLUME	377665.407	3747240.044	18.89
LOCATION	L0002278	VOLUME	377669.065	3747240.057	18.86
LOCATION	L0002279	VOLUME	377672.722	3747240.071	18.84
LOCATION	L0002280	VOLUME	377676.380	3747240.085	18.81
LOCATION	L0002281	VOLUME	377680.037	3747240.098	18.79
LOCATION	L0002282	VOLUME	377683.695	3747240.112	18.78
LOCATION	L0002283	VOLUME	377687.352	3747240.126	18.76
LOCATION	L0002284	VOLUME	377691.010	3747240.139	18.74
LOCATION	L0002285	VOLUME	377694.668	3747240.153	18.73
LOCATION	L0002286	VOLUME	377698.325	3747240.167	18.71
LOCATION	L0002287	VOLUME	377701.983	3747240.181	18.69
LOCATION	L0002288	VOLUME	377705.640	3747240.194	18.67
LOCATION	L0002289	VOLUME	377709.298	3747240.208	18.65
LOCATION	L0002290	VOLUME	377712.955	3747240.222	18.63
LOCATION	L0002291	VOLUME	377716.613	3747240.235	18.61
LOCATION	L0002292	VOLUME	377720.271	3747240.249	18.59
LOCATION	L0002293	VOLUME	377723.928	3747240.263	18.56
LOCATION	L0002294	VOLUME	377727.586	3747240.276	18.54
LOCATION	L0002295	VOLUME	377731.243	3747240.290	18.52
LOCATION	L0002296	VOLUME	377734.901	3747240.304	18.49
LOCATION	L0002297	VOLUME	377738.558	3747240.317	18.47
LOCATION	L0002298	VOLUME	377742.216	3747240.331	18.44
LOCATION	L0002299	VOLUME	377745.874	3747240.345	18.42
LOCATION	L0002300	VOLUME	377749.531	3747240.358	18.40
LOCATION	L0002301	VOLUME	377753.189	3747240.372	18.37
LOCATION	L0002302	VOLUME	377756.846	3747240.386	18.34

LOCATION	L0002303	VOLUME	377760.504	3747240.399	18.31
LOCATION	L0002304	VOLUME	377764.162	3747240.413	18.29
LOCATION	L0002305	VOLUME	377767.819	3747240.427	18.26
LOCATION	L0002306	VOLUME	377771.477	3747240.440	18.23
LOCATION	L0002307	VOLUME	377775.134	3747240.454	18.20
LOCATION	L0002308	VOLUME	377778.792	3747240.468	18.17
LOCATION	L0002309	VOLUME	377782.449	3747240.481	18.18
LOCATION	L0002310	VOLUME	377786.107	3747240.495	18.19
LOCATION	L0002311	VOLUME	377789.765	3747240.509	18.19
LOCATION	L0002312	VOLUME	377793.422	3747240.522	18.20
LOCATION	L0002313	VOLUME	377797.080	3747240.536	18.21
LOCATION	L0002314	VOLUME	377800.737	3747240.550	18.22
LOCATION	L0002315	VOLUME	377804.395	3747240.563	18.23
LOCATION	L0002316	VOLUME	377808.052	3747240.577	18.23
LOCATION	L0002317	VOLUME	377811.710	3747240.591	18.24
LOCATION	L0002318	VOLUME	377815.368	3747240.604	18.25
LOCATION	L0002319	VOLUME	377819.025	3747240.618	18.26
LOCATION	L0002320	VOLUME	377822.683	3747240.632	18.26
LOCATION	L0002321	VOLUME	377826.340	3747240.645	18.27
LOCATION	L0002322	VOLUME	377829.998	3747240.659	18.28
LOCATION	L0002323	VOLUME	377833.655	3747240.673	18.28
LOCATION	L0002324	VOLUME	377837.313	3747240.686	18.29
LOCATION	L0002325	VOLUME	377840.971	3747240.700	18.29
LOCATION	L0002326	VOLUME	377844.628	3747240.714	18.29
LOCATION	L0002327	VOLUME	377848.286	3747240.728	18.29
LOCATION	L0002328	VOLUME	377851.943	3747240.741	18.29
LOCATION	L0002329	VOLUME	377855.601	3747240.755	18.30
LOCATION	L0002330	VOLUME	377859.258	3747240.769	18.32
LOCATION	L0002331	VOLUME	377862.916	3747240.782	18.34
LOCATION	L0002332	VOLUME	377866.574	3747240.796	18.36
LOCATION	L0002333	VOLUME	377870.231	3747240.810	18.39
LOCATION	L0002334	VOLUME	377873.889	3747240.823	18.41
LOCATION	L0002335	VOLUME	377877.546	3747240.837	18.44
LOCATION	L0002336	VOLUME	377881.204	3747240.851	18.46
LOCATION	L0002337	VOLUME	377884.861	3747240.864	18.49
LOCATION	L0002338	VOLUME	377888.519	3747240.878	18.51
LOCATION	L0002339	VOLUME	377892.177	3747240.892	18.54
LOCATION	L0002340	VOLUME	377895.834	3747240.905	18.56
LOCATION	L0002341	VOLUME	377899.492	3747240.919	18.59
LOCATION	L0002342	VOLUME	377903.149	3747240.933	18.61
LOCATION	L0002343	VOLUME	377906.807	3747240.946	18.64
LOCATION	L0002344	VOLUME	377910.464	3747240.960	18.66
LOCATION	L0002345	VOLUME	377914.122	3747240.974	18.68
LOCATION	L0002346	VOLUME	377917.780	3747240.987	18.71
LOCATION	L0002347	VOLUME	377921.437	3747241.001	18.73
LOCATION	L0002348	VOLUME	377925.095	3747241.015	18.76
LOCATION	L0002349	VOLUME	377928.752	3747241.028	18.78
LOCATION	L0002350	VOLUME	377932.410	3747241.042	18.81
LOCATION	L0002351	VOLUME	377936.068	3747241.056	18.85
LOCATION	L0002352	VOLUME	377939.725	3747241.069	18.90
LOCATION	L0002353	VOLUME	377943.383	3747241.083	18.95

LOCATION	L0002354	VOLUME	377947.040	3747241.097	19.00
LOCATION	L0002355	VOLUME	377950.698	3747241.110	19.05
LOCATION	L0002356	VOLUME	377954.355	3747241.124	19.10
LOCATION	L0002357	VOLUME	377958.013	3747241.138	19.15
LOCATION	L0002358	VOLUME	377961.671	3747241.151	19.17
LOCATION	L0002359	VOLUME	377965.328	3747241.165	19.17
LOCATION	L0002360	VOLUME	377968.986	3747241.179	19.17
LOCATION	L0002361	VOLUME	377972.643	3747241.192	19.17
LOCATION	L0002362	VOLUME	377976.301	3747241.206	19.16
LOCATION	L0002363	VOLUME	377979.958	3747241.220	19.16
LOCATION	L0002364	VOLUME	377983.616	3747241.233	19.16
LOCATION	L0002365	VOLUME	377987.274	3747241.247	19.17
LOCATION	L0002366	VOLUME	377990.931	3747241.261	19.19
LOCATION	L0002367	VOLUME	377994.589	3747241.274	19.20
LOCATION	L0002368	VOLUME	377998.246	3747241.288	19.22
LOCATION	L0002369	VOLUME	378001.904	3747241.302	19.24
LOCATION	L0002370	VOLUME	378005.561	3747241.316	19.25
LOCATION	L0002371	VOLUME	378009.219	3747241.329	19.27
LOCATION	L0002372	VOLUME	378012.877	3747241.343	19.28
LOCATION	L0002373	VOLUME	378016.534	3747241.357	19.30
LOCATION	L0002374	VOLUME	378020.192	3747241.370	19.31
LOCATION	L0002375	VOLUME	378023.849	3747241.384	19.32
LOCATION	L0002376	VOLUME	378027.507	3747241.398	19.34
LOCATION	L0002377	VOLUME	378031.164	3747241.411	19.35
LOCATION	L0002378	VOLUME	378034.822	3747241.425	19.37
LOCATION	L0002379	VOLUME	378038.480	3747241.439	19.40
LOCATION	L0002380	VOLUME	378042.137	3747241.452	19.44
LOCATION	L0002381	VOLUME	378045.795	3747241.466	19.49
LOCATION	L0002382	VOLUME	378049.452	3747241.480	19.53
LOCATION	L0002383	VOLUME	378053.110	3747241.493	19.57
LOCATION	L0002384	VOLUME	378056.767	3747241.507	19.62
LOCATION	L0002385	VOLUME	378060.425	3747241.521	19.66
LOCATION	L0002386	VOLUME	378064.083	3747241.534	19.68
LOCATION	L0002387	VOLUME	378067.740	3747241.548	19.69
LOCATION	L0002388	VOLUME	378071.398	3747241.562	19.70
LOCATION	L0002389	VOLUME	378075.055	3747241.575	19.70
LOCATION	L0002390	VOLUME	378078.713	3747241.589	19.71
LOCATION	L0002391	VOLUME	378082.370	3747241.603	19.72
LOCATION	L0002392	VOLUME	378086.028	3747241.616	19.72
LOCATION	L0002393	VOLUME	378089.686	3747241.630	19.74
LOCATION	L0002394	VOLUME	378093.343	3747241.644	19.76
LOCATION	L0002395	VOLUME	378097.001	3747241.657	19.78
LOCATION	L0002396	VOLUME	378100.658	3747241.671	19.80
LOCATION	L0002397	VOLUME	378104.316	3747241.685	19.83
LOCATION	L0002398	VOLUME	378107.974	3747241.698	19.85
LOCATION	L0002399	VOLUME	378111.631	3747241.712	19.87
LOCATION	L0002400	VOLUME	378115.289	3747241.726	19.88
LOCATION	L0002401	VOLUME	378118.946	3747241.739	19.89
LOCATION	L0002402	VOLUME	378122.604	3747241.753	19.90
LOCATION	L0002403	VOLUME	378126.261	3747241.767	19.90
LOCATION	L0002404	VOLUME	378129.919	3747241.780	19.91

LOCATION	L0002405	VOLUME	378133.577	3747241.794	19.91
LOCATION	L0002406	VOLUME	378137.234	3747241.808	19.92
LOCATION	L0002407	VOLUME	378140.892	3747241.821	19.92
LOCATION	L0002408	VOLUME	378144.549	3747241.835	19.91
LOCATION	L0002409	VOLUME	378148.207	3747241.849	19.91
LOCATION	L0002410	VOLUME	378151.864	3747241.863	19.91
LOCATION	L0002411	VOLUME	378155.522	3747241.876	19.90
LOCATION	L0002412	VOLUME	378159.180	3747241.890	19.90
LOCATION	L0002413	VOLUME	378162.837	3747241.904	19.90
LOCATION	L0002414	VOLUME	378166.495	3747241.917	19.88
LOCATION	L0002415	VOLUME	378170.152	3747241.931	19.84
LOCATION	L0002416	VOLUME	378173.810	3747241.945	19.80
LOCATION	L0002417	VOLUME	378177.467	3747241.958	19.77
LOCATION	L0002418	VOLUME	378181.125	3747241.972	19.73
LOCATION	L0002419	VOLUME	378184.783	3747241.986	19.69
LOCATION	L0002420	VOLUME	378188.440	3747241.999	19.66
LOCATION	L0002421	VOLUME	378192.098	3747242.013	19.64
LOCATION	L0002422	VOLUME	378195.755	3747242.027	19.66
LOCATION	L0002423	VOLUME	378199.413	3747242.040	19.67
LOCATION	L0002424	VOLUME	378203.070	3747242.054	19.68
LOCATION	L0002425	VOLUME	378206.728	3747242.068	19.69
LOCATION	L0002426	VOLUME	378210.386	3747242.081	19.70
LOCATION	L0002427	VOLUME	378214.043	3747242.095	19.71
LOCATION	L0002428	VOLUME	378217.701	3747242.109	19.71
LOCATION	L0002429	VOLUME	378221.358	3747242.122	19.70
LOCATION	L0002430	VOLUME	378225.016	3747242.136	19.70
LOCATION	L0002431	VOLUME	378228.673	3747242.150	19.69
LOCATION	L0002432	VOLUME	378232.331	3747242.163	19.68
LOCATION	L0002433	VOLUME	378235.989	3747242.177	19.67
LOCATION	L0002434	VOLUME	378239.646	3747242.191	19.66
LOCATION	L0002435	VOLUME	378243.304	3747242.204	19.64
LOCATION	L0002436	VOLUME	378246.961	3747242.218	19.59
LOCATION	L0002437	VOLUME	378250.619	3747242.232	19.54
LOCATION	L0002438	VOLUME	378254.276	3747242.245	19.50
LOCATION	L0002439	VOLUME	378257.934	3747242.259	19.45
LOCATION	L0002440	VOLUME	378261.592	3747242.273	19.40
LOCATION	L0002441	VOLUME	378265.249	3747242.286	19.35
LOCATION	L0002442	VOLUME	378268.907	3747242.300	19.33
LOCATION	L0002443	VOLUME	378272.564	3747242.314	19.34
LOCATION	L0002444	VOLUME	378276.222	3747242.327	19.36
LOCATION	L0002445	VOLUME	378279.880	3747242.341	19.37
LOCATION	L0002446	VOLUME	378283.537	3747242.355	19.39
LOCATION	L0002447	VOLUME	378287.195	3747242.368	19.40
LOCATION	L0002448	VOLUME	378290.852	3747242.382	19.42
LOCATION	L0002449	VOLUME	378294.510	3747242.396	19.43
LOCATION	L0002450	VOLUME	378298.167	3747242.410	19.42
LOCATION	L0002451	VOLUME	378301.825	3747242.423	19.42
LOCATION	L0002452	VOLUME	378305.483	3747242.437	19.42
LOCATION	L0002453	VOLUME	378309.140	3747242.451	19.41
LOCATION	L0002454	VOLUME	378312.798	3747242.464	19.41
LOCATION	L0002455	VOLUME	378316.455	3747242.478	19.41



LOCATION	L0002456	VOLUME	378320.113	3747242.492	19.40
LOCATION	L0002457	VOLUME	378323.770	3747242.505	19.37
LOCATION	L0002458	VOLUME	378327.428	3747242.519	19.35
LOCATION	L0002459	VOLUME	378331.086	3747242.533	19.32
LOCATION	L0002460	VOLUME	378334.743	3747242.546	19.30
LOCATION	L0002461	VOLUME	378338.401	3747242.560	19.27
LOCATION	L0002462	VOLUME	378342.058	3747242.574	19.25
LOCATION	L0002463	VOLUME	378345.716	3747242.587	19.23
LOCATION	L0002464	VOLUME	378349.373	3747242.601	19.22
LOCATION	L0002465	VOLUME	378353.031	3747242.615	19.22
LOCATION	L0002466	VOLUME	378356.689	3747242.628	19.21
LOCATION	L0002467	VOLUME	378360.346	3747242.642	19.20
LOCATION	L0002468	VOLUME	378364.004	3747242.656	19.20
LOCATION	L0002469	VOLUME	378367.661	3747242.669	19.19
LOCATION	L0002470	VOLUME	378371.319	3747242.683	19.18
LOCATION	L0002471	VOLUME	378374.976	3747242.697	19.19
LOCATION	L0002472	VOLUME	378378.634	3747242.710	19.19
LOCATION	L0002473	VOLUME	378382.292	3747242.724	19.19
LOCATION	L0002474	VOLUME	378385.949	3747242.738	19.19
LOCATION	L0002475	VOLUME	378389.607	3747242.751	19.19
LOCATION	L0002476	VOLUME	378393.264	3747242.765	19.19
LOCATION	L0002477	VOLUME	378396.922	3747242.779	19.18
LOCATION	L0002478	VOLUME	378400.579	3747242.792	19.15
LOCATION	L0002479	VOLUME	378404.237	3747242.806	19.12
LOCATION	L0002480	VOLUME	378407.895	3747242.820	19.09
LOCATION	L0002481	VOLUME	378411.552	3747242.833	19.05
LOCATION	L0002482	VOLUME	378415.210	3747242.847	19.02
LOCATION	L0002483	VOLUME	378418.867	3747242.861	18.99
LOCATION	L0002484	VOLUME	378422.525	3747242.874	18.97
LOCATION	L0002485	VOLUME	378426.182	3747242.888	19.00
LOCATION	L0002486	VOLUME	378429.840	3747242.902	19.03
LOCATION	L0002487	VOLUME	378433.498	3747242.915	19.07
LOCATION	L0002488	VOLUME	378437.155	3747242.929	19.10
LOCATION	L0002489	VOLUME	378440.813	3747242.943	19.13
LOCATION	L0002490	VOLUME	378444.470	3747242.957	19.17
LOCATION	L0002491	VOLUME	378448.128	3747242.970	19.19
LOCATION	L0002492	VOLUME	378451.786	3747242.984	19.19
LOCATION	L0002493	VOLUME	378455.443	3747242.998	19.18
LOCATION	L0002494	VOLUME	378459.101	3747243.011	19.18
LOCATION	L0002495	VOLUME	378462.758	3747243.025	19.17
LOCATION	L0002496	VOLUME	378466.416	3747243.039	19.17
LOCATION	L0002497	VOLUME	378470.073	3747243.052	19.17
LOCATION	L0002498	VOLUME	378473.731	3747243.066	19.16
LOCATION	L0002499	VOLUME	378477.389	3747243.080	19.14
LOCATION	L0002500	VOLUME	378481.046	3747243.093	19.11
LOCATION	L0002501	VOLUME	378484.704	3747243.107	19.08
LOCATION	L0002502	VOLUME	378488.361	3747243.121	19.06
LOCATION	L0002503	VOLUME	378492.019	3747243.134	19.03
LOCATION	L0002504	VOLUME	378495.676	3747243.148	19.01
LOCATION	L0002505	VOLUME	378499.334	3747243.162	18.98
LOCATION	L0002506	VOLUME	378502.992	3747243.175	18.96

LOCATION	L0002507	VOLUME	378506.649	3747243.189	18.94
LOCATION	L0002508	VOLUME	378510.307	3747243.203	18.92
LOCATION	L0002509	VOLUME	378513.964	3747243.216	18.90
LOCATION	L0002510	VOLUME	378517.622	3747243.230	18.88
LOCATION	L0002511	VOLUME	378521.279	3747243.244	18.87
LOCATION	L0002512	VOLUME	378524.937	3747243.257	18.85
LOCATION	L0002513	VOLUME	378528.595	3747243.271	18.83
LOCATION	L0002514	VOLUME	378532.252	3747243.285	18.82
LOCATION	L0002515	VOLUME	378535.910	3747243.298	18.81
LOCATION	L0002516	VOLUME	378539.567	3747243.312	18.79
LOCATION	L0002517	VOLUME	378543.225	3747243.326	18.78
LOCATION	L0002518	VOLUME	378546.882	3747243.339	18.76
LOCATION	L0002519	VOLUME	378550.540	3747243.353	18.75
LOCATION	L0002520	VOLUME	378554.198	3747243.367	18.72
LOCATION	L0002521	VOLUME	378557.855	3747243.380	18.70
LOCATION	L0002522	VOLUME	378561.513	3747243.394	18.68
LOCATION	L0002523	VOLUME	378565.170	3747243.408	18.66
LOCATION	L0002524	VOLUME	378568.828	3747243.421	18.63
LOCATION	L0002525	VOLUME	378572.485	3747243.435	18.61
LOCATION	L0002526	VOLUME	378576.143	3747243.449	18.59
LOCATION	L0002527	VOLUME	378579.801	3747243.462	18.60
LOCATION	L0002528	VOLUME	378583.458	3747243.476	18.61
LOCATION	L0002529	VOLUME	378587.116	3747243.490	18.62
LOCATION	L0002530	VOLUME	378590.773	3747243.504	18.63
LOCATION	L0002531	VOLUME	378594.431	3747243.517	18.65
LOCATION	L0002532	VOLUME	378598.088	3747243.531	18.66
LOCATION	L0002533	VOLUME	378601.746	3747243.545	18.67
LOCATION	L0002534	VOLUME	378605.404	3747243.558	18.68
LOCATION	L0002535	VOLUME	378609.061	3747243.572	18.68
LOCATION	L0002536	VOLUME	378612.719	3747243.586	18.69
LOCATION	L0002537	VOLUME	378616.376	3747243.599	18.69
LOCATION	L0002538	VOLUME	378620.034	3747243.613	18.69
LOCATION	L0002539	VOLUME	378623.692	3747243.627	18.70
LOCATION	L0002540	VOLUME	378627.349	3747243.640	18.70
LOCATION	L0002541	VOLUME	378631.007	3747243.654	18.68
LOCATION	L0002542	VOLUME	378634.664	3747243.668	18.65
LOCATION	L0002543	VOLUME	378638.322	3747243.681	18.63
LOCATION	L0002544	VOLUME	378641.979	3747243.695	18.60
LOCATION	L0002545	VOLUME	378645.637	3747243.709	18.57
LOCATION	L0002546	VOLUME	378649.295	3747243.722	18.55
LOCATION	L0002547	VOLUME	378652.952	3747243.736	18.52
LOCATION	L0002548	VOLUME	378656.610	3747243.750	18.49
LOCATION	L0002549	VOLUME	378660.267	3747243.763	18.47
LOCATION	L0002550	VOLUME	378663.925	3747243.777	18.44
LOCATION	L0002551	VOLUME	378667.582	3747243.791	18.41
LOCATION	L0002552	VOLUME	378671.240	3747243.804	18.39
LOCATION	L0002553	VOLUME	378674.898	3747243.818	18.36
LOCATION	L0002554	VOLUME	378678.555	3747243.832	18.33
LOCATION	L0002555	VOLUME	378682.213	3747243.845	18.33
LOCATION	L0002556	VOLUME	378685.870	3747243.859	18.34
LOCATION	L0002557	VOLUME	378689.528	3747243.873	18.35

LOCATION	L0002558	VOLUME	378693.185	3747243.886	18.35
LOCATION	L0002559	VOLUME	378696.843	3747243.900	18.36
LOCATION	L0002560	VOLUME	378700.501	3747243.914	18.36

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

\*\* Source Parameters \*\*

SRCPARAM	STCK1	0.0000132	3.658	366.000	51.90000	0.091
SRCPARAM	STCK2	0.0000132	3.658	366.000	51.90000	0.091
SRCPARAM	STCK3	0.0000132	3.658	366.000	51.90000	0.091
SRCPARAM	STCK4	0.0000132	3.658	366.000	51.90000	0.091
SRCPARAM	STCK5	0.0000132	3.658	366.000	51.90000	0.091
SRCPARAM	STCK6	0.0000132	3.658	366.000	51.90000	0.091

\*\* LINE VOLUME Source ID = SLINE1

SRCPARAM	L0001748	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001749	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001750	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001751	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001752	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001753	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001754	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001755	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001756	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001757	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001758	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001759	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001760	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001761	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001762	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001763	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001764	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001765	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001766	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001767	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001768	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001769	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001770	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001771	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001772	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001773	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001774	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001775	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001776	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001777	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001778	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001779	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001780	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001781	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001782	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001783	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001784	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001785	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001786	0.00000003392	0.00	1.70	5.10

SRCPARAM	L0001787	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001788	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001789	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001790	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001791	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001792	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001793	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001794	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001795	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001796	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001797	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001798	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001799	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001800	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001801	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001802	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001803	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001804	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001805	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001806	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001807	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001808	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001809	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001810	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001811	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001812	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001813	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001814	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001815	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001816	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001817	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001818	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001819	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001820	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001821	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001822	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001823	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001824	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001825	0.00000003392	0.00	1.70	5.10
SRCPARAM	L0001826	0.00000003392	0.00	1.70	5.10

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\*\* LINE VOLUME Source ID = SLINE2

SRCPARAM	L0001827	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001828	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001829	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001830	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001831	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001832	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001833	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001834	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001835	0.00000003404	0.00	1.70	5.10

SRCPARAM	L0001836	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001837	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001838	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001839	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001840	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001841	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001842	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001843	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001844	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001845	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001846	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001847	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001848	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001849	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001850	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001851	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001852	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001853	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001854	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001855	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001856	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001857	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001858	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001859	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001860	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001861	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001862	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001863	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001864	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001865	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001866	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001867	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001868	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001869	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001870	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001871	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001872	0.00000003404	0.00	1.70	5.10
SRCPARAM	L0001873	0.00000003404	0.00	1.70	5.10

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 \*\* LINE VOLUME Source ID = SLINE3

SRCPARAM	L0001874	0.00000003931	0.00	1.70	0.85
SRCPARAM	L0001875	0.00000003931	0.00	1.70	0.85
SRCPARAM	L0001876	0.00000003931	0.00	1.70	0.85
SRCPARAM	L0001877	0.00000003931	0.00	1.70	0.85
SRCPARAM	L0001878	0.00000003931	0.00	1.70	0.85
SRCPARAM	L0001879	0.00000003931	0.00	1.70	0.85
SRCPARAM	L0001880	0.00000003931	0.00	1.70	0.85
SRCPARAM	L0001881	0.00000003931	0.00	1.70	0.85
SRCPARAM	L0001882	0.00000003931	0.00	1.70	0.85
SRCPARAM	L0001883	0.00000003931	0.00	1.70	0.85
SRCPARAM	L0001884	0.00000003931	0.00	1.70	0.85





SRCPARAM	L0001987	0.00000003931	0.00	1.70	0.85
SRCPARAM	L0001988	0.00000003931	0.00	1.70	0.85
SRCPARAM	L0001989	0.00000003931	0.00	1.70	0.85

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\*\* LINE VOLUME Source ID = SLINE4

SRCPARAM	L0002561	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002562	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002563	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002564	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002565	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002566	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002567	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002568	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002569	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002570	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002571	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002572	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002573	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002574	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002575	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002576	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002577	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002578	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002579	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002580	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002581	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002582	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002583	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002584	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002585	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002586	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002587	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002588	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002589	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002590	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002591	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002592	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002593	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002594	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002595	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002596	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002597	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002598	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002599	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002600	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002601	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002602	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002603	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002604	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002605	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002606	0.00000001733	0.00	1.70	0.85



SRCPARAM	L0002607	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002608	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002609	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002610	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002611	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002612	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002613	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002614	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002615	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002616	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002617	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002618	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002619	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002620	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002621	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002622	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002623	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002624	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002625	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002626	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002627	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002628	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002629	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002630	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002631	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002632	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002633	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002634	0.00000001733	0.00	1.70	0.85
SRCPARAM	L0002635	0.00000001733	0.00	1.70	0.85

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 \*\* LINE VOLUME Source ID = SLINE5

SRCPARAM	L0002140	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002141	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002142	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002143	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002144	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002145	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002146	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002147	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002148	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002149	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002150	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002151	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002152	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002153	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002154	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002155	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002156	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002157	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002158	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002159	0.0000000285	0.00	1.70	0.85

















SRCPARAM	L0002517	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002518	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002519	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002520	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002521	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002522	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002523	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002524	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002525	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002526	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002527	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002528	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002529	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002530	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002531	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002532	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002533	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002534	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002535	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002536	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002537	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002538	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002539	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002540	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002541	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002542	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002543	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002544	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002545	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002546	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002547	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002548	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002549	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002550	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002551	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002552	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002553	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002554	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002555	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002556	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002557	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002558	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002559	0.0000000285	0.00	1.70	0.85
SRCPARAM	L0002560	0.0000000285	0.00	1.70	0.85

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** Building Downwash **						
BUILDHGT STCK1	10.97	10.97	10.97	10.97	10.97	10.97
BUILDHGT STCK1	10.97	10.97	10.97	10.97	10.97	10.97
BUILDHGT STCK1	10.97	10.97	10.97	10.97	10.97	10.97
BUILDHGT STCK1	10.97	10.97	10.97	10.97	10.97	10.97



BUILDWID	STCK3	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK3	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK3	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK3	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK3	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK3	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK4	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK4	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK4	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK4	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK4	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK4	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK5	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK5	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK5	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK5	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK5	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK5	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK6	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK6	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK6	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK6	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK6	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK6	231.78	250.76	262.13	265.53	260.86	249.57
BUILDLN	STCK1	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK1	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK1	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK1	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK1	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK1	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK2	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK2	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK2	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK2	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK2	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK2	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK3	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK3	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK3	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK3	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK3	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK3	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK4	144.21	176.80	205.75	231.78	250.76	262.13

BUILDLN	STCK4	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK4	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK4	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK4	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK4	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK5	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK5	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK5	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK5	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK5	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK5	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK6	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK6	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK6	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK6	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK6	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK6	258.65	240.82	215.68	183.99	146.70	107.24
XBADJ	STCK1	-115.36	-116.76	-114.61	-108.97	-100.03	-88.04
XBADJ	STCK1	-73.38	-56.50	-38.21	-36.96	-34.58	-31.16
XBADJ	STCK1	-26.78	-21.60	-15.75	-9.43	-2.82	3.22
XBADJ	STCK1	-28.85	-60.04	-91.14	-122.80	-150.73	-174.08
XBADJ	STCK1	-192.15	-204.37	-211.36	-227.05	-235.84	-237.46
XBADJ	STCK1	-231.87	-219.23	-199.93	-174.56	-143.88	-110.46
XBADJ	STCK2	-121.68	-128.23	-130.88	-129.56	-124.30	-115.26
XBADJ	STCK2	-102.72	-87.06	-69.08	-67.19	-63.26	-57.41
XBADJ	STCK2	-49.81	-40.70	-30.35	-19.08	-7.23	4.19
XBADJ	STCK2	-22.53	-48.57	-74.87	-102.22	-126.46	-146.87
XBADJ	STCK2	-162.80	-173.80	-180.49	-196.81	-207.16	-211.21
XBADJ	STCK2	-208.84	-200.13	-185.33	-164.91	-139.47	-111.43
XBADJ	STCK3	-126.63	-137.65	-144.49	-146.94	-144.93	-138.51
XBADJ	STCK3	-127.88	-113.37	-95.73	-93.38	-88.19	-80.32
XBADJ	STCK3	-70.01	-57.57	-43.39	-27.88	-11.53	4.52
XBADJ	STCK3	-17.58	-39.14	-61.26	-84.84	-105.84	-123.62
XBADJ	STCK3	-137.65	-147.50	-153.84	-170.63	-182.23	-188.29
XBADJ	STCK3	-188.64	-183.25	-172.30	-156.10	-135.17	-111.76
XBADJ	STCK4	-131.99	-148.21	-159.93	-166.78	-168.57	-165.24
XBADJ	STCK4	-156.89	-143.77	-126.60	-123.78	-117.20	-107.05
XBADJ	STCK4	-93.66	-77.42	-58.82	-38.44	-16.89	4.52
XBADJ	STCK4	-12.22	-28.59	-45.82	-64.99	-82.19	-96.89
XBADJ	STCK4	-108.64	-117.09	-122.97	-140.23	-153.22	-161.56
XBADJ	STCK4	-164.99	-163.41	-156.86	-145.55	-129.81	-111.76
XBADJ	STCK5	-136.96	-157.99	-174.23	-185.17	-190.48	-190.01
XBADJ	STCK5	-183.76	-171.93	-155.20	-151.94	-144.07	-131.82
XBADJ	STCK5	-115.57	-95.80	-73.12	-48.22	-21.86	4.52

XBADJ	STCK5	-7.25	-18.80	-31.52	-46.61	-60.28	-72.12
XBADJ	STCK5	-81.77	-88.93	-94.37	-112.06	-126.35	-136.79
XBADJ	STCK5	-143.08	-145.02	-142.56	-135.76	-124.84	-111.76
XBADJ	STCK6	-142.35	-168.30	-189.13	-204.21	-213.10	-215.50
XBADJ	STCK6	-211.36	-200.80	-184.45	-180.69	-171.45	-156.99
XBADJ	STCK6	-137.77	-114.36	-87.47	-57.93	-26.62	4.84
XBADJ	STCK6	-1.86	-8.50	-16.62	-27.56	-37.67	-46.63
XBADJ	STCK6	-54.17	-60.07	-65.12	-83.31	-98.97	-111.62
XBADJ	STCK6	-120.88	-126.47	-128.21	-126.06	-120.08	-112.08
YBADJ	STCK1	-95.04	-100.63	-103.15	-102.54	-98.82	-92.09
YBADJ	STCK1	-82.56	-70.53	-56.84	-43.26	-28.36	-11.73
YBADJ	STCK1	6.92	25.35	43.02	59.38	73.94	86.58
YBADJ	STCK1	95.04	100.63	103.15	102.54	98.82	92.09
YBADJ	STCK1	82.56	70.53	56.84	43.26	28.36	11.73
YBADJ	STCK1	-6.92	-25.35	-43.02	-59.38	-73.94	-86.58
YBADJ	STCK2	-64.81	-71.95	-76.90	-79.52	-79.72	-77.49
YBADJ	STCK2	-72.92	-66.12	-57.81	-49.57	-39.83	-28.01
YBADJ	STCK2	-13.67	1.08	15.80	30.04	43.37	55.71
YBADJ	STCK2	64.81	71.95	76.90	79.52	79.72	77.49
YBADJ	STCK2	72.92	66.12	57.81	49.57	39.83	28.01
YBADJ	STCK2	13.67	-1.08	-15.80	-30.04	-43.37	-55.71
YBADJ	STCK3	-38.62	-47.02	-53.99	-59.31	-62.84	-64.45
YBADJ	STCK3	-64.11	-61.82	-58.14	-54.53	-49.25	-41.62
YBADJ	STCK3	-31.05	-19.55	-7.44	4.88	17.06	29.06
YBADJ	STCK3	38.62	47.02	53.99	59.31	62.84	64.45
YBADJ	STCK3	64.11	61.82	58.14	54.53	49.25	41.62
YBADJ	STCK3	31.05	19.55	7.44	-4.88	-17.06	-29.06
YBADJ	STCK4	-8.22	-18.01	-27.25	-35.67	-43.00	-49.02
YBADJ	STCK4	-53.55	-56.46	-58.14	-59.89	-59.81	-57.05
YBADJ	STCK4	-50.90	-43.19	-34.18	-24.12	-13.34	-1.81
YBADJ	STCK4	8.22	18.01	27.25	35.67	43.00	49.02
YBADJ	STCK4	53.55	56.46	58.14	59.89	59.81	57.05
YBADJ	STCK4	50.90	43.19	34.18	24.12	13.34	1.81
YBADJ	STCK5	19.94	8.86	-2.48	-13.76	-24.61	-34.72
YBADJ	STCK5	-43.77	-51.49	-58.14	-64.85	-69.59	-71.35
YBADJ	STCK5	-69.28	-65.10	-58.95	-51.00	-41.50	-30.41
YBADJ	STCK5	-19.94	-8.86	2.48	13.76	24.61	34.72
YBADJ	STCK5	43.77	51.49	58.14	64.85	69.59	71.35
YBADJ	STCK5	69.28	65.10	58.95	51.00	41.50	30.41
YBADJ	STCK6	48.69	36.24	22.69	8.44	-6.06	-20.37
YBADJ	STCK6	-34.07	-46.73	-58.46	-70.25	-79.90	-86.25
YBADJ	STCK6	-88.33	-87.71	-84.44	-78.59	-70.36	-59.66
YBADJ	STCK6	-48.69	-36.24	-22.69	-8.44	6.06	20.37
YBADJ	STCK6	34.07	46.73	58.46	70.25	79.90	86.25

YBADJ STCK6 88.33 87.71 84.44 78.59 70.36 59.66

URBANSRC ALL  
SRCGROUP ALL

SO FINISHED

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\*\* AERMOD Receptor Pathway

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RE STARTING

INCLUDED "190th Street Warehouse 2025-39.rou"

RE FINISHED

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\*\* AERMOD Meteorology Pathway

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ME STARTING

SURFFILE "E:\New MET data\KHHV\_V9\_ADJU\KHHV\_v9.SFC"

PROFFILE "E:\New MET data\KHHV\_V9\_ADJU\KHHV\_v9.PFL"

SURFDATA 3167 2012

UAIRDATA 3190 2012

PROFBASE 19.0 METERS

ME FINISHED

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\*\* AERMOD Output Pathway

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\*\*

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OU STARTING

\*\* Auto-Generated Plotfiles

PLOTFILE PERIOD ALL "190TH STREET WAREHOUSE 2025-39.AD\PE00GALL.PLT" 31

SUMMFILE "190th Street Warehouse 2025-39.sum"

OU FINISHED

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

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

A Total of 0 Fatal Error Message(s)  
A Total of 8 Warning Message(s)  
A Total of 0 Informational Message(s)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

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***** WARNING MESSAGES *****
SO W320      872      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      873      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      874      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      875      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      876      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      877      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
ME W186      1862     MEOPEN: THRESH_LMIN 1-min ASOS wind speed threshold used      0.50
ME W187      1862     MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

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*** AERMOD - VERSION 19191 ***      *** 190th St Warehouse 2025-2039      ***      05/15/20
*** AERMET - VERSION 16216 ***      *** DPM concentrations first 14YR Exposure      ***      07:52:35
*** MODELOPTs:   RegDFault CONC  ELEV  URBAN  ADJ_U*      ***      PAGE 1

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\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

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

-- DEPOSITION LOGIC --

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

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**Model Uses URBAN Dispersion Algorithm for the SBL for 744 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9818605.0 ; Urban Roughness Length = 1.000 m

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**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.

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

```

\*\*Model Assumes No FLAGPOLE Receptor Heights.

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

\*\*Model Calculates PERIOD Averages Only

\*\*This Run Includes: 744 Source(s); 1 Source Group(s); and 449 Receptor(s)

with: 6 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 738 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 RLINE/RLINEXT source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

\*\*The AERMET Input Meteorological Data Version Date: 16216

\*\*Output Options Selected:

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

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

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 19.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0  
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07  
Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 4.9 MB of RAM.

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

\*\*Detailed Error/Message File: 190th Street Warehouse 2025-39.err  
\*\*File for Summary of Results: 190th Street Warehouse 2025-39.sum

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\* 190th St Warehouse 2025-2039 \*\*\* 05/15/20  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\* DPM concentrations first 14YR Exposure \*\*\* 07:52:35  
PAGE 2

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* POINT SOURCE DATA \*\*\*

NUMBER	EMISSION RATE	BASE	STACK	STACK	STACK	STACK	BLDG	URBAN	CAP/	EMIS RATE
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SOURCE ID	PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	TEMP. (DEG.K)	EXIT VEL. (M/SEC)	DIAMETER (METERS)	EXISTS	SOURCE HOR	SCALAR VARY BY
STCK1	0	0.13200E-04	377375.1	3747396.4	19.2	3.66	366.00	51.90	0.09	YES	YES	NO
STCK2	0	0.13200E-04	377406.0	3747397.4	19.4	3.66	366.00	51.90	0.09	YES	YES	NO
STCK3	0	0.13200E-04	377432.7	3747397.7	19.6	3.66	366.00	51.90	0.09	YES	YES	NO
STCK4	0	0.13200E-04	377463.5	3747397.7	19.8	3.66	366.00	51.90	0.09	YES	YES	NO
STCK5	0	0.13200E-04	377492.1	3747397.7	20.1	3.66	366.00	51.90	0.09	YES	YES	NO
STCK6	0	0.13200E-04	377521.4	3747398.1	20.6	3.66	366.00	51.90	0.09	YES	YES	NO

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure      \*\*\*      07:52:35  
 PAGE 3

\*\*\* 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
L0001748	0	0.33920E-07	377311.4	3747422.7	19.0	0.00	1.70	5.10	YES	
L0001749	0	0.33920E-07	377315.0	3747422.7	19.0	0.00	1.70	5.10	YES	
L0001750	0	0.33920E-07	377318.7	3747422.7	19.0	0.00	1.70	5.10	YES	
L0001751	0	0.33920E-07	377322.3	3747422.7	19.0	0.00	1.70	5.10	YES	
L0001752	0	0.33920E-07	377326.0	3747422.7	19.0	0.00	1.70	5.10	YES	
L0001753	0	0.33920E-07	377329.7	3747422.8	19.1	0.00	1.70	5.10	YES	
L0001754	0	0.33920E-07	377333.3	3747422.8	19.1	0.00	1.70	5.10	YES	
L0001755	0	0.33920E-07	377337.0	3747422.8	19.1	0.00	1.70	5.10	YES	
L0001756	0	0.33920E-07	377340.6	3747422.8	19.1	0.00	1.70	5.10	YES	
L0001757	0	0.33920E-07	377344.3	3747422.8	19.1	0.00	1.70	5.10	YES	
L0001758	0	0.33920E-07	377347.9	3747422.8	19.1	0.00	1.70	5.10	YES	
L0001759	0	0.33920E-07	377351.6	3747422.9	19.2	0.00	1.70	5.10	YES	
L0001760	0	0.33920E-07	377355.3	3747422.9	19.2	0.00	1.70	5.10	YES	
L0001761	0	0.33920E-07	377358.9	3747422.9	19.2	0.00	1.70	5.10	YES	
L0001762	0	0.33920E-07	377362.6	3747422.9	19.3	0.00	1.70	5.10	YES	
L0001763	0	0.33920E-07	377366.2	3747422.9	19.3	0.00	1.70	5.10	YES	
L0001764	0	0.33920E-07	377369.9	3747423.0	19.3	0.00	1.70	5.10	YES	
L0001765	0	0.33920E-07	377373.5	3747423.0	19.4	0.00	1.70	5.10	YES	
L0001766	0	0.33920E-07	377377.2	3747423.0	19.4	0.00	1.70	5.10	YES	
L0001767	0	0.33920E-07	377380.9	3747423.0	19.4	0.00	1.70	5.10	YES	
L0001768	0	0.33920E-07	377384.5	3747423.0	19.4	0.00	1.70	5.10	YES	
L0001769	0	0.33920E-07	377388.2	3747423.0	19.4	0.00	1.70	5.10	YES	
L0001770	0	0.33920E-07	377391.8	3747423.1	19.5	0.00	1.70	5.10	YES	
L0001771	0	0.33920E-07	377395.5	3747423.1	19.5	0.00	1.70	5.10	YES	
L0001772	0	0.33920E-07	377399.2	3747423.1	19.5	0.00	1.70	5.10	YES	
L0001773	0	0.33920E-07	377402.8	3747423.1	19.6	0.00	1.70	5.10	YES	
L0001774	0	0.33920E-07	377406.5	3747423.1	19.6	0.00	1.70	5.10	YES	

L0001775	0	0.33920E-07	377410.1	3747423.1	19.6	0.00	1.70	5.10	YES
L0001776	0	0.33920E-07	377413.8	3747423.2	19.6	0.00	1.70	5.10	YES
L0001777	0	0.33920E-07	377417.4	3747423.2	19.6	0.00	1.70	5.10	YES
L0001778	0	0.33920E-07	377421.1	3747423.2	19.7	0.00	1.70	5.10	YES
L0001779	0	0.33920E-07	377424.8	3747423.2	19.7	0.00	1.70	5.10	YES
L0001780	0	0.33920E-07	377428.4	3747423.2	19.7	0.00	1.70	5.10	YES
L0001781	0	0.33920E-07	377432.1	3747423.2	19.8	0.00	1.70	5.10	YES
L0001782	0	0.33920E-07	377435.7	3747423.3	19.8	0.00	1.70	5.10	YES
L0001783	0	0.33920E-07	377439.4	3747423.3	19.8	0.00	1.70	5.10	YES
L0001784	0	0.33920E-07	377443.0	3747423.3	19.8	0.00	1.70	5.10	YES
L0001785	0	0.33920E-07	377446.7	3747423.3	19.9	0.00	1.70	5.10	YES
L0001786	0	0.33920E-07	377450.4	3747423.3	19.9	0.00	1.70	5.10	YES
L0001787	0	0.33920E-07	377454.0	3747423.3	19.9	0.00	1.70	5.10	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure

\*\*\*      05/15/20  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001788	0	0.33920E-07	377457.7	3747423.4	19.9	0.00	1.70	5.10	YES	
L0001789	0	0.33920E-07	377461.3	3747423.4	19.9	0.00	1.70	5.10	YES	
L0001790	0	0.33920E-07	377465.0	3747423.4	20.0	0.00	1.70	5.10	YES	
L0001791	0	0.33920E-07	377468.6	3747423.4	20.0	0.00	1.70	5.10	YES	
L0001792	0	0.33920E-07	377472.3	3747423.4	20.0	0.00	1.70	5.10	YES	
L0001793	0	0.33920E-07	377476.0	3747423.4	20.0	0.00	1.70	5.10	YES	
L0001794	0	0.33920E-07	377479.6	3747423.5	20.1	0.00	1.70	5.10	YES	
L0001795	0	0.33920E-07	377483.3	3747423.5	20.1	0.00	1.70	5.10	YES	
L0001796	0	0.33920E-07	377486.9	3747423.5	20.1	0.00	1.70	5.10	YES	
L0001797	0	0.33920E-07	377490.6	3747423.5	20.1	0.00	1.70	5.10	YES	
L0001798	0	0.33920E-07	377494.2	3747423.5	20.2	0.00	1.70	5.10	YES	
L0001799	0	0.33920E-07	377497.9	3747423.6	20.2	0.00	1.70	5.10	YES	
L0001800	0	0.33920E-07	377501.6	3747423.6	20.2	0.00	1.70	5.10	YES	
L0001801	0	0.33920E-07	377505.2	3747423.6	20.2	0.00	1.70	5.10	YES	
L0001802	0	0.33920E-07	377508.9	3747423.6	20.2	0.00	1.70	5.10	YES	
L0001803	0	0.33920E-07	377512.5	3747423.6	20.2	0.00	1.70	5.10	YES	
L0001804	0	0.33920E-07	377516.2	3747423.6	20.2	0.00	1.70	5.10	YES	
L0001805	0	0.33920E-07	377519.9	3747423.7	20.2	0.00	1.70	5.10	YES	
L0001806	0	0.33920E-07	377523.5	3747423.7	20.2	0.00	1.70	5.10	YES	
L0001807	0	0.33920E-07	377527.2	3747423.7	20.3	0.00	1.70	5.10	YES	
L0001808	0	0.33920E-07	377530.8	3747423.7	20.3	0.00	1.70	5.10	YES	
L0001809	0	0.33920E-07	377534.5	3747423.7	20.4	0.00	1.70	5.10	YES	
L0001810	0	0.33920E-07	377538.1	3747423.7	20.4	0.00	1.70	5.10	YES	
L0001811	0	0.33920E-07	377541.8	3747423.8	20.5	0.00	1.70	5.10	YES	

L0001812	0	0.33920E-07	377545.5	3747423.8	20.5	0.00	1.70	5.10	YES
L0001813	0	0.33920E-07	377549.1	3747423.8	20.6	0.00	1.70	5.10	YES
L0001814	0	0.33920E-07	377552.8	3747423.8	20.6	0.00	1.70	5.10	YES
L0001815	0	0.33920E-07	377556.4	3747423.8	20.6	0.00	1.70	5.10	YES
L0001816	0	0.33920E-07	377560.1	3747423.8	20.6	0.00	1.70	5.10	YES
L0001817	0	0.33920E-07	377563.7	3747423.9	20.5	0.00	1.70	5.10	YES
L0001818	0	0.33920E-07	377567.4	3747423.9	20.5	0.00	1.70	5.10	YES
L0001819	0	0.33920E-07	377571.1	3747423.9	20.5	0.00	1.70	5.10	YES
L0001820	0	0.33920E-07	377574.7	3747423.9	20.5	0.00	1.70	5.10	YES
L0001821	0	0.33920E-07	377578.4	3747423.9	20.5	0.00	1.70	5.10	YES
L0001822	0	0.33920E-07	377582.0	3747423.9	20.4	0.00	1.70	5.10	YES
L0001823	0	0.33920E-07	377585.7	3747424.0	20.4	0.00	1.70	5.10	YES
L0001824	0	0.33920E-07	377589.3	3747424.0	20.3	0.00	1.70	5.10	YES
L0001825	0	0.33920E-07	377593.0	3747424.0	20.3	0.00	1.70	5.10	YES
L0001826	0	0.33920E-07	377596.7	3747424.0	20.2	0.00	1.70	5.10	YES
L0001827	0	0.34040E-07	377606.9	3747421.7	20.1	0.00	1.70	5.10	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039      \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure      \*\*\*  
 \*\*\* MODELOPTs:      RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\*      05/15/20  
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\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	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
L0001828	0	0.34040E-07	377606.9	3747418.1	20.2	0.00	1.70	5.10	YES	
L0001829	0	0.34040E-07	377606.9	3747414.4	20.2	0.00	1.70	5.10	YES	
L0001830	0	0.34040E-07	377606.9	3747410.8	20.3	0.00	1.70	5.10	YES	
L0001831	0	0.34040E-07	377606.9	3747407.1	20.3	0.00	1.70	5.10	YES	
L0001832	0	0.34040E-07	377606.9	3747403.5	20.3	0.00	1.70	5.10	YES	
L0001833	0	0.34040E-07	377606.9	3747399.8	20.3	0.00	1.70	5.10	YES	
L0001834	0	0.34040E-07	377606.9	3747396.1	20.3	0.00	1.70	5.10	YES	
L0001835	0	0.34040E-07	377607.0	3747392.5	20.3	0.00	1.70	5.10	YES	
L0001836	0	0.34040E-07	377607.0	3747388.8	20.3	0.00	1.70	5.10	YES	
L0001837	0	0.34040E-07	377607.0	3747385.2	20.3	0.00	1.70	5.10	YES	
L0001838	0	0.34040E-07	377607.0	3747381.5	20.3	0.00	1.70	5.10	YES	
L0001839	0	0.34040E-07	377607.0	3747377.8	20.3	0.00	1.70	5.10	YES	
L0001840	0	0.34040E-07	377607.0	3747374.2	20.3	0.00	1.70	5.10	YES	
L0001841	0	0.34040E-07	377607.0	3747370.5	20.3	0.00	1.70	5.10	YES	
L0001842	0	0.34040E-07	377607.0	3747366.9	20.2	0.00	1.70	5.10	YES	
L0001843	0	0.34040E-07	377607.0	3747363.2	20.1	0.00	1.70	5.10	YES	
L0001844	0	0.34040E-07	377607.0	3747359.6	20.1	0.00	1.70	5.10	YES	
L0001845	0	0.34040E-07	377607.1	3747355.9	20.0	0.00	1.70	5.10	YES	
L0001846	0	0.34040E-07	377607.1	3747352.2	20.0	0.00	1.70	5.10	YES	
L0001847	0	0.34040E-07	377607.1	3747348.6	19.9	0.00	1.70	5.10	YES	
L0001848	0	0.34040E-07	377607.1	3747344.9	19.9	0.00	1.70	5.10	YES	

L0001849	0	0.34040E-07	377607.1	3747341.3	19.8	0.00	1.70	5.10	YES
L0001850	0	0.34040E-07	377607.1	3747337.6	19.8	0.00	1.70	5.10	YES
L0001851	0	0.34040E-07	377607.1	3747334.0	19.8	0.00	1.70	5.10	YES
L0001852	0	0.34040E-07	377607.1	3747330.3	19.7	0.00	1.70	5.10	YES
L0001853	0	0.34040E-07	377607.1	3747326.6	19.7	0.00	1.70	5.10	YES
L0001854	0	0.34040E-07	377607.1	3747323.0	19.7	0.00	1.70	5.10	YES
L0001855	0	0.34040E-07	377607.1	3747319.3	19.6	0.00	1.70	5.10	YES
L0001856	0	0.34040E-07	377607.2	3747315.7	19.6	0.00	1.70	5.10	YES
L0001857	0	0.34040E-07	377607.2	3747312.0	19.6	0.00	1.70	5.10	YES
L0001858	0	0.34040E-07	377607.2	3747308.4	19.6	0.00	1.70	5.10	YES
L0001859	0	0.34040E-07	377607.2	3747304.7	19.6	0.00	1.70	5.10	YES
L0001860	0	0.34040E-07	377607.2	3747301.0	19.7	0.00	1.70	5.10	YES
L0001861	0	0.34040E-07	377607.2	3747297.4	19.7	0.00	1.70	5.10	YES
L0001862	0	0.34040E-07	377607.2	3747293.7	19.7	0.00	1.70	5.10	YES
L0001863	0	0.34040E-07	377607.2	3747290.1	19.7	0.00	1.70	5.10	YES
L0001864	0	0.34040E-07	377607.2	3747286.4	19.7	0.00	1.70	5.10	YES
L0001865	0	0.34040E-07	377607.2	3747282.8	19.8	0.00	1.70	5.10	YES
L0001866	0	0.34040E-07	377607.3	3747279.1	19.7	0.00	1.70	5.10	YES
L0001867	0	0.34040E-07	377607.3	3747275.4	19.6	0.00	1.70	5.10	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure      \*\*\*      07:52:35  
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\*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      URBAN      ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001868	0	0.34040E-07	377607.3	3747271.8	19.6	0.00	1.70	5.10	YES	
L0001869	0	0.34040E-07	377607.3	3747268.1	19.5	0.00	1.70	5.10	YES	
L0001870	0	0.34040E-07	377607.3	3747264.5	19.4	0.00	1.70	5.10	YES	
L0001871	0	0.34040E-07	377607.3	3747260.8	19.4	0.00	1.70	5.10	YES	
L0001872	0	0.34040E-07	377607.3	3747257.1	19.3	0.00	1.70	5.10	YES	
L0001873	0	0.34040E-07	377607.3	3747253.5	19.2	0.00	1.70	5.10	YES	
L0001874	0	0.39310E-07	377299.8	3747423.8	18.9	0.00	1.70	0.85	YES	
L0001875	0	0.39310E-07	377299.8	3747427.5	18.9	0.00	1.70	0.85	YES	
L0001876	0	0.39310E-07	377299.8	3747431.1	19.0	0.00	1.70	0.85	YES	
L0001877	0	0.39310E-07	377299.8	3747434.8	19.0	0.00	1.70	0.85	YES	
L0001878	0	0.39310E-07	377299.8	3747438.5	19.1	0.00	1.70	0.85	YES	
L0001879	0	0.39310E-07	377299.7	3747442.1	19.1	0.00	1.70	0.85	YES	
L0001880	0	0.39310E-07	377299.7	3747445.8	19.1	0.00	1.70	0.85	YES	
L0001881	0	0.39310E-07	377299.7	3747449.4	19.1	0.00	1.70	0.85	YES	
L0001882	0	0.39310E-07	377299.7	3747453.1	19.0	0.00	1.70	0.85	YES	
L0001883	0	0.39310E-07	377299.7	3747456.7	19.0	0.00	1.70	0.85	YES	
L0001884	0	0.39310E-07	377299.7	3747460.4	19.0	0.00	1.70	0.85	YES	
L0001885	0	0.39310E-07	377299.6	3747464.1	19.0	0.00	1.70	0.85	YES	



L0001923	0	0.39310E-07	377298.9	3747603.0	19.7	0.00	1.70	0.85	YES
L0001924	0	0.39310E-07	377298.9	3747606.7	19.7	0.00	1.70	0.85	YES
L0001925	0	0.39310E-07	377298.9	3747610.4	19.7	0.00	1.70	0.85	YES
L0001926	0	0.39310E-07	377298.9	3747614.0	19.8	0.00	1.70	0.85	YES
L0001927	0	0.39310E-07	377298.9	3747617.7	19.8	0.00	1.70	0.85	YES
L0001928	0	0.39310E-07	377298.8	3747621.3	19.8	0.00	1.70	0.85	YES
L0001929	0	0.39310E-07	377298.8	3747625.0	19.9	0.00	1.70	0.85	YES
L0001930	0	0.39310E-07	377298.8	3747628.7	19.9	0.00	1.70	0.85	YES
L0001931	0	0.39310E-07	377298.8	3747632.3	19.9	0.00	1.70	0.85	YES
L0001932	0	0.39310E-07	377298.8	3747636.0	19.9	0.00	1.70	0.85	YES
L0001933	0	0.39310E-07	377298.7	3747639.6	19.9	0.00	1.70	0.85	YES
L0001934	0	0.39310E-07	377298.7	3747643.3	20.0	0.00	1.70	0.85	YES
L0001935	0	0.39310E-07	377298.7	3747646.9	20.0	0.00	1.70	0.85	YES
L0001936	0	0.39310E-07	377298.7	3747650.6	20.0	0.00	1.70	0.85	YES
L0001937	0	0.39310E-07	377298.7	3747654.3	20.1	0.00	1.70	0.85	YES
L0001938	0	0.39310E-07	377298.7	3747657.9	20.1	0.00	1.70	0.85	YES
L0001939	0	0.39310E-07	377298.6	3747661.6	20.1	0.00	1.70	0.85	YES
L0001940	0	0.39310E-07	377298.6	3747665.2	20.1	0.00	1.70	0.85	YES
L0001941	0	0.39310E-07	377298.6	3747668.9	20.2	0.00	1.70	0.85	YES
L0001942	0	0.39310E-07	377298.6	3747672.5	20.2	0.00	1.70	0.85	YES
L0001943	0	0.39310E-07	377298.6	3747676.2	20.2	0.00	1.70	0.85	YES
L0001944	0	0.39310E-07	377298.5	3747679.9	20.2	0.00	1.70	0.85	YES
L0001945	0	0.39310E-07	377298.5	3747683.5	20.3	0.00	1.70	0.85	YES
L0001946	0	0.39310E-07	377298.5	3747687.2	20.3	0.00	1.70	0.85	YES
L0001947	0	0.39310E-07	377298.5	3747690.8	20.3	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure

\*\*\*      05/15/20  
 \*\*\*      07:52:35  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001948	0	0.39310E-07	377298.5	3747694.5	20.3	0.00	1.70	0.85	YES	
L0001949	0	0.39310E-07	377298.5	3747698.1	20.4	0.00	1.70	0.85	YES	
L0001950	0	0.39310E-07	377298.4	3747701.8	20.4	0.00	1.70	0.85	YES	
L0001951	0	0.39310E-07	377298.4	3747705.5	20.4	0.00	1.70	0.85	YES	
L0001952	0	0.39310E-07	377298.4	3747709.1	20.5	0.00	1.70	0.85	YES	
L0001953	0	0.39310E-07	377298.4	3747712.8	20.5	0.00	1.70	0.85	YES	
L0001954	0	0.39310E-07	377298.4	3747716.4	20.5	0.00	1.70	0.85	YES	
L0001955	0	0.39310E-07	377298.3	3747720.1	20.6	0.00	1.70	0.85	YES	
L0001956	0	0.39310E-07	377298.3	3747723.7	20.6	0.00	1.70	0.85	YES	
L0001957	0	0.39310E-07	377298.3	3747727.4	20.6	0.00	1.70	0.85	YES	
L0001958	0	0.39310E-07	377298.3	3747731.1	20.6	0.00	1.70	0.85	YES	
L0001959	0	0.39310E-07	377298.3	3747734.7	20.6	0.00	1.70	0.85	YES	

L0001960	0	0.39310E-07	377298.3	3747738.4	20.6	0.00	1.70	0.85	YES
L0001961	0	0.39310E-07	377298.2	3747742.0	20.7	0.00	1.70	0.85	YES
L0001962	0	0.39310E-07	377298.2	3747745.7	20.7	0.00	1.70	0.85	YES
L0001963	0	0.39310E-07	377298.2	3747749.4	20.7	0.00	1.70	0.85	YES
L0001964	0	0.39310E-07	377298.2	3747753.0	20.7	0.00	1.70	0.85	YES
L0001965	0	0.39310E-07	377298.2	3747756.7	20.7	0.00	1.70	0.85	YES
L0001966	0	0.39310E-07	377298.1	3747760.3	20.7	0.00	1.70	0.85	YES
L0001967	0	0.39310E-07	377298.1	3747764.0	20.7	0.00	1.70	0.85	YES
L0001968	0	0.39310E-07	377298.1	3747767.6	20.7	0.00	1.70	0.85	YES
L0001969	0	0.39310E-07	377298.1	3747771.3	20.7	0.00	1.70	0.85	YES
L0001970	0	0.39310E-07	377298.1	3747775.0	20.7	0.00	1.70	0.85	YES
L0001971	0	0.39310E-07	377298.0	3747778.6	20.7	0.00	1.70	0.85	YES
L0001972	0	0.39310E-07	377298.0	3747782.3	20.7	0.00	1.70	0.85	YES
L0001973	0	0.39310E-07	377298.0	3747785.9	20.7	0.00	1.70	0.85	YES
L0001974	0	0.39310E-07	377298.0	3747789.6	20.7	0.00	1.70	0.85	YES
L0001975	0	0.39310E-07	377298.0	3747793.2	20.6	0.00	1.70	0.85	YES
L0001976	0	0.39310E-07	377298.0	3747796.9	20.6	0.00	1.70	0.85	YES
L0001977	0	0.39310E-07	377297.9	3747800.6	20.6	0.00	1.70	0.85	YES
L0001978	0	0.39310E-07	377297.9	3747804.2	20.6	0.00	1.70	0.85	YES
L0001979	0	0.39310E-07	377297.9	3747807.9	20.6	0.00	1.70	0.85	YES
L0001980	0	0.39310E-07	377297.9	3747811.5	20.6	0.00	1.70	0.85	YES
L0001981	0	0.39310E-07	377297.9	3747815.2	20.5	0.00	1.70	0.85	YES
L0001982	0	0.39310E-07	377297.8	3747818.8	20.5	0.00	1.70	0.85	YES
L0001983	0	0.39310E-07	377297.8	3747822.5	20.5	0.00	1.70	0.85	YES
L0001984	0	0.39310E-07	377297.8	3747826.2	20.5	0.00	1.70	0.85	YES
L0001985	0	0.39310E-07	377297.8	3747829.8	20.5	0.00	1.70	0.85	YES
L0001986	0	0.39310E-07	377297.8	3747833.5	20.4	0.00	1.70	0.85	YES
L0001987	0	0.39310E-07	377297.8	3747837.1	20.4	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure

\*\*\*      05/15/20  
 \*\*\*      07:52:35  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001988	0	0.39310E-07	377297.7	3747840.8	20.4	0.00	1.70	0.85	YES	
L0001989	0	0.39310E-07	377297.7	3747844.4	20.4	0.00	1.70	0.85	YES	
L0002561	0	0.17330E-07	377157.2	3747245.3	18.2	0.00	1.70	0.85	YES	
L0002562	0	0.17330E-07	377159.0	3747248.5	18.1	0.00	1.70	0.85	YES	
L0002563	0	0.17330E-07	377160.9	3747251.7	18.1	0.00	1.70	0.85	YES	
L0002564	0	0.17330E-07	377162.7	3747254.9	18.1	0.00	1.70	0.85	YES	
L0002565	0	0.17330E-07	377164.5	3747258.0	18.1	0.00	1.70	0.85	YES	
L0002566	0	0.17330E-07	377166.3	3747261.2	18.1	0.00	1.70	0.85	YES	
L0002567	0	0.17330E-07	377168.1	3747264.4	18.0	0.00	1.70	0.85	YES	





L0002605	0	0.17330E-07	377236.6	3747385.3	18.4	0.00	1.70	0.85	YES
L0002606	0	0.17330E-07	377238.4	3747388.5	18.4	0.00	1.70	0.85	YES
L0002607	0	0.17330E-07	377240.1	3747391.8	18.4	0.00	1.70	0.85	YES
L0002608	0	0.17330E-07	377241.8	3747395.0	18.4	0.00	1.70	0.85	YES
L0002609	0	0.17330E-07	377243.6	3747398.2	18.4	0.00	1.70	0.85	YES
L0002610	0	0.17330E-07	377245.3	3747401.4	18.4	0.00	1.70	0.85	YES
L0002611	0	0.17330E-07	377247.0	3747404.6	18.4	0.00	1.70	0.85	YES
L0002612	0	0.17330E-07	377248.8	3747407.9	18.4	0.00	1.70	0.85	YES
L0002613	0	0.17330E-07	377250.5	3747411.1	18.4	0.00	1.70	0.85	YES
L0002614	0	0.17330E-07	377252.2	3747414.3	18.4	0.00	1.70	0.85	YES
L0002615	0	0.17330E-07	377254.0	3747417.5	18.4	0.00	1.70	0.85	YES
L0002616	0	0.17330E-07	377255.7	3747420.7	18.5	0.00	1.70	0.85	YES
L0002617	0	0.17330E-07	377257.5	3747423.9	18.5	0.00	1.70	0.85	YES
L0002618	0	0.17330E-07	377259.3	3747427.1	18.5	0.00	1.70	0.85	YES
L0002619	0	0.17330E-07	377261.2	3747430.3	18.6	0.00	1.70	0.85	YES
L0002620	0	0.17330E-07	377263.0	3747433.4	18.6	0.00	1.70	0.85	YES
L0002621	0	0.17330E-07	377264.8	3747436.6	18.6	0.00	1.70	0.85	YES
L0002622	0	0.17330E-07	377266.6	3747439.8	18.7	0.00	1.70	0.85	YES
L0002623	0	0.17330E-07	377268.4	3747443.0	18.7	0.00	1.70	0.85	YES
L0002624	0	0.17330E-07	377270.2	3747446.1	18.7	0.00	1.70	0.85	YES
L0002625	0	0.17330E-07	377272.0	3747449.3	18.7	0.00	1.70	0.85	YES
L0002626	0	0.17330E-07	377273.9	3747452.5	18.7	0.00	1.70	0.85	YES
L0002627	0	0.17330E-07	377275.7	3747455.7	18.7	0.00	1.70	0.85	YES
L0002628	0	0.17330E-07	377277.5	3747458.8	18.7	0.00	1.70	0.85	YES
L0002629	0	0.17330E-07	377279.3	3747462.0	18.7	0.00	1.70	0.85	YES
L0002630	0	0.17330E-07	377281.0	3747465.2	18.7	0.00	1.70	0.85	YES
L0002631	0	0.17330E-07	377282.7	3747468.5	18.7	0.00	1.70	0.85	YES
L0002632	0	0.17330E-07	377284.3	3747471.8	18.7	0.00	1.70	0.85	YES
L0002633	0	0.17330E-07	377285.9	3747475.1	18.8	0.00	1.70	0.85	YES
L0002634	0	0.17330E-07	377287.6	3747478.3	18.8	0.00	1.70	0.85	YES
L0002635	0	0.17330E-07	377289.2	3747481.6	18.9	0.00	1.70	0.85	YES
L0002140	0	0.28500E-07	377164.3	3747238.2	18.1	0.00	1.70	0.85	YES
L0002141	0	0.28500E-07	377168.0	3747238.2	18.1	0.00	1.70	0.85	YES
L0002142	0	0.28500E-07	377171.6	3747238.2	18.0	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure      \*\*\*      07:52:35  
 \*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      URBAN      ADJ\_U\*                PAGE 11

\*\*\* 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
L0002143	0	0.28500E-07	377175.3	3747238.2	18.0	0.00	1.70	0.85	YES	
L0002144	0	0.28500E-07	377179.0	3747238.2	18.0	0.00	1.70	0.85	YES	
L0002145	0	0.28500E-07	377182.6	3747238.2	18.0	0.00	1.70	0.85	YES	

L0002146	0	0.28500E-07	377186.3	3747238.3	18.0	0.00	1.70	0.85	YES
L0002147	0	0.28500E-07	377189.9	3747238.3	18.0	0.00	1.70	0.85	YES
L0002148	0	0.28500E-07	377193.6	3747238.3	18.0	0.00	1.70	0.85	YES
L0002149	0	0.28500E-07	377197.2	3747238.3	18.0	0.00	1.70	0.85	YES
L0002150	0	0.28500E-07	377200.9	3747238.3	18.0	0.00	1.70	0.85	YES
L0002151	0	0.28500E-07	377204.6	3747238.3	18.0	0.00	1.70	0.85	YES
L0002152	0	0.28500E-07	377208.2	3747238.3	18.0	0.00	1.70	0.85	YES
L0002153	0	0.28500E-07	377211.9	3747238.3	18.0	0.00	1.70	0.85	YES
L0002154	0	0.28500E-07	377215.5	3747238.4	17.9	0.00	1.70	0.85	YES
L0002155	0	0.28500E-07	377219.2	3747238.4	17.9	0.00	1.70	0.85	YES
L0002156	0	0.28500E-07	377222.8	3747238.4	17.9	0.00	1.70	0.85	YES
L0002157	0	0.28500E-07	377226.5	3747238.4	17.8	0.00	1.70	0.85	YES
L0002158	0	0.28500E-07	377230.2	3747238.4	17.8	0.00	1.70	0.85	YES
L0002159	0	0.28500E-07	377233.8	3747238.4	17.7	0.00	1.70	0.85	YES
L0002160	0	0.28500E-07	377237.5	3747238.4	17.7	0.00	1.70	0.85	YES
L0002161	0	0.28500E-07	377241.1	3747238.5	17.7	0.00	1.70	0.85	YES
L0002162	0	0.28500E-07	377244.8	3747238.5	17.7	0.00	1.70	0.85	YES
L0002163	0	0.28500E-07	377248.4	3747238.5	17.7	0.00	1.70	0.85	YES
L0002164	0	0.28500E-07	377252.1	3747238.5	17.7	0.00	1.70	0.85	YES
L0002165	0	0.28500E-07	377255.8	3747238.5	17.7	0.00	1.70	0.85	YES
L0002166	0	0.28500E-07	377259.4	3747238.5	17.7	0.00	1.70	0.85	YES
L0002167	0	0.28500E-07	377263.1	3747238.5	17.8	0.00	1.70	0.85	YES
L0002168	0	0.28500E-07	377266.7	3747238.6	17.8	0.00	1.70	0.85	YES
L0002169	0	0.28500E-07	377270.4	3747238.6	17.8	0.00	1.70	0.85	YES
L0002170	0	0.28500E-07	377274.0	3747238.6	17.8	0.00	1.70	0.85	YES
L0002171	0	0.28500E-07	377277.7	3747238.6	17.8	0.00	1.70	0.85	YES
L0002172	0	0.28500E-07	377281.4	3747238.6	17.8	0.00	1.70	0.85	YES
L0002173	0	0.28500E-07	377285.0	3747238.6	17.8	0.00	1.70	0.85	YES
L0002174	0	0.28500E-07	377288.7	3747238.6	17.8	0.00	1.70	0.85	YES
L0002175	0	0.28500E-07	377292.3	3747238.6	17.9	0.00	1.70	0.85	YES
L0002176	0	0.28500E-07	377296.0	3747238.7	17.9	0.00	1.70	0.85	YES
L0002177	0	0.28500E-07	377299.6	3747238.7	17.9	0.00	1.70	0.85	YES
L0002178	0	0.28500E-07	377303.3	3747238.7	18.0	0.00	1.70	0.85	YES
L0002179	0	0.28500E-07	377307.0	3747238.7	18.0	0.00	1.70	0.85	YES
L0002180	0	0.28500E-07	377310.6	3747238.7	18.1	0.00	1.70	0.85	YES
L0002181	0	0.28500E-07	377314.3	3747238.7	18.1	0.00	1.70	0.85	YES
L0002182	0	0.28500E-07	377317.9	3747238.7	18.1	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure

\*\*\* 05/15/20  
 \*\*\* 07:52:35  
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\*\*\* MODELOPTs:      RegDFault CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
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L0002183	0	0.28500E-07	377321.6	3747238.8	18.2	0.00	1.70	0.85	YES
L0002184	0	0.28500E-07	377325.3	3747238.8	18.2	0.00	1.70	0.85	YES
L0002185	0	0.28500E-07	377328.9	3747238.8	18.3	0.00	1.70	0.85	YES
L0002186	0	0.28500E-07	377332.6	3747238.8	18.3	0.00	1.70	0.85	YES
L0002187	0	0.28500E-07	377336.2	3747238.8	18.4	0.00	1.70	0.85	YES
L0002188	0	0.28500E-07	377339.9	3747238.8	18.4	0.00	1.70	0.85	YES
L0002189	0	0.28500E-07	377343.5	3747238.8	18.4	0.00	1.70	0.85	YES
L0002190	0	0.28500E-07	377347.2	3747238.9	18.5	0.00	1.70	0.85	YES
L0002191	0	0.28500E-07	377350.9	3747238.9	18.5	0.00	1.70	0.85	YES
L0002192	0	0.28500E-07	377354.5	3747238.9	18.6	0.00	1.70	0.85	YES
L0002193	0	0.28500E-07	377358.2	3747238.9	18.6	0.00	1.70	0.85	YES
L0002194	0	0.28500E-07	377361.8	3747238.9	18.6	0.00	1.70	0.85	YES
L0002195	0	0.28500E-07	377365.5	3747238.9	18.7	0.00	1.70	0.85	YES
L0002196	0	0.28500E-07	377369.1	3747238.9	18.7	0.00	1.70	0.85	YES
L0002197	0	0.28500E-07	377372.8	3747238.9	18.8	0.00	1.70	0.85	YES
L0002198	0	0.28500E-07	377376.5	3747239.0	18.8	0.00	1.70	0.85	YES
L0002199	0	0.28500E-07	377380.1	3747239.0	18.8	0.00	1.70	0.85	YES
L0002200	0	0.28500E-07	377383.8	3747239.0	18.8	0.00	1.70	0.85	YES
L0002201	0	0.28500E-07	377387.4	3747239.0	18.9	0.00	1.70	0.85	YES
L0002202	0	0.28500E-07	377391.1	3747239.0	18.9	0.00	1.70	0.85	YES
L0002203	0	0.28500E-07	377394.7	3747239.0	18.9	0.00	1.70	0.85	YES
L0002204	0	0.28500E-07	377398.4	3747239.0	19.0	0.00	1.70	0.85	YES
L0002205	0	0.28500E-07	377402.1	3747239.1	19.0	0.00	1.70	0.85	YES
L0002206	0	0.28500E-07	377405.7	3747239.1	19.1	0.00	1.70	0.85	YES
L0002207	0	0.28500E-07	377409.4	3747239.1	19.2	0.00	1.70	0.85	YES
L0002208	0	0.28500E-07	377413.0	3747239.1	19.2	0.00	1.70	0.85	YES
L0002209	0	0.28500E-07	377416.7	3747239.1	19.3	0.00	1.70	0.85	YES
L0002210	0	0.28500E-07	377420.3	3747239.1	19.3	0.00	1.70	0.85	YES
L0002211	0	0.28500E-07	377424.0	3747239.1	19.4	0.00	1.70	0.85	YES
L0002212	0	0.28500E-07	377427.7	3747239.2	19.4	0.00	1.70	0.85	YES
L0002213	0	0.28500E-07	377431.3	3747239.2	19.4	0.00	1.70	0.85	YES
L0002214	0	0.28500E-07	377435.0	3747239.2	19.5	0.00	1.70	0.85	YES
L0002215	0	0.28500E-07	377438.6	3747239.2	19.5	0.00	1.70	0.85	YES
L0002216	0	0.28500E-07	377442.3	3747239.2	19.5	0.00	1.70	0.85	YES
L0002217	0	0.28500E-07	377446.0	3747239.2	19.6	0.00	1.70	0.85	YES
L0002218	0	0.28500E-07	377449.6	3747239.2	19.6	0.00	1.70	0.85	YES
L0002219	0	0.28500E-07	377453.3	3747239.3	19.7	0.00	1.70	0.85	YES
L0002220	0	0.28500E-07	377456.9	3747239.3	19.7	0.00	1.70	0.85	YES
L0002221	0	0.28500E-07	377460.6	3747239.3	19.7	0.00	1.70	0.85	YES
L0002222	0	0.28500E-07	377464.2	3747239.3	19.7	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure

\*\*\* 05/15/20  
 \*\*\* 07:52:35  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE	NUMBER PART.	EMISSION RATE (GRAMS/SEC)	X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR	VARY
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ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0002223	0	0.28500E-07	377467.9	3747239.3	19.8	0.00	1.70	0.85	YES
L0002224	0	0.28500E-07	377471.6	3747239.3	19.8	0.00	1.70	0.85	YES
L0002225	0	0.28500E-07	377475.2	3747239.3	19.8	0.00	1.70	0.85	YES
L0002226	0	0.28500E-07	377478.9	3747239.3	19.8	0.00	1.70	0.85	YES
L0002227	0	0.28500E-07	377482.5	3747239.4	19.8	0.00	1.70	0.85	YES
L0002228	0	0.28500E-07	377486.2	3747239.4	19.8	0.00	1.70	0.85	YES
L0002229	0	0.28500E-07	377489.8	3747239.4	19.8	0.00	1.70	0.85	YES
L0002230	0	0.28500E-07	377493.5	3747239.4	19.8	0.00	1.70	0.85	YES
L0002231	0	0.28500E-07	377497.2	3747239.4	19.8	0.00	1.70	0.85	YES
L0002232	0	0.28500E-07	377500.8	3747239.4	19.8	0.00	1.70	0.85	YES
L0002233	0	0.28500E-07	377504.5	3747239.4	19.7	0.00	1.70	0.85	YES
L0002234	0	0.28500E-07	377508.1	3747239.5	19.7	0.00	1.70	0.85	YES
L0002235	0	0.28500E-07	377511.8	3747239.5	19.7	0.00	1.70	0.85	YES
L0002236	0	0.28500E-07	377515.4	3747239.5	19.7	0.00	1.70	0.85	YES
L0002237	0	0.28500E-07	377519.1	3747239.5	19.7	0.00	1.70	0.85	YES
L0002238	0	0.28500E-07	377522.8	3747239.5	19.6	0.00	1.70	0.85	YES
L0002239	0	0.28500E-07	377526.4	3747239.5	19.6	0.00	1.70	0.85	YES
L0002240	0	0.28500E-07	377530.1	3747239.5	19.6	0.00	1.70	0.85	YES
L0002241	0	0.28500E-07	377533.7	3747239.6	19.6	0.00	1.70	0.85	YES
L0002242	0	0.28500E-07	377537.4	3747239.6	19.6	0.00	1.70	0.85	YES
L0002243	0	0.28500E-07	377541.0	3747239.6	19.5	0.00	1.70	0.85	YES
L0002244	0	0.28500E-07	377544.7	3747239.6	19.5	0.00	1.70	0.85	YES
L0002245	0	0.28500E-07	377548.4	3747239.6	19.5	0.00	1.70	0.85	YES
L0002246	0	0.28500E-07	377552.0	3747239.6	19.5	0.00	1.70	0.85	YES
L0002247	0	0.28500E-07	377555.7	3747239.6	19.5	0.00	1.70	0.85	YES
L0002248	0	0.28500E-07	377559.3	3747239.6	19.5	0.00	1.70	0.85	YES
L0002249	0	0.28500E-07	377563.0	3747239.7	19.5	0.00	1.70	0.85	YES
L0002250	0	0.28500E-07	377566.7	3747239.7	19.4	0.00	1.70	0.85	YES
L0002251	0	0.28500E-07	377570.3	3747239.7	19.4	0.00	1.70	0.85	YES
L0002252	0	0.28500E-07	377574.0	3747239.7	19.4	0.00	1.70	0.85	YES
L0002253	0	0.28500E-07	377577.6	3747239.7	19.4	0.00	1.70	0.85	YES
L0002254	0	0.28500E-07	377581.3	3747239.7	19.4	0.00	1.70	0.85	YES
L0002255	0	0.28500E-07	377584.9	3747239.7	19.3	0.00	1.70	0.85	YES
L0002256	0	0.28500E-07	377588.6	3747239.8	19.3	0.00	1.70	0.85	YES
L0002257	0	0.28500E-07	377592.3	3747239.8	19.3	0.00	1.70	0.85	YES
L0002258	0	0.28500E-07	377595.9	3747239.8	19.2	0.00	1.70	0.85	YES
L0002259	0	0.28500E-07	377599.6	3747239.8	19.2	0.00	1.70	0.85	YES
L0002260	0	0.28500E-07	377603.2	3747239.8	19.2	0.00	1.70	0.85	YES
L0002261	0	0.28500E-07	377606.9	3747239.8	19.2	0.00	1.70	0.85	YES
L0002262	0	0.28500E-07	377610.5	3747239.8	19.2	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*     \*\*\* 190th St Warehouse 2025-2039  
 \*\*\* AERMET - VERSION 16216 \*\*\*     \*\*\* DPM concentrations first 14YR Exposure  
 \*\*\* MODELOPTs:    RegDEFAULT CONC    ELEV    URBAN    ADJ\_U\*

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\*\*\* 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
L0002263	0	0.28500E-07	377614.2	3747239.9	19.2	0.00	1.70	0.85	YES	
L0002264	0	0.28500E-07	377617.9	3747239.9	19.2	0.00	1.70	0.85	YES	
L0002265	0	0.28500E-07	377621.5	3747239.9	19.2	0.00	1.70	0.85	YES	
L0002266	0	0.28500E-07	377625.2	3747239.9	19.1	0.00	1.70	0.85	YES	
L0002267	0	0.28500E-07	377628.8	3747239.9	19.1	0.00	1.70	0.85	YES	
L0002268	0	0.28500E-07	377632.5	3747239.9	19.1	0.00	1.70	0.85	YES	
L0002269	0	0.28500E-07	377636.1	3747239.9	19.1	0.00	1.70	0.85	YES	
L0002270	0	0.28500E-07	377639.8	3747239.9	19.1	0.00	1.70	0.85	YES	
L0002271	0	0.28500E-07	377643.5	3747240.0	19.0	0.00	1.70	0.85	YES	
L0002272	0	0.28500E-07	377647.1	3747240.0	19.0	0.00	1.70	0.85	YES	
L0002273	0	0.28500E-07	377650.8	3747240.0	19.0	0.00	1.70	0.85	YES	
L0002274	0	0.28500E-07	377654.4	3747240.0	19.0	0.00	1.70	0.85	YES	
L0002275	0	0.28500E-07	377658.1	3747240.0	18.9	0.00	1.70	0.85	YES	
L0002276	0	0.28500E-07	377661.7	3747240.0	18.9	0.00	1.70	0.85	YES	
L0002277	0	0.28500E-07	377665.4	3747240.0	18.9	0.00	1.70	0.85	YES	
L0002278	0	0.28500E-07	377669.1	3747240.1	18.9	0.00	1.70	0.85	YES	
L0002279	0	0.28500E-07	377672.7	3747240.1	18.8	0.00	1.70	0.85	YES	
L0002280	0	0.28500E-07	377676.4	3747240.1	18.8	0.00	1.70	0.85	YES	
L0002281	0	0.28500E-07	377680.0	3747240.1	18.8	0.00	1.70	0.85	YES	
L0002282	0	0.28500E-07	377683.7	3747240.1	18.8	0.00	1.70	0.85	YES	
L0002283	0	0.28500E-07	377687.4	3747240.1	18.8	0.00	1.70	0.85	YES	
L0002284	0	0.28500E-07	377691.0	3747240.1	18.7	0.00	1.70	0.85	YES	
L0002285	0	0.28500E-07	377694.7	3747240.2	18.7	0.00	1.70	0.85	YES	
L0002286	0	0.28500E-07	377698.3	3747240.2	18.7	0.00	1.70	0.85	YES	
L0002287	0	0.28500E-07	377702.0	3747240.2	18.7	0.00	1.70	0.85	YES	
L0002288	0	0.28500E-07	377705.6	3747240.2	18.7	0.00	1.70	0.85	YES	
L0002289	0	0.28500E-07	377709.3	3747240.2	18.7	0.00	1.70	0.85	YES	
L0002290	0	0.28500E-07	377713.0	3747240.2	18.6	0.00	1.70	0.85	YES	
L0002291	0	0.28500E-07	377716.6	3747240.2	18.6	0.00	1.70	0.85	YES	
L0002292	0	0.28500E-07	377720.3	3747240.2	18.6	0.00	1.70	0.85	YES	
L0002293	0	0.28500E-07	377723.9	3747240.3	18.6	0.00	1.70	0.85	YES	
L0002294	0	0.28500E-07	377727.6	3747240.3	18.5	0.00	1.70	0.85	YES	
L0002295	0	0.28500E-07	377731.2	3747240.3	18.5	0.00	1.70	0.85	YES	
L0002296	0	0.28500E-07	377734.9	3747240.3	18.5	0.00	1.70	0.85	YES	
L0002297	0	0.28500E-07	377738.6	3747240.3	18.5	0.00	1.70	0.85	YES	
L0002298	0	0.28500E-07	377742.2	3747240.3	18.4	0.00	1.70	0.85	YES	
L0002299	0	0.28500E-07	377745.9	3747240.3	18.4	0.00	1.70	0.85	YES	
L0002300	0	0.28500E-07	377749.5	3747240.4	18.4	0.00	1.70	0.85	YES	
L0002301	0	0.28500E-07	377753.2	3747240.4	18.4	0.00	1.70	0.85	YES	
L0002302	0	0.28500E-07	377756.8	3747240.4	18.3	0.00	1.70	0.85	YES	

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039  
\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure  
\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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\*\*\* 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
L0002303	0	0.28500E-07	377760.5	3747240.4	18.3	0.00	1.70	0.85	YES	
L0002304	0	0.28500E-07	377764.2	3747240.4	18.3	0.00	1.70	0.85	YES	
L0002305	0	0.28500E-07	377767.8	3747240.4	18.3	0.00	1.70	0.85	YES	
L0002306	0	0.28500E-07	377771.5	3747240.4	18.2	0.00	1.70	0.85	YES	
L0002307	0	0.28500E-07	377775.1	3747240.5	18.2	0.00	1.70	0.85	YES	
L0002308	0	0.28500E-07	377778.8	3747240.5	18.2	0.00	1.70	0.85	YES	
L0002309	0	0.28500E-07	377782.4	3747240.5	18.2	0.00	1.70	0.85	YES	
L0002310	0	0.28500E-07	377786.1	3747240.5	18.2	0.00	1.70	0.85	YES	
L0002311	0	0.28500E-07	377789.8	3747240.5	18.2	0.00	1.70	0.85	YES	
L0002312	0	0.28500E-07	377793.4	3747240.5	18.2	0.00	1.70	0.85	YES	
L0002313	0	0.28500E-07	377797.1	3747240.5	18.2	0.00	1.70	0.85	YES	
L0002314	0	0.28500E-07	377800.7	3747240.5	18.2	0.00	1.70	0.85	YES	
L0002315	0	0.28500E-07	377804.4	3747240.6	18.2	0.00	1.70	0.85	YES	
L0002316	0	0.28500E-07	377808.1	3747240.6	18.2	0.00	1.70	0.85	YES	
L0002317	0	0.28500E-07	377811.7	3747240.6	18.2	0.00	1.70	0.85	YES	
L0002318	0	0.28500E-07	377815.4	3747240.6	18.2	0.00	1.70	0.85	YES	
L0002319	0	0.28500E-07	377819.0	3747240.6	18.3	0.00	1.70	0.85	YES	
L0002320	0	0.28500E-07	377822.7	3747240.6	18.3	0.00	1.70	0.85	YES	
L0002321	0	0.28500E-07	377826.3	3747240.6	18.3	0.00	1.70	0.85	YES	
L0002322	0	0.28500E-07	377830.0	3747240.7	18.3	0.00	1.70	0.85	YES	
L0002323	0	0.28500E-07	377833.7	3747240.7	18.3	0.00	1.70	0.85	YES	
L0002324	0	0.28500E-07	377837.3	3747240.7	18.3	0.00	1.70	0.85	YES	
L0002325	0	0.28500E-07	377841.0	3747240.7	18.3	0.00	1.70	0.85	YES	
L0002326	0	0.28500E-07	377844.6	3747240.7	18.3	0.00	1.70	0.85	YES	
L0002327	0	0.28500E-07	377848.3	3747240.7	18.3	0.00	1.70	0.85	YES	
L0002328	0	0.28500E-07	377851.9	3747240.7	18.3	0.00	1.70	0.85	YES	
L0002329	0	0.28500E-07	377855.6	3747240.8	18.3	0.00	1.70	0.85	YES	
L0002330	0	0.28500E-07	377859.3	3747240.8	18.3	0.00	1.70	0.85	YES	
L0002331	0	0.28500E-07	377862.9	3747240.8	18.3	0.00	1.70	0.85	YES	
L0002332	0	0.28500E-07	377866.6	3747240.8	18.4	0.00	1.70	0.85	YES	
L0002333	0	0.28500E-07	377870.2	3747240.8	18.4	0.00	1.70	0.85	YES	
L0002334	0	0.28500E-07	377873.9	3747240.8	18.4	0.00	1.70	0.85	YES	
L0002335	0	0.28500E-07	377877.5	3747240.8	18.4	0.00	1.70	0.85	YES	
L0002336	0	0.28500E-07	377881.2	3747240.9	18.5	0.00	1.70	0.85	YES	
L0002337	0	0.28500E-07	377884.9	3747240.9	18.5	0.00	1.70	0.85	YES	
L0002338	0	0.28500E-07	377888.5	3747240.9	18.5	0.00	1.70	0.85	YES	
L0002339	0	0.28500E-07	377892.2	3747240.9	18.5	0.00	1.70	0.85	YES	
L0002340	0	0.28500E-07	377895.8	3747240.9	18.6	0.00	1.70	0.85	YES	
L0002341	0	0.28500E-07	377899.5	3747240.9	18.6	0.00	1.70	0.85	YES	
L0002342	0	0.28500E-07	377903.1	3747240.9	18.6	0.00	1.70	0.85	YES	

\*\*\* AERMOD - VERSION 19191 \*\*\*

\*\*\* 190th St Warehouse 2025-2039

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05/15/20

\*\*\* 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
L0002343	0	0.28500E-07	377906.8	3747240.9	18.6	0.00	1.70	0.85	YES	
L0002344	0	0.28500E-07	377910.5	3747241.0	18.7	0.00	1.70	0.85	YES	
L0002345	0	0.28500E-07	377914.1	3747241.0	18.7	0.00	1.70	0.85	YES	
L0002346	0	0.28500E-07	377917.8	3747241.0	18.7	0.00	1.70	0.85	YES	
L0002347	0	0.28500E-07	377921.4	3747241.0	18.7	0.00	1.70	0.85	YES	
L0002348	0	0.28500E-07	377925.1	3747241.0	18.8	0.00	1.70	0.85	YES	
L0002349	0	0.28500E-07	377928.8	3747241.0	18.8	0.00	1.70	0.85	YES	
L0002350	0	0.28500E-07	377932.4	3747241.0	18.8	0.00	1.70	0.85	YES	
L0002351	0	0.28500E-07	377936.1	3747241.1	18.9	0.00	1.70	0.85	YES	
L0002352	0	0.28500E-07	377939.7	3747241.1	18.9	0.00	1.70	0.85	YES	
L0002353	0	0.28500E-07	377943.4	3747241.1	18.9	0.00	1.70	0.85	YES	
L0002354	0	0.28500E-07	377947.0	3747241.1	19.0	0.00	1.70	0.85	YES	
L0002355	0	0.28500E-07	377950.7	3747241.1	19.1	0.00	1.70	0.85	YES	
L0002356	0	0.28500E-07	377954.4	3747241.1	19.1	0.00	1.70	0.85	YES	
L0002357	0	0.28500E-07	377958.0	3747241.1	19.2	0.00	1.70	0.85	YES	
L0002358	0	0.28500E-07	377961.7	3747241.2	19.2	0.00	1.70	0.85	YES	
L0002359	0	0.28500E-07	377965.3	3747241.2	19.2	0.00	1.70	0.85	YES	
L0002360	0	0.28500E-07	377969.0	3747241.2	19.2	0.00	1.70	0.85	YES	
L0002361	0	0.28500E-07	377972.6	3747241.2	19.2	0.00	1.70	0.85	YES	
L0002362	0	0.28500E-07	377976.3	3747241.2	19.2	0.00	1.70	0.85	YES	
L0002363	0	0.28500E-07	377980.0	3747241.2	19.2	0.00	1.70	0.85	YES	
L0002364	0	0.28500E-07	377983.6	3747241.2	19.2	0.00	1.70	0.85	YES	
L0002365	0	0.28500E-07	377987.3	3747241.2	19.2	0.00	1.70	0.85	YES	
L0002366	0	0.28500E-07	377990.9	3747241.3	19.2	0.00	1.70	0.85	YES	
L0002367	0	0.28500E-07	377994.6	3747241.3	19.2	0.00	1.70	0.85	YES	
L0002368	0	0.28500E-07	377998.2	3747241.3	19.2	0.00	1.70	0.85	YES	
L0002369	0	0.28500E-07	378001.9	3747241.3	19.2	0.00	1.70	0.85	YES	
L0002370	0	0.28500E-07	378005.6	3747241.3	19.2	0.00	1.70	0.85	YES	
L0002371	0	0.28500E-07	378009.2	3747241.3	19.3	0.00	1.70	0.85	YES	
L0002372	0	0.28500E-07	378012.9	3747241.3	19.3	0.00	1.70	0.85	YES	
L0002373	0	0.28500E-07	378016.5	3747241.4	19.3	0.00	1.70	0.85	YES	
L0002374	0	0.28500E-07	378020.2	3747241.4	19.3	0.00	1.70	0.85	YES	
L0002375	0	0.28500E-07	378023.8	3747241.4	19.3	0.00	1.70	0.85	YES	
L0002376	0	0.28500E-07	378027.5	3747241.4	19.3	0.00	1.70	0.85	YES	
L0002377	0	0.28500E-07	378031.2	3747241.4	19.4	0.00	1.70	0.85	YES	
L0002378	0	0.28500E-07	378034.8	3747241.4	19.4	0.00	1.70	0.85	YES	
L0002379	0	0.28500E-07	378038.5	3747241.4	19.4	0.00	1.70	0.85	YES	
L0002380	0	0.28500E-07	378042.1	3747241.5	19.4	0.00	1.70	0.85	YES	
L0002381	0	0.28500E-07	378045.8	3747241.5	19.5	0.00	1.70	0.85	YES	

L0002382 0 0.28500E-07 378049.5 3747241.5 19.5 0.00 1.70 0.85 YES

\*\*\* AERMOD - VERSION 19191 \*\*\* 190th St Warehouse 2025-2039  
\*\*\* AERMET - VERSION 16216 \*\*\* DPM concentrations first 14YR Exposure

\*\*\* 05/15/20  
\*\*\* 07:52:35  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002383	0	0.28500E-07	378053.1	3747241.5	19.6	0.00	1.70	0.85	YES	
L0002384	0	0.28500E-07	378056.8	3747241.5	19.6	0.00	1.70	0.85	YES	
L0002385	0	0.28500E-07	378060.4	3747241.5	19.7	0.00	1.70	0.85	YES	
L0002386	0	0.28500E-07	378064.1	3747241.5	19.7	0.00	1.70	0.85	YES	
L0002387	0	0.28500E-07	378067.7	3747241.5	19.7	0.00	1.70	0.85	YES	
L0002388	0	0.28500E-07	378071.4	3747241.6	19.7	0.00	1.70	0.85	YES	
L0002389	0	0.28500E-07	378075.1	3747241.6	19.7	0.00	1.70	0.85	YES	
L0002390	0	0.28500E-07	378078.7	3747241.6	19.7	0.00	1.70	0.85	YES	
L0002391	0	0.28500E-07	378082.4	3747241.6	19.7	0.00	1.70	0.85	YES	
L0002392	0	0.28500E-07	378086.0	3747241.6	19.7	0.00	1.70	0.85	YES	
L0002393	0	0.28500E-07	378089.7	3747241.6	19.7	0.00	1.70	0.85	YES	
L0002394	0	0.28500E-07	378093.3	3747241.6	19.8	0.00	1.70	0.85	YES	
L0002395	0	0.28500E-07	378097.0	3747241.7	19.8	0.00	1.70	0.85	YES	
L0002396	0	0.28500E-07	378100.7	3747241.7	19.8	0.00	1.70	0.85	YES	
L0002397	0	0.28500E-07	378104.3	3747241.7	19.8	0.00	1.70	0.85	YES	
L0002398	0	0.28500E-07	378108.0	3747241.7	19.9	0.00	1.70	0.85	YES	
L0002399	0	0.28500E-07	378111.6	3747241.7	19.9	0.00	1.70	0.85	YES	
L0002400	0	0.28500E-07	378115.3	3747241.7	19.9	0.00	1.70	0.85	YES	
L0002401	0	0.28500E-07	378118.9	3747241.7	19.9	0.00	1.70	0.85	YES	
L0002402	0	0.28500E-07	378122.6	3747241.8	19.9	0.00	1.70	0.85	YES	
L0002403	0	0.28500E-07	378126.3	3747241.8	19.9	0.00	1.70	0.85	YES	
L0002404	0	0.28500E-07	378129.9	3747241.8	19.9	0.00	1.70	0.85	YES	
L0002405	0	0.28500E-07	378133.6	3747241.8	19.9	0.00	1.70	0.85	YES	
L0002406	0	0.28500E-07	378137.2	3747241.8	19.9	0.00	1.70	0.85	YES	
L0002407	0	0.28500E-07	378140.9	3747241.8	19.9	0.00	1.70	0.85	YES	
L0002408	0	0.28500E-07	378144.5	3747241.8	19.9	0.00	1.70	0.85	YES	
L0002409	0	0.28500E-07	378148.2	3747241.8	19.9	0.00	1.70	0.85	YES	
L0002410	0	0.28500E-07	378151.9	3747241.9	19.9	0.00	1.70	0.85	YES	
L0002411	0	0.28500E-07	378155.5	3747241.9	19.9	0.00	1.70	0.85	YES	
L0002412	0	0.28500E-07	378159.2	3747241.9	19.9	0.00	1.70	0.85	YES	
L0002413	0	0.28500E-07	378162.8	3747241.9	19.9	0.00	1.70	0.85	YES	
L0002414	0	0.28500E-07	378166.5	3747241.9	19.9	0.00	1.70	0.85	YES	
L0002415	0	0.28500E-07	378170.2	3747241.9	19.8	0.00	1.70	0.85	YES	
L0002416	0	0.28500E-07	378173.8	3747241.9	19.8	0.00	1.70	0.85	YES	
L0002417	0	0.28500E-07	378177.5	3747242.0	19.8	0.00	1.70	0.85	YES	
L0002418	0	0.28500E-07	378181.1	3747242.0	19.7	0.00	1.70	0.85	YES	



L0002419	0	0.28500E-07	378184.8	3747242.0	19.7	0.00	1.70	0.85	YES
L0002420	0	0.28500E-07	378188.4	3747242.0	19.7	0.00	1.70	0.85	YES
L0002421	0	0.28500E-07	378192.1	3747242.0	19.6	0.00	1.70	0.85	YES
L0002422	0	0.28500E-07	378195.8	3747242.0	19.7	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure

\*\*\*      05/15/20  
 \*\*\*      07:52:35  
 \*\*\*      PAGE 18

\*\*\* 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
L0002423	0	0.28500E-07	378199.4	3747242.0	19.7	0.00	1.70	0.85	YES	
L0002424	0	0.28500E-07	378203.1	3747242.1	19.7	0.00	1.70	0.85	YES	
L0002425	0	0.28500E-07	378206.7	3747242.1	19.7	0.00	1.70	0.85	YES	
L0002426	0	0.28500E-07	378210.4	3747242.1	19.7	0.00	1.70	0.85	YES	
L0002427	0	0.28500E-07	378214.0	3747242.1	19.7	0.00	1.70	0.85	YES	
L0002428	0	0.28500E-07	378217.7	3747242.1	19.7	0.00	1.70	0.85	YES	
L0002429	0	0.28500E-07	378221.4	3747242.1	19.7	0.00	1.70	0.85	YES	
L0002430	0	0.28500E-07	378225.0	3747242.1	19.7	0.00	1.70	0.85	YES	
L0002431	0	0.28500E-07	378228.7	3747242.1	19.7	0.00	1.70	0.85	YES	
L0002432	0	0.28500E-07	378232.3	3747242.2	19.7	0.00	1.70	0.85	YES	
L0002433	0	0.28500E-07	378236.0	3747242.2	19.7	0.00	1.70	0.85	YES	
L0002434	0	0.28500E-07	378239.6	3747242.2	19.7	0.00	1.70	0.85	YES	
L0002435	0	0.28500E-07	378243.3	3747242.2	19.6	0.00	1.70	0.85	YES	
L0002436	0	0.28500E-07	378247.0	3747242.2	19.6	0.00	1.70	0.85	YES	
L0002437	0	0.28500E-07	378250.6	3747242.2	19.5	0.00	1.70	0.85	YES	
L0002438	0	0.28500E-07	378254.3	3747242.2	19.5	0.00	1.70	0.85	YES	
L0002439	0	0.28500E-07	378257.9	3747242.3	19.4	0.00	1.70	0.85	YES	
L0002440	0	0.28500E-07	378261.6	3747242.3	19.4	0.00	1.70	0.85	YES	
L0002441	0	0.28500E-07	378265.2	3747242.3	19.4	0.00	1.70	0.85	YES	
L0002442	0	0.28500E-07	378268.9	3747242.3	19.3	0.00	1.70	0.85	YES	
L0002443	0	0.28500E-07	378272.6	3747242.3	19.3	0.00	1.70	0.85	YES	
L0002444	0	0.28500E-07	378276.2	3747242.3	19.4	0.00	1.70	0.85	YES	
L0002445	0	0.28500E-07	378279.9	3747242.3	19.4	0.00	1.70	0.85	YES	
L0002446	0	0.28500E-07	378283.5	3747242.4	19.4	0.00	1.70	0.85	YES	
L0002447	0	0.28500E-07	378287.2	3747242.4	19.4	0.00	1.70	0.85	YES	
L0002448	0	0.28500E-07	378290.9	3747242.4	19.4	0.00	1.70	0.85	YES	
L0002449	0	0.28500E-07	378294.5	3747242.4	19.4	0.00	1.70	0.85	YES	
L0002450	0	0.28500E-07	378298.2	3747242.4	19.4	0.00	1.70	0.85	YES	
L0002451	0	0.28500E-07	378301.8	3747242.4	19.4	0.00	1.70	0.85	YES	
L0002452	0	0.28500E-07	378305.5	3747242.4	19.4	0.00	1.70	0.85	YES	
L0002453	0	0.28500E-07	378309.1	3747242.5	19.4	0.00	1.70	0.85	YES	
L0002454	0	0.28500E-07	378312.8	3747242.5	19.4	0.00	1.70	0.85	YES	
L0002455	0	0.28500E-07	378316.5	3747242.5	19.4	0.00	1.70	0.85	YES	





L0002530	0	0.28500E-07	378590.8	3747243.5	18.6	0.00	1.70	0.85	YES
L0002531	0	0.28500E-07	378594.4	3747243.5	18.7	0.00	1.70	0.85	YES
L0002532	0	0.28500E-07	378598.1	3747243.5	18.7	0.00	1.70	0.85	YES
L0002533	0	0.28500E-07	378601.7	3747243.5	18.7	0.00	1.70	0.85	YES
L0002534	0	0.28500E-07	378605.4	3747243.6	18.7	0.00	1.70	0.85	YES
L0002535	0	0.28500E-07	378609.1	3747243.6	18.7	0.00	1.70	0.85	YES
L0002536	0	0.28500E-07	378612.7	3747243.6	18.7	0.00	1.70	0.85	YES
L0002537	0	0.28500E-07	378616.4	3747243.6	18.7	0.00	1.70	0.85	YES
L0002538	0	0.28500E-07	378620.0	3747243.6	18.7	0.00	1.70	0.85	YES
L0002539	0	0.28500E-07	378623.7	3747243.6	18.7	0.00	1.70	0.85	YES
L0002540	0	0.28500E-07	378627.3	3747243.6	18.7	0.00	1.70	0.85	YES
L0002541	0	0.28500E-07	378631.0	3747243.7	18.7	0.00	1.70	0.85	YES
L0002542	0	0.28500E-07	378634.7	3747243.7	18.7	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure      \*\*\*      07:52:35  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002543	0	0.28500E-07	378638.3	3747243.7	18.6	0.00	1.70	0.85	YES	
L0002544	0	0.28500E-07	378642.0	3747243.7	18.6	0.00	1.70	0.85	YES	
L0002545	0	0.28500E-07	378645.6	3747243.7	18.6	0.00	1.70	0.85	YES	
L0002546	0	0.28500E-07	378649.3	3747243.7	18.6	0.00	1.70	0.85	YES	
L0002547	0	0.28500E-07	378653.0	3747243.7	18.5	0.00	1.70	0.85	YES	
L0002548	0	0.28500E-07	378656.6	3747243.8	18.5	0.00	1.70	0.85	YES	
L0002549	0	0.28500E-07	378660.3	3747243.8	18.5	0.00	1.70	0.85	YES	
L0002550	0	0.28500E-07	378663.9	3747243.8	18.4	0.00	1.70	0.85	YES	
L0002551	0	0.28500E-07	378667.6	3747243.8	18.4	0.00	1.70	0.85	YES	
L0002552	0	0.28500E-07	378671.2	3747243.8	18.4	0.00	1.70	0.85	YES	
L0002553	0	0.28500E-07	378674.9	3747243.8	18.4	0.00	1.70	0.85	YES	
L0002554	0	0.28500E-07	378678.6	3747243.8	18.3	0.00	1.70	0.85	YES	
L0002555	0	0.28500E-07	378682.2	3747243.8	18.3	0.00	1.70	0.85	YES	
L0002556	0	0.28500E-07	378685.9	3747243.9	18.3	0.00	1.70	0.85	YES	
L0002557	0	0.28500E-07	378689.5	3747243.9	18.4	0.00	1.70	0.85	YES	
L0002558	0	0.28500E-07	378693.2	3747243.9	18.4	0.00	1.70	0.85	YES	
L0002559	0	0.28500E-07	378696.8	3747243.9	18.4	0.00	1.70	0.85	YES	
L0002560	0	0.28500E-07	378700.5	3747243.9	18.4	0.00	1.70	0.85	YES	

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure      \*\*\*      07:52:35  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SRCGROUP ID -----	SOURCE IDs -----								
ALL	STCK1	, STCK2	, STCK3	, STCK4	, STCK5	, STCK6	, L0001748	, L0001749	,
	L0001750	, L0001751	, L0001752	, L0001753	, L0001754	, L0001755	, L0001756	, L0001757	,
	L0001758	, L0001759	, L0001760	, L0001761	, L0001762	, L0001763	, L0001764	, L0001765	,
	L0001766	, L0001767	, L0001768	, L0001769	, L0001770	, L0001771	, L0001772	, L0001773	,
	L0001774	, L0001775	, L0001776	, L0001777	, L0001778	, L0001779	, L0001780	, L0001781	,
	L0001782	, L0001783	, L0001784	, L0001785	, L0001786	, L0001787	, L0001788	, L0001789	,
	L0001790	, L0001791	, L0001792	, L0001793	, L0001794	, L0001795	, L0001796	, L0001797	,
	L0001798	, L0001799	, L0001800	, L0001801	, L0001802	, L0001803	, L0001804	, L0001805	,
	L0001806	, L0001807	, L0001808	, L0001809	, L0001810	, L0001811	, L0001812	, L0001813	,
	L0001814	, L0001815	, L0001816	, L0001817	, L0001818	, L0001819	, L0001820	, L0001821	,
	L0001822	, L0001823	, L0001824	, L0001825	, L0001826	, L0001827	, L0001828	, L0001829	,
	L0001830	, L0001831	, L0001832	, L0001833	, L0001834	, L0001835	, L0001836	, L0001837	,
	L0001838	, L0001839	, L0001840	, L0001841	, L0001842	, L0001843	, L0001844	, L0001845	,
	L0001846	, L0001847	, L0001848	, L0001849	, L0001850	, L0001851	, L0001852	, L0001853	,
	L0001854	, L0001855	, L0001856	, L0001857	, L0001858	, L0001859	, L0001860	, L0001861	,
	L0001862	, L0001863	, L0001864	, L0001865	, L0001866	, L0001867	, L0001868	, L0001869	,
	L0001870	, L0001871	, L0001872	, L0001873	, L0001874	, L0001875	, L0001876	, L0001877	,
	L0001878	, L0001879	, L0001880	, L0001881	, L0001882	, L0001883	, L0001884	, L0001885	,
	L0001886	, L0001887	, L0001888	, L0001889	, L0001890	, L0001891	, L0001892	, L0001893	,
	L0001894	, L0001895	, L0001896	, L0001897	, L0001898	, L0001899	, L0001900	, L0001901	,
*** AERMOD - VERSION	19191	***	*** 190th St Warehouse 2025-2039				***	05/15/20	
*** AERMET - VERSION	16216	***	*** DPM concentrations first 14YR Exposure				***	07:52:35	
*** MODELOPTs:	RegDFAULT	CONC	ELEV	URBAN	ADJ_U*			PAGE	23



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

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

SRCGROUP ID	SOURCE IDs							
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L0002633	, L0002634	, L0002635	, L0002140	, L0002141	, L0002142	, L0002143	, L0002144	,
L0002145	, L0002146	, L0002147	, L0002148	, L0002149	, L0002150	, L0002151	, L0002152	,
L0002153	, L0002154	, L0002155	, L0002156	, L0002157	, L0002158	, L0002159	, L0002160	,
L0002161	, L0002162	, L0002163	, L0002164	, L0002165	, L0002166	, L0002167	, L0002168	,
L0002169	, L0002170	, L0002171	, L0002172	, L0002173	, L0002174	, L0002175	, L0002176	,
L0002177	, L0002178	, L0002179	, L0002180	, L0002181	, L0002182	, L0002183	, L0002184	,
L0002185	, L0002186	, L0002187	, L0002188	, L0002189	, L0002190	, L0002191	, L0002192	,
L0002193	, L0002194	, L0002195	, L0002196	, L0002197	, L0002198	, L0002199	, L0002200	,
L0002201	, L0002202	, L0002203	, L0002204	, L0002205	, L0002206	, L0002207	, L0002208	,
L0002209	, L0002210	, L0002211	, L0002212	, L0002213	, L0002214	, L0002215	, L0002216	,
L0002217	, L0002218	, L0002219	, L0002220	, L0002221	, L0002222	, L0002223	, L0002224	,
L0002225	, L0002226	, L0002227	, L0002228	, L0002229	, L0002230	, L0002231	, L0002232	,
L0002233	, L0002234	, L0002235	, L0002236	, L0002237	, L0002238	, L0002239	, L0002240	,
L0002241	, L0002242	, L0002243	, L0002244	, L0002245	, L0002246	, L0002247	, L0002248	,
L0002249	, L0002250	, L0002251	, L0002252	, L0002253	, L0002254	, L0002255	, L0002256	,
L0002257	, L0002258	, L0002259	, L0002260	, L0002261	, L0002262	, L0002263	, L0002264	,
L0002265	, L0002266	, L0002267	, L0002268	, L0002269	, L0002270	, L0002271	, L0002272	,
L0002273	, L0002274	, L0002275	, L0002276	, L0002277	, L0002278	, L0002279	, L0002280	,
L0002281	, L0002282	, L0002283	, L0002284	, L0002285	, L0002286	, L0002287	, L0002288	,
L0002289	, L0002290	, L0002291	, L0002292	, L0002293	, L0002294	, L0002295	, L0002296	,

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039      \*\*\*      05/15/20  
\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure      \*\*\*      07:52:35

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

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

SRCGROUP ID  
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SOURCE IDs  
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L0002297 , L0002298 , L0002299 , L0002300 , L0002301 , L0002302 , L0002303 , L0002304 ,  
L0002305 , L0002306 , L0002307 , L0002308 , L0002309 , L0002310 , L0002311 , L0002312 ,  
L0002313 , L0002314 , L0002315 , L0002316 , L0002317 , L0002318 , L0002319 , L0002320 ,  
L0002321 , L0002322 , L0002323 , L0002324 , L0002325 , L0002326 , L0002327 , L0002328 ,  
L0002329 , L0002330 , L0002331 , L0002332 , L0002333 , L0002334 , L0002335 , L0002336 ,  
L0002337 , L0002338 , L0002339 , L0002340 , L0002341 , L0002342 , L0002343 , L0002344 ,  
L0002345 , L0002346 , L0002347 , L0002348 , L0002349 , L0002350 , L0002351 , L0002352 ,  
L0002353 , L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 ,  
L0002361 , L0002362 , L0002363 , L0002364 , L0002365 , L0002366 , L0002367 , L0002368 ,  
L0002369 , L0002370 , L0002371 , L0002372 , L0002373 , L0002374 , L0002375 , L0002376 ,  
L0002377 , L0002378 , L0002379 , L0002380 , L0002381 , L0002382 , L0002383 , L0002384 ,  
L0002385 , L0002386 , L0002387 , L0002388 , L0002389 , L0002390 , L0002391 , L0002392 ,  
L0002393 , L0002394 , L0002395 , L0002396 , L0002397 , L0002398 , L0002399 , L0002400 ,  
L0002401 , L0002402 , L0002403 , L0002404 , L0002405 , L0002406 , L0002407 , L0002408 ,  
L0002409 , L0002410 , L0002411 , L0002412 , L0002413 , L0002414 , L0002415 , L0002416 ,  
L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 , L0002424 ,  
L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 , L0002432 ,  
L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , L0002439 , L0002440 ,  
L0002441 , L0002442 , L0002443 , L0002444 , L0002445 , L0002446 , L0002447 , L0002448 ,  
L0002449 , L0002450 , L0002451 , L0002452 , L0002453 , L0002454 , L0002455 , L0002456 ,

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2025-2039

\*\*\* 05/15/20



\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations first 14YR Exposure

\*\*\* 07:52:35

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

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

SRCGROUP ID

SOURCE IDs

L0002457	,	L0002458	,	L0002459	,	L0002460	,	L0002461	,	L0002462	,	L0002463	,	L0002464	,
L0002465	,	L0002466	,	L0002467	,	L0002468	,	L0002469	,	L0002470	,	L0002471	,	L0002472	,
L0002473	,	L0002474	,	L0002475	,	L0002476	,	L0002477	,	L0002478	,	L0002479	,	L0002480	,
L0002481	,	L0002482	,	L0002483	,	L0002484	,	L0002485	,	L0002486	,	L0002487	,	L0002488	,
L0002489	,	L0002490	,	L0002491	,	L0002492	,	L0002493	,	L0002494	,	L0002495	,	L0002496	,
L0002497	,	L0002498	,	L0002499	,	L0002500	,	L0002501	,	L0002502	,	L0002503	,	L0002504	,
L0002505	,	L0002506	,	L0002507	,	L0002508	,	L0002509	,	L0002510	,	L0002511	,	L0002512	,
L0002513	,	L0002514	,	L0002515	,	L0002516	,	L0002517	,	L0002518	,	L0002519	,	L0002520	,
L0002521	,	L0002522	,	L0002523	,	L0002524	,	L0002525	,	L0002526	,	L0002527	,	L0002528	,
L0002529	,	L0002530	,	L0002531	,	L0002532	,	L0002533	,	L0002534	,	L0002535	,	L0002536	,
L0002537	,	L0002538	,	L0002539	,	L0002540	,	L0002541	,	L0002542	,	L0002543	,	L0002544	,
L0002545	,	L0002546	,	L0002547	,	L0002548	,	L0002549	,	L0002550	,	L0002551	,	L0002552	,
L0002553	,	L0002554	,	L0002555	,	L0002556	,	L0002557	,	L0002558	,	L0002559	,	L0002560	,

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2025-2039  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations first 14YR Exposure

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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

L0001749	,	9818605.	STCK1	,	STCK2	,	STCK3	,	STCK4	,	STCK5	,	STCK6	,	L0001748	,
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L0001750 , L0001751 , L0001752 , L0001753 , L0001754 , L0001755 , L0001756 , L0001757 ,  
L0001758 , L0001759 , L0001760 , L0001761 , L0001762 , L0001763 , L0001764 , L0001765 ,  
L0001766 , L0001767 , L0001768 , L0001769 , L0001770 , L0001771 , L0001772 , L0001773 ,  
L0001774 , L0001775 , L0001776 , L0001777 , L0001778 , L0001779 , L0001780 , L0001781 ,  
L0001782 , L0001783 , L0001784 , L0001785 , L0001786 , L0001787 , L0001788 , L0001789 ,  
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L0001822 , L0001823 , L0001824 , L0001825 , L0001826 , L0001827 , L0001828 , L0001829 ,  
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\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2025-2039  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations first 14YR Exposure

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

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

URBAN ID URBAN POP  
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SOURCE IDs  
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L0001902 , L0001903 , L0001904 , L0001905 , L0001906 , L0001907 , L0001908 , L0001909 ,  
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L0001934 , L0001935 , L0001936 , L0001937 , L0001938 , L0001939 , L0001940 , L0001941 ,  
L0001942 , L0001943 , L0001944 , L0001945 , L0001946 , L0001947 , L0001948 , L0001949 ,  
L0001950 , L0001951 , L0001952 , L0001953 , L0001954 , L0001955 , L0001956 , L0001957 ,  
L0001958 , L0001959 , L0001960 , L0001961 , L0001962 , L0001963 , L0001964 , L0001965 ,  
L0001966 , L0001967 , L0001968 , L0001969 , L0001970 , L0001971 , L0001972 , L0001973 ,  
L0001974 , L0001975 , L0001976 , L0001977 , L0001978 , L0001979 , L0001980 , L0001981 ,  
L0001982 , L0001983 , L0001984 , L0001985 , L0001986 , L0001987 , L0001988 , L0001989 ,  
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\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2025-2039 \*\*\* 05/15/20  
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\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs
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L0002633 , L0002634 , L0002635 , L0002140 , L0002141 , L0002142 , L0002143 , L0002144 ,
L0002145 , L0002146 , L0002147 , L0002148 , L0002149 , L0002150 , L0002151 , L0002152 ,
L0002153 , L0002154 , L0002155 , L0002156 , L0002157 , L0002158 , L0002159 , L0002160 ,
L0002161 , L0002162 , L0002163 , L0002164 , L0002165 , L0002166 , L0002167 , L0002168 ,
L0002169 , L0002170 , L0002171 , L0002172 , L0002173 , L0002174 , L0002175 , L0002176 ,
L0002177 , L0002178 , L0002179 , L0002180 , L0002181 , L0002182 , L0002183 , L0002184 ,
L0002185 , L0002186 , L0002187 , L0002188 , L0002189 , L0002190 , L0002191 , L0002192 ,
L0002193 , L0002194 , L0002195 , L0002196 , L0002197 , L0002198 , L0002199 , L0002200 ,
L0002201 , L0002202 , L0002203 , L0002204 , L0002205 , L0002206 , L0002207 , L0002208 ,
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*** AERMOD - VERSION 19191 ***   *** 190th St Warehouse 2025-2039   ***   05/15/20
*** AERMET - VERSION 16216 ***   *** DPM concentrations first 14YR Exposure   ***   07:52:35
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\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

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URBAN ID   URBAN POP   SOURCE IDs
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 L0002313 , L0002314 , L0002315 , L0002316 , L0002317 , L0002318 , L0002319 , L0002320 ,  
 L0002321 , L0002322 , L0002323 , L0002324 , L0002325 , L0002326 , L0002327 , L0002328 ,  
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\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure

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

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

URBAN ID      URBAN POP

SOURCE IDs

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L0002457 , L0002458 , L0002459 , L0002460 , L0002461 , L0002462 , L0002463 , L0002464 ,
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*** AERMOD - VERSION 19191 *** *** 190th St Warehouse 2025-2039
*** AERMET - VERSION 16216 *** *** DPM concentrations first 14YR Exposure

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-115.4,	-95.0,	2	11.0,	270.4,	176.8,	-116.8,	-100.6,
3	11.0,	268.6,	205.8,	-114.6,	-103.1,	4	11.0,	258.7,	231.8,	-109.0,	-102.5,
5	11.0,	240.8,	250.8,	-100.0,	-98.8,	6	11.0,	215.7,	262.1,	-88.0,	-92.1,
7	11.0,	184.0,	265.5,	-73.4,	-82.6,	8	11.0,	146.7,	260.9,	-56.5,	-70.5,
9	11.0,	107.2,	249.6,	-38.2,	-56.8,	10	11.0,	144.2,	264.0,	-37.0,	-43.3,
11	11.0,	176.8,	270.4,	-34.6,	-28.4,	12	11.0,	205.8,	268.6,	-31.2,	-11.7,
13	11.0,	231.8,	258.7,	-26.8,	6.9,	14	11.0,	250.8,	240.8,	-21.6,	25.4,
15	11.0,	262.1,	215.7,	-15.8,	43.0,	16	11.0,	265.5,	184.0,	-9.4,	59.4,
17	11.0,	260.9,	146.7,	-2.8,	73.9,	18	11.0,	249.6,	107.2,	3.2,	86.6,
19	11.0,	264.0,	144.2,	-28.9,	95.0,	20	11.0,	270.4,	176.8,	-60.0,	100.6,
21	11.0,	268.6,	205.8,	-91.1,	103.1,	22	11.0,	258.7,	231.8,	-122.8,	102.5,
23	11.0,	240.8,	250.8,	-150.7,	98.8,	24	11.0,	215.7,	262.1,	-174.1,	92.1,

25	11.0,	184.0,	265.5,	-192.2,	82.6,	26	11.0,	146.7,	260.9,	-204.4,	70.5,
27	11.0,	107.2,	249.6,	-211.4,	56.8,	28	11.0,	144.2,	264.0,	-227.1,	43.3,
29	11.0,	176.8,	270.4,	-235.8,	28.4,	30	11.0,	205.8,	268.6,	-237.5,	11.7,
31	11.0,	231.8,	258.7,	-231.9,	-6.9,	32	11.0,	250.8,	240.8,	-219.2,	-25.4,
33	11.0,	262.1,	215.7,	-199.9,	-43.0,	34	11.0,	265.5,	184.0,	-174.6,	-59.4,
35	11.0,	260.9,	146.7,	-143.9,	-73.9,	36	11.0,	249.6,	107.2,	-110.5,	-86.6,

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-121.7,	-64.8,	2	11.0,	270.4,	176.8,	-128.2,	-72.0,
3	11.0,	268.6,	205.8,	-130.9,	-76.9,	4	11.0,	258.7,	231.8,	-129.6,	-79.5,
5	11.0,	240.8,	250.8,	-124.3,	-79.7,	6	11.0,	215.7,	262.1,	-115.3,	-77.5,
7	11.0,	184.0,	265.5,	-102.7,	-72.9,	8	11.0,	146.7,	260.9,	-87.1,	-66.1,
9	11.0,	107.2,	249.6,	-69.1,	-57.8,	10	11.0,	144.2,	264.0,	-67.2,	-49.6,
11	11.0,	176.8,	270.4,	-63.3,	-39.8,	12	11.0,	205.8,	268.6,	-57.4,	-28.0,
13	11.0,	231.8,	258.7,	-49.8,	-13.7,	14	11.0,	250.8,	240.8,	-40.7,	1.1,
15	11.0,	262.1,	215.7,	-30.4,	15.8,	16	11.0,	265.5,	184.0,	-19.1,	30.0,
17	11.0,	260.9,	146.7,	-7.2,	43.4,	18	11.0,	249.6,	107.2,	4.2,	55.7,
19	11.0,	264.0,	144.2,	-22.5,	64.8,	20	11.0,	270.4,	176.8,	-48.6,	72.0,
21	11.0,	268.6,	205.8,	-74.9,	76.9,	22	11.0,	258.7,	231.8,	-102.2,	79.5,
23	11.0,	240.8,	250.8,	-126.5,	79.7,	24	11.0,	215.7,	262.1,	-146.9,	77.5,
25	11.0,	184.0,	265.5,	-162.8,	72.9,	26	11.0,	146.7,	260.9,	-173.8,	66.1,
27	11.0,	107.2,	249.6,	-180.5,	57.8,	28	11.0,	144.2,	264.0,	-196.8,	49.6,
29	11.0,	176.8,	270.4,	-207.2,	39.8,	30	11.0,	205.8,	268.6,	-211.2,	28.0,
31	11.0,	231.8,	258.7,	-208.8,	13.7,	32	11.0,	250.8,	240.8,	-200.1,	-1.1,
33	11.0,	262.1,	215.7,	-185.3,	-15.8,	34	11.0,	265.5,	184.0,	-164.9,	-30.0,
35	11.0,	260.9,	146.7,	-139.5,	-43.4,	36	11.0,	249.6,	107.2,	-111.4,	-55.7,

SOURCE ID: STCK3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-126.6,	-38.6,	2	11.0,	270.4,	176.8,	-137.7,	-47.0,
3	11.0,	268.6,	205.8,	-144.5,	-54.0,	4	11.0,	258.7,	231.8,	-146.9,	-59.3,
5	11.0,	240.8,	250.8,	-144.9,	-62.8,	6	11.0,	215.7,	262.1,	-138.5,	-64.5,
7	11.0,	184.0,	265.5,	-127.9,	-64.1,	8	11.0,	146.7,	260.9,	-113.4,	-61.8,
9	11.0,	107.2,	249.6,	-95.7,	-58.1,	10	11.0,	144.2,	264.0,	-93.4,	-54.5,
11	11.0,	176.8,	270.4,	-88.2,	-49.2,	12	11.0,	205.8,	268.6,	-80.3,	-41.6,
13	11.0,	231.8,	258.7,	-70.0,	-31.1,	14	11.0,	250.8,	240.8,	-57.6,	-19.6,
15	11.0,	262.1,	215.7,	-43.4,	-7.4,	16	11.0,	265.5,	184.0,	-27.9,	4.9,
17	11.0,	260.9,	146.7,	-11.5,	17.1,	18	11.0,	249.6,	107.2,	4.5,	29.1,
19	11.0,	264.0,	144.2,	-17.6,	38.6,	20	11.0,	270.4,	176.8,	-39.1,	47.0,
21	11.0,	268.6,	205.8,	-61.3,	54.0,	22	11.0,	258.7,	231.8,	-84.8,	59.3,
23	11.0,	240.8,	250.8,	-105.8,	62.8,	24	11.0,	215.7,	262.1,	-123.6,	64.5,
25	11.0,	184.0,	265.5,	-137.7,	64.1,	26	11.0,	146.7,	260.9,	-147.5,	61.8,
27	11.0,	107.2,	249.6,	-153.8,	58.1,	28	11.0,	144.2,	264.0,	-170.6,	54.5,
29	11.0,	176.8,	270.4,	-182.2,	49.2,	30	11.0,	205.8,	268.6,	-188.3,	41.6,
31	11.0,	231.8,	258.7,	-188.6,	31.1,	32	11.0,	250.8,	240.8,	-183.2,	19.6,
33	11.0,	262.1,	215.7,	-172.3,	7.4,	34	11.0,	265.5,	184.0,	-156.1,	-4.9,
35	11.0,	260.9,	146.7,	-135.2,	-17.1,	36	11.0,	249.6,	107.2,	-111.8,	-29.1,

SOURCE ID: STCK4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-132.0,	-8.2,	2	11.0,	270.4,	176.8,	-148.2,	-18.0,
3	11.0,	268.6,	205.8,	-159.9,	-27.2,	4	11.0,	258.7,	231.8,	-166.8,	-35.7,
5	11.0,	240.8,	250.8,	-168.6,	-43.0,	6	11.0,	215.7,	262.1,	-165.2,	-49.0,
7	11.0,	184.0,	265.5,	-156.9,	-53.5,	8	11.0,	146.7,	260.9,	-143.8,	-56.5,
9	11.0,	107.2,	249.6,	-126.6,	-58.1,	10	11.0,	144.2,	264.0,	-123.8,	-59.9,
11	11.0,	176.8,	270.4,	-117.2,	-59.8,	12	11.0,	205.8,	268.6,	-107.0,	-57.0,
13	11.0,	231.8,	258.7,	-93.7,	-50.9,	14	11.0,	250.8,	240.8,	-77.4,	-43.2,
15	11.0,	262.1,	215.7,	-58.8,	-34.2,	16	11.0,	265.5,	184.0,	-38.4,	-24.1,
17	11.0,	260.9,	146.7,	-16.9,	-13.3,	18	11.0,	249.6,	107.2,	4.5,	-1.8,
19	11.0,	264.0,	144.2,	-12.2,	8.2,	20	11.0,	270.4,	176.8,	-28.6,	18.0,
21	11.0,	268.6,	205.8,	-45.8,	27.2,	22	11.0,	258.7,	231.8,	-65.0,	35.7,
23	11.0,	240.8,	250.8,	-82.2,	43.0,	24	11.0,	215.7,	262.1,	-96.9,	49.0,
25	11.0,	184.0,	265.5,	-108.6,	53.5,	26	11.0,	146.7,	260.9,	-117.1,	56.5,
27	11.0,	107.2,	249.6,	-123.0,	58.1,	28	11.0,	144.2,	264.0,	-140.2,	59.9,
29	11.0,	176.8,	270.4,	-153.2,	59.8,	30	11.0,	205.8,	268.6,	-161.6,	57.0,
31	11.0,	231.8,	258.7,	-165.0,	50.9,	32	11.0,	250.8,	240.8,	-163.4,	43.2,
33	11.0,	262.1,	215.7,	-156.9,	34.2,	34	11.0,	265.5,	184.0,	-145.6,	24.1,
35	11.0,	260.9,	146.7,	-129.8,	13.3,	36	11.0,	249.6,	107.2,	-111.8,	1.8,

\*\*\* AERMOD - VERSION 19191 \*\*\*    \*\*\* 190th St Warehouse 2025-2039  
 \*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\* DPM concentrations first 14YR Exposure

\*\*\*                    05/15/20  
 \*\*\*                    07:52:35  
 \*\*\*                    PAGE 33

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

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: STCK5

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-137.0,	19.9,	2	11.0,	270.4,	176.8,	-158.0,	8.9,
3	11.0,	268.6,	205.8,	-174.2,	-2.5,	4	11.0,	258.7,	231.8,	-185.2,	-13.8,
5	11.0,	240.8,	250.8,	-190.5,	-24.6,	6	11.0,	215.7,	262.1,	-190.0,	-34.7,
7	11.0,	184.0,	265.5,	-183.8,	-43.8,	8	11.0,	146.7,	260.9,	-171.9,	-51.5,
9	11.0,	107.2,	249.6,	-155.2,	-58.1,	10	11.0,	144.2,	264.0,	-151.9,	-64.8,
11	11.0,	176.8,	270.4,	-144.1,	-69.6,	12	11.0,	205.8,	268.6,	-131.8,	-71.3,
13	11.0,	231.8,	258.7,	-115.6,	-69.3,	14	11.0,	250.8,	240.8,	-95.8,	-65.1,
15	11.0,	262.1,	215.7,	-73.1,	-58.9,	16	11.0,	265.5,	184.0,	-48.2,	-51.0,
17	11.0,	260.9,	146.7,	-21.9,	-41.5,	18	11.0,	249.6,	107.2,	4.5,	-30.4,
19	11.0,	264.0,	144.2,	-7.2,	-19.9,	20	11.0,	270.4,	176.8,	-18.8,	-8.9,
21	11.0,	268.6,	205.8,	-31.5,	2.5,	22	11.0,	258.7,	231.8,	-46.6,	13.8,
23	11.0,	240.8,	250.8,	-60.3,	24.6,	24	11.0,	215.7,	262.1,	-72.1,	34.7,
25	11.0,	184.0,	265.5,	-81.8,	43.8,	26	11.0,	146.7,	260.9,	-88.9,	51.5,
27	11.0,	107.2,	249.6,	-94.4,	58.1,	28	11.0,	144.2,	264.0,	-112.1,	64.8,
29	11.0,	176.8,	270.4,	-126.3,	69.6,	30	11.0,	205.8,	268.6,	-136.8,	71.3,
31	11.0,	231.8,	258.7,	-143.1,	69.3,	32	11.0,	250.8,	240.8,	-145.0,	65.1,
33	11.0,	262.1,	215.7,	-142.6,	58.9,	34	11.0,	265.5,	184.0,	-135.8,	51.0,
35	11.0,	260.9,	146.7,	-124.8,	41.5,	36	11.0,	249.6,	107.2,	-111.8,	30.4,



SOURCE ID: STCK6

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0	264.0	144.2	-142.4	48.7	2	11.0	270.4	176.8	-168.3	36.2
3	11.0	268.6	205.8	-189.1	22.7	4	11.0	258.7	231.8	-204.2	8.4
5	11.0	240.8	250.8	-213.1	-6.1	6	11.0	215.7	262.1	-215.5	-20.4
7	11.0	184.0	265.5	-211.4	-34.1	8	11.0	146.7	260.9	-200.8	-46.7
9	11.0	107.2	249.6	-184.5	-58.5	10	11.0	144.2	264.0	-180.7	-70.2
11	11.0	176.8	270.4	-171.5	-79.9	12	11.0	205.8	268.6	-157.0	-86.2
13	11.0	231.8	258.7	-137.8	-88.3	14	11.0	250.8	240.8	-114.4	-87.7
15	11.0	262.1	215.7	-87.5	-84.4	16	11.0	265.5	184.0	-57.9	-78.6
17	11.0	260.9	146.7	-26.6	-70.4	18	11.0	249.6	107.2	4.8	-59.7
19	11.0	264.0	144.2	-1.9	-48.7	20	11.0	270.4	176.8	-8.5	-36.2
21	11.0	268.6	205.8	-16.6	-22.7	22	11.0	258.7	231.8	-27.6	-8.4
23	11.0	240.8	250.8	-37.7	6.1	24	11.0	215.7	262.1	-46.6	20.4
25	11.0	184.0	265.5	-54.2	34.1	26	11.0	146.7	260.9	-60.1	46.7
27	11.0	107.2	249.6	-65.1	58.5	28	11.0	144.2	264.0	-83.3	70.2
29	11.0	176.8	270.4	-99.0	79.9	30	11.0	205.8	268.6	-111.6	86.2
31	11.0	231.8	258.7	-120.9	88.3	32	11.0	250.8	240.8	-126.5	87.7
33	11.0	262.1	215.7	-128.2	84.4	34	11.0	265.5	184.0	-126.1	78.6
35	11.0	260.9	146.7	-120.1	70.4	36	11.0	249.6	107.2	-112.1	59.7

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039      \*\*\*      05/15/20  
\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure      \*\*\*      07:52:35  
\*\*\* MODELOPTs:      RegDEFAULT CONC ELEV URBAN ADJ\_U\*                                                   PAGE 34

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

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

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

376999.0, 377086.3, 377173.6, 377260.9, 377348.2, 377435.5, 377522.8, 377610.1, 377697.4, 377784.7,  
377872.0, 377959.3, 378046.6, 378133.9, 378221.2, 378308.5, 378395.8, 378483.1, 378570.4, 378657.7,  
378745.0,

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

3746986.6, 3747043.0, 3747099.4, 3747155.8, 3747212.2, 3747268.5, 3747324.9, 3747381.3, 3747437.7, 3747494.1,  
3747550.4, 3747606.8, 3747663.2, 3747719.6, 3747776.0, 3747832.3, 3747888.7, 3747945.1, 3748001.5, 3748057.9,  
3748114.2,

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039      \*\*\*      05/15/20  
\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure      \*\*\*      07:52:35  
\*\*\* MODELOPTs:      RegDEFAULT CONC ELEV URBAN ADJ\_U\*                                                   PAGE 35





\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations first 14YR Exposure

\*\*\* 07:52:35

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

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

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	376998.97	377086.27	377173.57	377260.87	377348.17	377435.47	377522.77	377610.07	377697.37
3748114.24	25.50	18.50	19.10	19.90	20.30	20.10	19.80	19.60	19.40
3748057.86	25.50	26.00	26.20	19.10	19.50	19.60	19.70	19.70	19.60
3748001.48	25.70	25.90	26.20	26.60	20.00	20.80	20.10	19.90	20.10
3747945.10	25.50	26.20	25.20	26.60	26.50	22.60	20.00	20.10	20.10
3747888.72	18.30	24.40	21.80	26.60	26.50	25.60	24.80	19.80	19.80
3747832.34	18.40	18.70	20.00	20.80	20.80	25.50	23.60	23.50	19.90
3747775.96	18.40	18.70	19.50	21.00	20.70	19.90	19.90	23.50	22.80
3747719.58	18.60	19.10	19.80	20.70	20.80	20.50	20.30	19.90	19.20
3747663.20	18.50	18.80	19.20	20.20	20.50	20.70	19.80	19.70	19.20
3747606.82	18.50	18.70	19.10	19.40	20.00	20.40	19.70	19.60	19.30
3747550.44	18.40	18.50	18.60	18.50	19.80	20.20	19.70	19.70	19.60
3747494.06	18.40	18.40	18.30	18.20	19.90	20.20	19.60	19.80	19.80
3747437.68	18.70	18.60	18.40	18.50	19.20	19.90	19.90	20.00	19.80
3747381.30	18.90	18.50	18.20	18.60	19.00	19.60	20.40	20.20	19.60
3747324.92	19.30	18.60	18.00	18.30	18.90	19.30	20.40	19.70	19.60
3747268.54	18.90	18.50	18.00	17.80	18.50	19.30	19.60	19.50	19.20
3747212.16	19.20	19.10	18.40	18.20	19.50	20.00	20.00	19.20	18.50
3747155.78	19.50	19.50	19.60	19.70	22.00	21.80	21.10	21.90	19.80
3747099.40	18.90	18.80	19.90	20.20	21.90	21.80	21.40	21.90	21.30
3747043.02	18.60	18.40	20.30	20.10	20.70	20.70	20.90	20.80	21.30
3746986.64	19.40	18.30	20.10	19.90	20.60	21.70	20.90	20.60	20.70

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2025-2039

\*\*\* 05/15/20

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations first 14YR Exposure

\*\*\* 07:52:35

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

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

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	377784.67	377871.97	377959.27	378046.57	378133.87	378221.17	378308.47	378395.77	378483.07
3748114.24	19.20	19.10	18.90	18.80	18.70	18.70	18.20	17.60	17.60
3748057.86	19.60	19.50	19.40	19.20	18.90	18.60	18.30	18.00	17.80
3748001.48	19.90	19.50	19.50	19.80	19.20	18.80	18.70	18.30	18.00
3747945.10	19.60	19.20	19.40	20.10	19.10	19.00	18.90	18.50	18.10







12	01	01	1	20	-6.2	0.106	-9.000	-9.000	-999.	83.	17.2	0.24	2.79	1.00	0.99	303.	7.9	287.0	2.0
12	01	01	1	21	-7.6	0.117	-9.000	-9.000	-999.	96.	19.1	0.24	2.79	1.00	1.09	326.	7.9	286.4	2.0
12	01	01	1	22	-6.8	0.110	-9.000	-9.000	-999.	88.	18.0	0.24	2.79	1.00	1.03	297.	7.9	285.9	2.0
12	01	01	1	23	-19.9	0.200	-9.000	-9.000	-999.	214.	43.9	0.24	2.79	1.00	1.79	290.	7.9	285.9	2.0
12	01	01	1	24	-19.6	0.196	-9.000	-9.000	-999.	209.	42.3	0.24	2.79	1.00	1.76	282.	7.9	285.9	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	-999.	-99.00	283.8	99.0	-99.00	-99.00

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

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*** AERMOD - VERSION 19191 ***      *** 190th St Warehouse 2025-2039      ***      05/15/20
*** AERMET - VERSION 16216 ***      *** DPM concentrations first 14YR Exposure ***      07:52:35
*** MODELOPTs:   RegDFault  CONC  ELEV  URBAN  ADJ_U*                               ***      PAGE 45

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION  VALUES FOR SOURCE GROUP: ALL      ***
INCLUDING SOURCE(S):      STCK1      , STCK2      , STCK3      , STCK4      , STCK5      ,
STCK6      , L0001748      , L0001749      , L0001750      , L0001751      , L0001752      , L0001753      , L0001754      ,
L0001755      , L0001756      , L0001757      , L0001758      , L0001759      , L0001760      , L0001761      , L0001762      ,
L0001763      , L0001764      , L0001765      , L0001766      , L0001767      , L0001768      , L0001769      , . . .      ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	376998.97	377086.27	377173.57	377260.87	377348.17	377435.47	377522.77	377610.07	377697.37
3748114.24	0.00016	0.00018	0.00019	0.00020	0.00021	0.00021	0.00021	0.00020	0.00020
3748057.86	0.00015	0.00020	0.00022	0.00024	0.00024	0.00024	0.00024	0.00023	0.00023
3748001.48	0.00021	0.00019	0.00022	0.00028	0.00029	0.00028	0.00028	0.00028	0.00026
3747945.10	0.00023	0.00027	0.00026	0.00028	0.00031	0.00031	0.00034	0.00033	0.00031
3747888.72	0.00027	0.00032	0.00036	0.00046	0.00042	0.00035	0.00038	0.00039	0.00037
3747832.34	0.00030	0.00037	0.00046	0.00072	0.00070	0.00053	0.00043	0.00042	0.00045
3747775.96	0.00034	0.00043	0.00056	0.00092	0.00089	0.00066	0.00061	0.00058	0.00051
3747719.58	0.00039	0.00050	0.00066	0.00107	0.00105	0.00080	0.00075	0.00073	0.00069
3747663.20	0.00043	0.00057	0.00077	0.00125	0.00127	0.00101	0.00097	0.00093	0.00088
3747606.82	0.00048	0.00064	0.00090	0.00146	0.00158	0.00135	0.00129	0.00125	0.00118
3747550.44	0.00052	0.00071	0.00103	0.00171	0.00204	0.00193	0.00185	0.00180	0.00163
3747494.06	0.00055	0.00077	0.00115	0.00209	0.00289	0.00313	0.00329	0.00281	0.00215
3747437.68	0.00059	0.00083	0.00127	0.00331	0.00452	0.00500	0.00537	0.00531	0.00246
3747381.30	0.00061	0.00087	0.00137	0.00253	0.00211	0.00472	0.00430	0.00506	0.00243
3747324.92	0.00062	0.00089	0.00155	0.00233	0.00226	0.00402	0.00342	0.00351	0.00219
3747268.54	0.00061	0.00089	0.00234	0.00220	0.00285	0.00320	0.00302	0.00367	0.00207
3747212.16	0.00058	0.00084	0.00142	0.00191	0.00260	0.00300	0.00283	0.00221	0.00170
3747155.78	0.00055	0.00075	0.00103	0.00134	0.00167	0.00208	0.00198	0.00152	0.00121
3747099.40	0.00050	0.00066	0.00086	0.00109	0.00133	0.00157	0.00154	0.00126	0.00100



3747043.02	0.00044	0.00057	0.00073	0.00092	0.00113	0.00130	0.00127	0.00109	0.00087
3746986.64	0.00039	0.00050	0.00062	0.00078	0.00091	0.00103	0.00104	0.00092	0.00076

\*\*\* AERMOD - VERSION 19191 \*\*\*    \*\*\* 190th St Warehouse 2025-2039    \*\*\*    05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\* DPM concentrations first 14YR Exposure    \*\*\*    07:52:35  
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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):    STCK1    ,    STCK2    ,    STCK3    ,    STCK4    ,    STCK5    ,  
 STCK6    ,    L0001748    ,    L0001749    ,    L0001750    ,    L0001751    ,    L0001752    ,    L0001753    ,    L0001754    ,  
 L0001755    ,    L0001756    ,    L0001757    ,    L0001758    ,    L0001759    ,    L0001760    ,    L0001761    ,    L0001762    ,  
 L0001763    ,    L0001764    ,    L0001765    ,    L0001766    ,    L0001767    ,    L0001768    ,    L0001769    ,    . . .    ,

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

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

Y-COORD (METERS)	377784.67	377871.97	377959.27	X-COORD (METERS) 378046.57	378133.87	378221.17	378308.47	378395.77	378483.07
---------------------	-----------	-----------	-----------	-------------------------------	-----------	-----------	-----------	-----------	-----------

3748114.24	0.00019	0.00017	0.00016	0.00015	0.00014	0.00013	0.00012	0.00011	0.00011
3748057.86	0.00021	0.00020	0.00019	0.00017	0.00016	0.00015	0.00013	0.00012	0.00012
3748001.48	0.00025	0.00023	0.00021	0.00019	0.00018	0.00016	0.00015	0.00014	0.00012
3747945.10	0.00029	0.00027	0.00024	0.00022	0.00020	0.00018	0.00016	0.00015	0.00013
3747888.72	0.00035	0.00032	0.00028	0.00025	0.00023	0.00020	0.00018	0.00016	0.00015
3747832.34	0.00042	0.00038	0.00034	0.00030	0.00026	0.00022	0.00020	0.00017	0.00016
3747775.96	0.00048	0.00046	0.00040	0.00035	0.00030	0.00025	0.00022	0.00019	0.00017
3747719.58	0.00063	0.00054	0.00048	0.00040	0.00034	0.00028	0.00024	0.00020	0.00018
3747663.20	0.00081	0.00070	0.00058	0.00048	0.00038	0.00031	0.00026	0.00022	0.00019
3747606.82	0.00104	0.00086	0.00068	0.00053	0.00043	0.00035	0.00027	0.00023	0.00020
3747550.44	0.00133	0.00100	0.00075	0.00057	0.00044	0.00035	0.00031	0.00026	0.00021
3747494.06	0.00152	0.00109	0.00080	0.00060	0.00047	0.00037	0.00031	0.00026	0.00024
3747437.68	0.00161	0.00113	0.00083	0.00063	0.00049	0.00040	0.00033	0.00028	0.00025
3747381.30	0.00162	0.00117	0.00088	0.00067	0.00054	0.00044	0.00037	0.00032	0.00028
3747324.92	0.00161	0.00123	0.00095	0.00076	0.00062	0.00052	0.00045	0.00040	0.00036
3747268.54	0.00172	0.00148	0.00127	0.00110	0.00098	0.00089	0.00083	0.00079	0.00075
3747212.16	0.00144	0.00127	0.00112	0.00097	0.00086	0.00077	0.00070	0.00066	0.00062
3747155.78	0.00096	0.00080	0.00069	0.00059	0.00051	0.00044	0.00039	0.00035	0.00031
3747099.40	0.00080	0.00065	0.00055	0.00046	0.00039	0.00034	0.00030	0.00026	0.00023
3747043.02	0.00070	0.00055	0.00045	0.00038	0.00032	0.00028	0.00024	0.00022	0.00019
3746986.64	0.00061	0.00048	0.00039	0.00032	0.00028	0.00024	0.00021	0.00019	0.00017

\*\*\* AERMOD - VERSION 19191 \*\*\*    \*\*\* 190th St Warehouse 2025-2039    \*\*\*    05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\* DPM concentrations first 14YR Exposure    \*\*\*    07:52:35  
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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):    STCK1    ,    STCK2    ,    STCK3    ,    STCK4    ,    STCK5    ,

STCK6 , L0001748 , L0001749 , L0001750 , L0001751 , L0001752 , L0001753 , L0001754 ,  
 L0001755 , L0001756 , L0001757 , L0001758 , L0001759 , L0001760 , L0001761 , L0001762 ,  
 L0001763 , L0001764 , L0001765 , L0001766 , L0001767 , L0001768 , L0001769 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)		
	378570.37	378657.67	378744.97
3748114.24	0.00010	0.00009	0.00009
3748057.86	0.00011	0.00010	0.00009
3748001.48	0.00012	0.00011	0.00010
3747945.10	0.00012	0.00011	0.00010
3747888.72	0.00013	0.00012	0.00011
3747832.34	0.00014	0.00013	0.00012
3747775.96	0.00015	0.00013	0.00012
3747719.58	0.00016	0.00014	0.00013
3747663.20	0.00017	0.00015	0.00013
3747606.82	0.00017	0.00015	0.00014
3747550.44	0.00018	0.00016	0.00014
3747494.06	0.00020	0.00017	0.00015
3747437.68	0.00022	0.00020	0.00016
3747381.30	0.00025	0.00022	0.00019
3747324.92	0.00033	0.00028	0.00021
3747268.54	0.00072	0.00065	0.00027
3747212.16	0.00057	0.00050	0.00023
3747155.78	0.00028	0.00024	0.00018
3747099.40	0.00021	0.00018	0.00015
3747043.02	0.00017	0.00015	0.00013
3746986.64	0.00015	0.00013	0.00012

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2025-2039      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations first 14YR Exposure      \*\*\*      07:52:35

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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):      STCK1      ,      STCK2      ,      STCK3      ,      STCK4      ,      STCK5      ,  
 STCK6      ,      L0001748      ,      L0001749      ,      L0001750      ,      L0001751      ,      L0001752      ,      L0001753      ,      L0001754      ,  
 L0001755      ,      L0001756      ,      L0001757      ,      L0001758      ,      L0001759      ,      L0001760      ,      L0001761      ,      L0001762      ,  
 L0001763      ,      L0001764      ,      L0001765      ,      L0001766      ,      L0001767      ,      L0001768      ,      L0001769      ,      . . .      ,

\*\*\* 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	
377146.65	3747291.37	0.00132	377230.47	3747442.55	0.00188	
377253.39	3747498.09	0.00191	377259.26	3747543.71	0.00172	
377259.26	3747621.90	0.00138	377260.56	3747704.66	0.00111	
378132.19	3747267.37	0.00100	378294.52	3747265.66	0.00090	

\*\*\* AERMOD - VERSION 19191 \*\*\*    \*\*\* 190th St Warehouse 2025-2039    \*\*\*    05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\* DPM concentrations first 14YR Exposure    \*\*\*    07:52:35  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* 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	0.00537 AT (	377522.77, 3747437.68,	19.90,	19.90,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00531 AT (	377610.07, 3747437.68,	20.00,	20.00,	0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.00506 AT (	377610.07, 3747381.30,	20.20,	20.20,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00500 AT (	377435.47, 3747437.68,	19.90,	19.90,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00472 AT (	377435.47, 3747381.30,	19.60,	19.60,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00452 AT (	377348.17, 3747437.68,	19.20,	19.20,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00430 AT (	377522.77, 3747381.30,	20.40,	20.40,	0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00402 AT (	377435.47, 3747324.92,	19.30,	19.30,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00367 AT (	377610.07, 3747268.54,	19.50,	19.50,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00351 AT (	377610.07, 3747324.92,	19.70,	19.70,	0.00)	GC	UCART1

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

\*\*\* AERMOD - VERSION 19191 \*\*\*    \*\*\* 190th St Warehouse 2025-2039    \*\*\*    05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\* DPM concentrations first 14YR Exposure    \*\*\*    07:52:35  
 PAGE 50

\*\*\* 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 8 Warning Message(s)  
A Total of 1474 Informational Message(s)  
  
A Total of 43848 Hours Were Processed  
  
A Total of 1223 Calm Hours Identified  
  
A Total of 251 Missing Hours Identified ( 0.57 Percent)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
SO W320 872 PPARM: Input Parameter May Be Out-of-Range for Parameter VS  
SO W320 873 PPARM: Input Parameter May Be Out-of-Range for Parameter VS  
SO W320 874 PPARM: Input Parameter May Be Out-of-Range for Parameter VS  
SO W320 875 PPARM: Input Parameter May Be Out-of-Range for Parameter VS  
SO W320 876 PPARM: Input Parameter May Be Out-of-Range for Parameter VS  
SO W320 877 PPARM: Input Parameter May Be Out-of-Range for Parameter VS  
ME W186 1862 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50  
ME W187 1862 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

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

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** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 5/15/2020
** File: C:\Lakes\AERMOD View\190th Street Warehouse 2040-2053\190th Street Warehouse 2040-2053.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE 190th St Warehouse 2040-2053
  TITLETWO DPM concentrations second 14YR Exposure
  MODELOPT DFAULT CONC
  AVERTIME PERIOD
  URBANOPT 9818605 Los_Angeles_County_Population
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "190th Street Warehouse 2040-2053.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION STCK1      POINT      377375.140  3747396.430      19.240
** DESCRSRC Idling location
LOCATION STCK2      POINT      377406.010  3747397.404      19.450
** DESCRSRC Idling location
LOCATION STCK3      POINT      377432.659  3747397.729      19.590
** DESCRSRC Idling location
LOCATION STCK4      POINT      377463.533  3747397.729      19.800
** DESCRSRC Idling location
LOCATION STCK5      POINT      377492.132  3747397.729      20.080
** DESCRSRC Idling location
LOCATION STCK6      POINT      377521.381  3747398.054      20.590
** DESCRSRC Idling location
** -----
** Line Source Represented by Adjacent Volume Sources

```

```

** LINE VOLUME Source ID = SLINE1
** DESCRSRC Onsite travel to driveway 3
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 2.3E-06
** Elevated
** Building Height = 10.97
** SZINIT = 5.10
** Nodes = 2
** 377309.543, 3747422.669, 18.82, 0.00, 1.70
** 377597.430, 3747424.019, 20.83, 0.00, 1.70

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** -----
LOCATION L0002636    VOLUME  377311.371 3747422.678 18.96
LOCATION L0002637    VOLUME  377315.029 3747422.695 18.99
LOCATION L0002638    VOLUME  377318.687 3747422.712 19.02
LOCATION L0002639    VOLUME  377322.344 3747422.729 19.03
LOCATION L0002640    VOLUME  377326.002 3747422.746 19.04
LOCATION L0002641    VOLUME  377329.659 3747422.763 19.06
LOCATION L0002642    VOLUME  377333.317 3747422.781 19.07
LOCATION L0002643    VOLUME  377336.974 3747422.798 19.08
LOCATION L0002644    VOLUME  377340.632 3747422.815 19.09
LOCATION L0002645    VOLUME  377344.289 3747422.832 19.10
LOCATION L0002646    VOLUME  377347.947 3747422.849 19.13
LOCATION L0002647    VOLUME  377351.605 3747422.866 19.17
LOCATION L0002648    VOLUME  377355.262 3747422.883 19.20
LOCATION L0002649    VOLUME  377358.920 3747422.901 19.23
LOCATION L0002650    VOLUME  377362.577 3747422.918 19.26
LOCATION L0002651    VOLUME  377366.235 3747422.935 19.30
LOCATION L0002652    VOLUME  377369.892 3747422.952 19.33
LOCATION L0002653    VOLUME  377373.550 3747422.969 19.35
LOCATION L0002654    VOLUME  377377.208 3747422.986 19.38
LOCATION L0002655    VOLUME  377380.865 3747423.003 19.40
LOCATION L0002656    VOLUME  377384.523 3747423.021 19.42
LOCATION L0002657    VOLUME  377388.180 3747423.038 19.45
LOCATION L0002658    VOLUME  377391.838 3747423.055 19.47
LOCATION L0002659    VOLUME  377395.495 3747423.072 19.50
LOCATION L0002660    VOLUME  377399.153 3747423.089 19.52
LOCATION L0002661    VOLUME  377402.810 3747423.106 19.55
LOCATION L0002662    VOLUME  377406.468 3747423.123 19.57
LOCATION L0002663    VOLUME  377410.126 3747423.141 19.59
LOCATION L0002664    VOLUME  377413.783 3747423.158 19.62
LOCATION L0002665    VOLUME  377417.441 3747423.175 19.64
LOCATION L0002666    VOLUME  377421.098 3747423.192 19.67
LOCATION L0002667    VOLUME  377424.756 3747423.209 19.70
LOCATION L0002668    VOLUME  377428.413 3747423.226 19.72
LOCATION L0002669    VOLUME  377432.071 3747423.243 19.75
LOCATION L0002670    VOLUME  377435.728 3747423.261 19.78
LOCATION L0002671    VOLUME  377439.386 3747423.278 19.80
LOCATION L0002672    VOLUME  377443.044 3747423.295 19.83
LOCATION L0002673    VOLUME  377446.701 3747423.312 19.86

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LOCATION	L0002674	VOLUME	377450.359	3747423.329	19.88
LOCATION	L0002675	VOLUME	377454.016	3747423.346	19.90
LOCATION	L0002676	VOLUME	377457.674	3747423.363	19.92
LOCATION	L0002677	VOLUME	377461.331	3747423.381	19.94
LOCATION	L0002678	VOLUME	377464.989	3747423.398	19.96
LOCATION	L0002679	VOLUME	377468.647	3747423.415	19.98
LOCATION	L0002680	VOLUME	377472.304	3747423.432	20.00
LOCATION	L0002681	VOLUME	377475.962	3747423.449	20.03
LOCATION	L0002682	VOLUME	377479.619	3747423.466	20.06
LOCATION	L0002683	VOLUME	377483.277	3747423.483	20.08
LOCATION	L0002684	VOLUME	377486.934	3747423.501	20.11
LOCATION	L0002685	VOLUME	377490.592	3747423.518	20.14
LOCATION	L0002686	VOLUME	377494.249	3747423.535	20.16
LOCATION	L0002687	VOLUME	377497.907	3747423.552	20.19
LOCATION	L0002688	VOLUME	377501.565	3747423.569	20.20
LOCATION	L0002689	VOLUME	377505.222	3747423.586	20.21
LOCATION	L0002690	VOLUME	377508.880	3747423.604	20.22
LOCATION	L0002691	VOLUME	377512.537	3747423.621	20.23
LOCATION	L0002692	VOLUME	377516.195	3747423.638	20.23
LOCATION	L0002693	VOLUME	377519.852	3747423.655	20.24
LOCATION	L0002694	VOLUME	377523.510	3747423.672	20.24
LOCATION	L0002695	VOLUME	377527.167	3747423.689	20.28
LOCATION	L0002696	VOLUME	377530.825	3747423.706	20.33
LOCATION	L0002697	VOLUME	377534.483	3747423.724	20.38
LOCATION	L0002698	VOLUME	377538.140	3747423.741	20.43
LOCATION	L0002699	VOLUME	377541.798	3747423.758	20.48
LOCATION	L0002700	VOLUME	377545.455	3747423.775	20.53
LOCATION	L0002701	VOLUME	377549.113	3747423.792	20.58
LOCATION	L0002702	VOLUME	377552.770	3747423.809	20.59
LOCATION	L0002703	VOLUME	377556.428	3747423.826	20.57
LOCATION	L0002704	VOLUME	377560.085	3747423.844	20.56
LOCATION	L0002705	VOLUME	377563.743	3747423.861	20.54
LOCATION	L0002706	VOLUME	377567.401	3747423.878	20.53
LOCATION	L0002707	VOLUME	377571.058	3747423.895	20.52
LOCATION	L0002708	VOLUME	377574.716	3747423.912	20.50
LOCATION	L0002709	VOLUME	377578.373	3747423.929	20.46
LOCATION	L0002710	VOLUME	377582.031	3747423.946	20.42
LOCATION	L0002711	VOLUME	377585.688	3747423.964	20.37
LOCATION	L0002712	VOLUME	377589.346	3747423.981	20.32
LOCATION	L0002713	VOLUME	377593.004	3747423.998	20.27
LOCATION	L0002714	VOLUME	377596.661	3747424.015	20.23

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

\*\*

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

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC Onsite travel from driveway 2

\*\* PREFIX

\*\* Length of Side = 3.66

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.37E-06

\*\* Elevated

```

** Building Height = 10.97
** SZINIT = 5.10
** Nodes = 2
** 377606.877, 3747423.569, 20.16, 0.00, 1.70
** 377607.327, 3747251.736, 19.20, 0.00, 1.70

```

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**
LOCATION L0002715    VOLUME 377606.881 3747421.740 20.14
LOCATION L0002716    VOLUME 377606.891 3747418.082 20.19
LOCATION L0002717    VOLUME 377606.901 3747414.425 20.23
LOCATION L0002718    VOLUME 377606.910 3747410.767 20.28
LOCATION L0002719    VOLUME 377606.920 3747407.110 20.32
LOCATION L0002720    VOLUME 377606.929 3747403.452 20.34
LOCATION L0002721    VOLUME 377606.939 3747399.794 20.34
LOCATION L0002722    VOLUME 377606.948 3747396.137 20.33
LOCATION L0002723    VOLUME 377606.958 3747392.479 20.33
LOCATION L0002724    VOLUME 377606.968 3747388.822 20.33
LOCATION L0002725    VOLUME 377606.977 3747385.164 20.33
LOCATION L0002726    VOLUME 377606.987 3747381.507 20.33
LOCATION L0002727    VOLUME 377606.996 3747377.849 20.32
LOCATION L0002728    VOLUME 377607.006 3747374.191 20.32
LOCATION L0002729    VOLUME 377607.016 3747370.534 20.26
LOCATION L0002730    VOLUME 377607.025 3747366.876 20.20
LOCATION L0002731    VOLUME 377607.035 3747363.219 20.14
LOCATION L0002732    VOLUME 377607.044 3747359.561 20.08
LOCATION L0002733    VOLUME 377607.054 3747355.903 20.03
LOCATION L0002734    VOLUME 377607.063 3747352.246 19.97
LOCATION L0002735    VOLUME 377607.073 3747348.588 19.91
LOCATION L0002736    VOLUME 377607.083 3747344.931 19.86
LOCATION L0002737    VOLUME 377607.092 3747341.273 19.82
LOCATION L0002738    VOLUME 377607.102 3747337.615 19.78
LOCATION L0002739    VOLUME 377607.111 3747333.958 19.75
LOCATION L0002740    VOLUME 377607.121 3747330.300 19.72
LOCATION L0002741    VOLUME 377607.130 3747326.643 19.69
LOCATION L0002742    VOLUME 377607.140 3747322.985 19.66
LOCATION L0002743    VOLUME 377607.150 3747319.328 19.63
LOCATION L0002744    VOLUME 377607.159 3747315.670 19.60
LOCATION L0002745    VOLUME 377607.169 3747312.012 19.58
LOCATION L0002746    VOLUME 377607.178 3747308.355 19.60
LOCATION L0002747    VOLUME 377607.188 3747304.697 19.63
LOCATION L0002748    VOLUME 377607.197 3747301.040 19.65
LOCATION L0002749    VOLUME 377607.207 3747297.382 19.67
LOCATION L0002750    VOLUME 377607.217 3747293.724 19.69
LOCATION L0002751    VOLUME 377607.226 3747290.067 19.71
LOCATION L0002752    VOLUME 377607.236 3747286.409 19.73
LOCATION L0002753    VOLUME 377607.245 3747282.752 19.75
LOCATION L0002754    VOLUME 377607.255 3747279.094 19.70
LOCATION L0002755    VOLUME 377607.264 3747275.436 19.64
LOCATION L0002756    VOLUME 377607.274 3747271.779 19.57
LOCATION L0002757    VOLUME 377607.284 3747268.121 19.50
LOCATION L0002758    VOLUME 377607.293 3747264.464 19.43
LOCATION L0002759    VOLUME 377607.303 3747260.806 19.37

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LOCATION L0002760 VOLUME 377607.312 3747257.149 19.30  
LOCATION L0002761 VOLUME 377607.322 3747253.491 19.23

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

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Crenshaw Blvd NB n/o Project Driveway 3

\*\* PREFIX

\*\* Length of Side = 3.66

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.25E-06

\*\* Elevated

\*\* Vertical Dimension = 3.66

\*\* SZINIT = 0.85

\*\* Nodes = 2

\*\* 377299.844, 3747422.000, 18.66, 0.00, 1.70

\*\* 377297.707, 3747846.534, 20.45, 0.00, 1.70

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LOCATION L0002762	VOLUME	377299.835	3747423.829	18.87
LOCATION L0002763	VOLUME	377299.816	3747427.486	18.92
LOCATION L0002764	VOLUME	377299.798	3747431.144	18.98
LOCATION L0002765	VOLUME	377299.780	3747434.801	19.03
LOCATION L0002766	VOLUME	377299.761	3747438.459	19.08
LOCATION L0002767	VOLUME	377299.743	3747442.117	19.09
LOCATION L0002768	VOLUME	377299.724	3747445.774	19.08
LOCATION L0002769	VOLUME	377299.706	3747449.432	19.06
LOCATION L0002770	VOLUME	377299.688	3747453.089	19.04
LOCATION L0002771	VOLUME	377299.669	3747456.747	19.03
LOCATION L0002772	VOLUME	377299.651	3747460.404	19.01
LOCATION L0002773	VOLUME	377299.632	3747464.062	19.00
LOCATION L0002774	VOLUME	377299.614	3747467.719	18.98
LOCATION L0002775	VOLUME	377299.595	3747471.377	18.97
LOCATION L0002776	VOLUME	377299.577	3747475.035	19.00
LOCATION L0002777	VOLUME	377299.559	3747478.692	19.04
LOCATION L0002778	VOLUME	377299.540	3747482.350	19.07
LOCATION L0002779	VOLUME	377299.522	3747486.007	19.11
LOCATION L0002780	VOLUME	377299.503	3747489.665	19.14
LOCATION L0002781	VOLUME	377299.485	3747493.322	19.17
LOCATION L0002782	VOLUME	377299.467	3747496.980	19.21
LOCATION L0002783	VOLUME	377299.448	3747500.637	19.24
LOCATION L0002784	VOLUME	377299.430	3747504.295	19.25
LOCATION L0002785	VOLUME	377299.411	3747507.953	19.24
LOCATION L0002786	VOLUME	377299.393	3747511.610	19.24
LOCATION L0002787	VOLUME	377299.375	3747515.268	19.23
LOCATION L0002788	VOLUME	377299.356	3747518.925	19.22
LOCATION L0002789	VOLUME	377299.338	3747522.583	19.22
LOCATION L0002790	VOLUME	377299.319	3747526.240	19.21
LOCATION L0002791	VOLUME	377299.301	3747529.898	19.20
LOCATION L0002792	VOLUME	377299.283	3747533.555	19.20
LOCATION L0002793	VOLUME	377299.264	3747537.213	19.21
LOCATION L0002794	VOLUME	377299.246	3747540.870	19.21

LOCATION	L0002795	VOLUME	377299.227	3747544.528	19.22
LOCATION	L0002796	VOLUME	377299.209	3747548.186	19.23
LOCATION	L0002797	VOLUME	377299.190	3747551.843	19.24
LOCATION	L0002798	VOLUME	377299.172	3747555.501	19.24
LOCATION	L0002799	VOLUME	377299.154	3747559.158	19.25
LOCATION	L0002800	VOLUME	377299.135	3747562.816	19.26
LOCATION	L0002801	VOLUME	377299.117	3747566.473	19.29
LOCATION	L0002802	VOLUME	377299.098	3747570.131	19.33
LOCATION	L0002803	VOLUME	377299.080	3747573.788	19.37
LOCATION	L0002804	VOLUME	377299.062	3747577.446	19.41
LOCATION	L0002805	VOLUME	377299.043	3747581.104	19.45
LOCATION	L0002806	VOLUME	377299.025	3747584.761	19.49
LOCATION	L0002807	VOLUME	377299.006	3747588.419	19.53
LOCATION	L0002808	VOLUME	377298.988	3747592.076	19.57
LOCATION	L0002809	VOLUME	377298.970	3747595.734	19.60
LOCATION	L0002810	VOLUME	377298.951	3747599.391	19.63
LOCATION	L0002811	VOLUME	377298.933	3747603.049	19.67
LOCATION	L0002812	VOLUME	377298.914	3747606.706	19.70
LOCATION	L0002813	VOLUME	377298.896	3747610.364	19.73
LOCATION	L0002814	VOLUME	377298.878	3747614.022	19.76
LOCATION	L0002815	VOLUME	377298.859	3747617.679	19.79
LOCATION	L0002816	VOLUME	377298.841	3747621.337	19.82
LOCATION	L0002817	VOLUME	377298.822	3747624.994	19.85
LOCATION	L0002818	VOLUME	377298.804	3747628.652	19.88
LOCATION	L0002819	VOLUME	377298.785	3747632.309	19.90
LOCATION	L0002820	VOLUME	377298.767	3747635.967	19.92
LOCATION	L0002821	VOLUME	377298.749	3747639.624	19.95
LOCATION	L0002822	VOLUME	377298.730	3747643.282	19.97
LOCATION	L0002823	VOLUME	377298.712	3747646.940	20.00
LOCATION	L0002824	VOLUME	377298.693	3747650.597	20.02
LOCATION	L0002825	VOLUME	377298.675	3747654.255	20.05
LOCATION	L0002826	VOLUME	377298.657	3747657.912	20.07
LOCATION	L0002827	VOLUME	377298.638	3747661.570	20.10
LOCATION	L0002828	VOLUME	377298.620	3747665.227	20.12
LOCATION	L0002829	VOLUME	377298.601	3747668.885	20.15
LOCATION	L0002830	VOLUME	377298.583	3747672.542	20.18
LOCATION	L0002831	VOLUME	377298.565	3747676.200	20.20
LOCATION	L0002832	VOLUME	377298.546	3747679.858	20.23
LOCATION	L0002833	VOLUME	377298.528	3747683.515	20.26
LOCATION	L0002834	VOLUME	377298.509	3747687.173	20.28
LOCATION	L0002835	VOLUME	377298.491	3747690.830	20.31
LOCATION	L0002836	VOLUME	377298.473	3747694.488	20.34
LOCATION	L0002837	VOLUME	377298.454	3747698.145	20.38
LOCATION	L0002838	VOLUME	377298.436	3747701.803	20.41
LOCATION	L0002839	VOLUME	377298.417	3747705.460	20.44
LOCATION	L0002840	VOLUME	377298.399	3747709.118	20.47
LOCATION	L0002841	VOLUME	377298.380	3747712.776	20.50
LOCATION	L0002842	VOLUME	377298.362	3747716.433	20.53
LOCATION	L0002843	VOLUME	377298.344	3747720.091	20.55
LOCATION	L0002844	VOLUME	377298.325	3747723.748	20.57
LOCATION	L0002845	VOLUME	377298.307	3747727.406	20.59

LOCATION	VOLUME				
L0002846	377298.288	3747731.063	20.61		
L0002847	377298.270	3747734.721	20.62		
L0002848	377298.252	3747738.378	20.64		
L0002849	377298.233	3747742.036	20.66		
L0002850	377298.215	3747745.693	20.68		
L0002851	377298.196	3747749.351	20.69		
L0002852	377298.178	3747753.009	20.69		
L0002853	377298.160	3747756.666	20.69		
L0002854	377298.141	3747760.324	20.70		
L0002855	377298.123	3747763.981	20.70		
L0002856	377298.104	3747767.639	20.70		
L0002857	377298.086	3747771.296	20.70		
L0002858	377298.068	3747774.954	20.70		
L0002859	377298.049	3747778.611	20.70		
L0002860	377298.031	3747782.269	20.69		
L0002861	377298.012	3747785.927	20.67		
L0002862	377297.994	3747789.584	20.65		
L0002863	377297.975	3747793.242	20.63		
L0002864	377297.957	3747796.899	20.61		
L0002865	377297.939	3747800.557	20.60		
L0002866	377297.920	3747804.214	20.58		
L0002867	377297.902	3747807.872	20.56		
L0002868	377297.883	3747811.529	20.55		
L0002869	377297.865	3747815.187	20.53		
L0002870	377297.847	3747818.845	20.52		
L0002871	377297.828	3747822.502	20.50		
L0002872	377297.810	3747826.160	20.48		
L0002873	377297.791	3747829.817	20.47		
L0002874	377297.773	3747833.475	20.45		
L0002875	377297.755	3747837.132	20.44		
L0002876	377297.736	3747840.790	20.42		
L0002877	377297.718	3747844.447	20.40		

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** End of LINE VOLUME Source ID = SLINE3
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Crenshaw Blvd n/o 190th St
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 1.22E-06
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 6
** 377156.337, 3747243.729, 18.13, 0.00, 1.70
** 377233.697, 3747379.881, 18.46, 0.00, 1.70
** 377255.357, 3747420.108, 18.51, 0.00, 1.70
** 377271.860, 3747448.989, 18.72, 0.00, 1.70
** 377280.112, 3747463.429, 18.72, 0.00, 1.70
** 377289.395, 3747481.996, 19.00, 0.00, 1.70

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LOCATION L0002878 VOLUME 377157.241 3747245.319 18.15  
LOCATION L0002879 VOLUME 377159.048 3747248.499 18.13  
LOCATION L0002880 VOLUME 377160.854 3747251.679 18.12  
LOCATION L0002881 VOLUME 377162.661 3747254.859 18.10  
LOCATION L0002882 VOLUME 377164.468 3747258.039 18.08  
LOCATION L0002883 VOLUME 377166.275 3747261.220 18.06  
LOCATION L0002884 VOLUME 377168.082 3747264.400 18.04  
LOCATION L0002885 VOLUME 377169.889 3747267.580 18.03  
LOCATION L0002886 VOLUME 377171.696 3747270.760 18.03  
LOCATION L0002887 VOLUME 377173.503 3747273.940 18.03  
LOCATION L0002888 VOLUME 377175.310 3747277.120 18.04  
LOCATION L0002889 VOLUME 377177.116 3747280.300 18.06  
LOCATION L0002890 VOLUME 377178.923 3747283.480 18.09  
LOCATION L0002891 VOLUME 377180.730 3747286.661 18.12  
LOCATION L0002892 VOLUME 377182.537 3747289.841 18.14  
LOCATION L0002893 VOLUME 377184.344 3747293.021 18.15  
LOCATION L0002894 VOLUME 377186.151 3747296.201 18.17  
LOCATION L0002895 VOLUME 377187.958 3747299.381 18.18  
LOCATION L0002896 VOLUME 377189.765 3747302.561 18.19  
LOCATION L0002897 VOLUME 377191.572 3747305.741 18.19  
LOCATION L0002898 VOLUME 377193.378 3747308.921 18.18  
LOCATION L0002899 VOLUME 377195.185 3747312.102 18.18  
LOCATION L0002900 VOLUME 377196.992 3747315.282 18.17  
LOCATION L0002901 VOLUME 377198.799 3747318.462 18.16  
LOCATION L0002902 VOLUME 377200.606 3747321.642 18.14  
LOCATION L0002903 VOLUME 377202.413 3747324.822 18.14  
LOCATION L0002904 VOLUME 377204.220 3747328.002 18.14  
LOCATION L0002905 VOLUME 377206.027 3747331.182 18.15  
LOCATION L0002906 VOLUME 377207.834 3747334.362 18.17  
LOCATION L0002907 VOLUME 377209.640 3747337.543 18.20  
LOCATION L0002908 VOLUME 377211.447 3747340.723 18.24  
LOCATION L0002909 VOLUME 377213.254 3747343.903 18.28  
LOCATION L0002910 VOLUME 377215.061 3747347.083 18.33  
LOCATION L0002911 VOLUME 377216.868 3747350.263 18.34  
LOCATION L0002912 VOLUME 377218.675 3747353.443 18.31  
LOCATION L0002913 VOLUME 377220.482 3747356.623 18.29  
LOCATION L0002914 VOLUME 377222.289 3747359.803 18.28  
LOCATION L0002915 VOLUME 377224.096 3747362.984 18.27  
LOCATION L0002916 VOLUME 377225.902 3747366.164 18.27  
LOCATION L0002917 VOLUME 377227.709 3747369.344 18.28  
LOCATION L0002918 VOLUME 377229.516 3747372.524 18.29  
LOCATION L0002919 VOLUME 377231.323 3747375.704 18.32  
LOCATION L0002920 VOLUME 377233.130 3747378.884 18.34  
LOCATION L0002921 VOLUME 377234.887 3747382.092 18.38  
LOCATION L0002922 VOLUME 377236.621 3747385.312 18.40  
LOCATION L0002923 VOLUME 377238.355 3747388.533 18.43  
LOCATION L0002924 VOLUME 377240.089 3747391.753 18.44  
LOCATION L0002925 VOLUME 377241.823 3747394.974 18.45  
LOCATION L0002926 VOLUME 377243.557 3747398.194 18.44  
LOCATION L0002927 VOLUME 377245.291 3747401.414 18.43
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LOCATION	VOLUME			
L0002928	377247.025	3747404.635	18.43	
L0002929	377248.759	3747407.855	18.43	
L0002930	377250.493	3747411.076	18.43	
L0002931	377252.228	3747414.296	18.43	
L0002932	377253.962	3747417.517	18.44	
L0002933	377255.711	3747420.728	18.46	
L0002934	377257.526	3747423.904	18.48	
L0002935	377259.341	3747427.080	18.51	
L0002936	377261.155	3747430.255	18.55	
L0002937	377262.970	3747433.431	18.59	
L0002938	377264.785	3747436.607	18.64	
L0002939	377266.599	3747439.782	18.70	
L0002940	377268.414	3747442.958	18.72	
L0002941	377270.229	3747446.134	18.72	
L0002942	377272.044	3747449.309	18.71	
L0002943	377273.858	3747452.485	18.71	
L0002944	377275.673	3747455.661	18.70	
L0002945	377277.488	3747458.836	18.71	
L0002946	377279.302	3747462.012	18.71	
L0002947	377281.018	3747465.241	18.71	
L0002948	377282.654	3747468.512	18.71	
L0002949	377284.289	3747471.784	18.73	
L0002950	377285.925	3747475.055	18.77	
L0002951	377287.561	3747478.327	18.82	
L0002952	377289.196	3747481.598	18.88	

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

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC 190th St west of 405 fwy SB ramps

\*\* PREFIX

\*\* Length of Side = 3.66

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000111

\*\* Elevated

\*\* Vertical Dimension = 3.66

\*\* SZINIT = 0.85

\*\* Nodes = 2

\*\* 377162.491, 3747238.163, 18.10, 0.00, 1.70

\*\* 378701.707, 3747243.918, 18.18, 0.00, 1.70

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LOCATION	VOLUME			
L0002953	377164.319	3747238.170	18.07	
L0002954	377167.977	3747238.184	18.06	
L0002955	377171.634	3747238.198	18.04	
L0002956	377175.292	3747238.211	18.03	
L0002957	377178.950	3747238.225	18.01	
L0002958	377182.607	3747238.239	18.00	
L0002959	377186.265	3747238.252	17.98	
L0002960	377189.922	3747238.266	17.97	
L0002961	377193.580	3747238.280	17.97	
L0002962	377197.237	3747238.293	17.97	

LOCATION	L0002963	VOLUME	377200.895	3747238.307	17.97
LOCATION	L0002964	VOLUME	377204.553	3747238.321	17.96
LOCATION	L0002965	VOLUME	377208.210	3747238.334	17.96
LOCATION	L0002966	VOLUME	377211.868	3747238.348	17.96
LOCATION	L0002967	VOLUME	377215.525	3747238.362	17.94
LOCATION	L0002968	VOLUME	377219.183	3747238.375	17.89
LOCATION	L0002969	VOLUME	377222.840	3747238.389	17.85
LOCATION	L0002970	VOLUME	377226.498	3747238.403	17.81
LOCATION	L0002971	VOLUME	377230.156	3747238.416	17.77
LOCATION	L0002972	VOLUME	377233.813	3747238.430	17.73
LOCATION	L0002973	VOLUME	377237.471	3747238.444	17.68
LOCATION	L0002974	VOLUME	377241.128	3747238.457	17.67
LOCATION	L0002975	VOLUME	377244.786	3747238.471	17.68
LOCATION	L0002976	VOLUME	377248.444	3747238.485	17.70
LOCATION	L0002977	VOLUME	377252.101	3747238.499	17.71
LOCATION	L0002978	VOLUME	377255.759	3747238.512	17.73
LOCATION	L0002979	VOLUME	377259.416	3747238.526	17.74
LOCATION	L0002980	VOLUME	377263.074	3747238.540	17.76
LOCATION	L0002981	VOLUME	377266.731	3747238.553	17.77
LOCATION	L0002982	VOLUME	377270.389	3747238.567	17.78
LOCATION	L0002983	VOLUME	377274.047	3747238.581	17.79
LOCATION	L0002984	VOLUME	377277.704	3747238.594	17.81
LOCATION	L0002985	VOLUME	377281.362	3747238.608	17.82
LOCATION	L0002986	VOLUME	377285.019	3747238.622	17.83
LOCATION	L0002987	VOLUME	377288.677	3747238.635	17.84
LOCATION	L0002988	VOLUME	377292.334	3747238.649	17.86
LOCATION	L0002989	VOLUME	377295.992	3747238.663	17.90
LOCATION	L0002990	VOLUME	377299.650	3747238.676	17.93
LOCATION	L0002991	VOLUME	377303.307	3747238.690	17.97
LOCATION	L0002992	VOLUME	377306.965	3747238.704	18.01
LOCATION	L0002993	VOLUME	377310.622	3747238.717	18.05
LOCATION	L0002994	VOLUME	377314.280	3747238.731	18.09
LOCATION	L0002995	VOLUME	377317.937	3747238.745	18.13
LOCATION	L0002996	VOLUME	377321.595	3747238.758	18.17
LOCATION	L0002997	VOLUME	377325.253	3747238.772	18.22
LOCATION	L0002998	VOLUME	377328.910	3747238.786	18.26
LOCATION	L0002999	VOLUME	377332.568	3747238.799	18.31
LOCATION	L0003000	VOLUME	377336.225	3747238.813	18.36
LOCATION	L0003001	VOLUME	377339.883	3747238.827	18.40
LOCATION	L0003002	VOLUME	377343.540	3747238.840	18.44
LOCATION	L0003003	VOLUME	377347.198	3747238.854	18.48
LOCATION	L0003004	VOLUME	377350.856	3747238.868	18.52
LOCATION	L0003005	VOLUME	377354.513	3747238.881	18.56
LOCATION	L0003006	VOLUME	377358.171	3747238.895	18.60
LOCATION	L0003007	VOLUME	377361.828	3747238.909	18.64
LOCATION	L0003008	VOLUME	377365.486	3747238.922	18.68
LOCATION	L0003009	VOLUME	377369.143	3747238.936	18.72
LOCATION	L0003010	VOLUME	377372.801	3747238.950	18.75
LOCATION	L0003011	VOLUME	377376.459	3747238.963	18.78
LOCATION	L0003012	VOLUME	377380.116	3747238.977	18.80
LOCATION	L0003013	VOLUME	377383.774	3747238.991	18.83

LOCATION	L0003014	VOLUME	377387.431	3747239.004	18.86
LOCATION	L0003015	VOLUME	377391.089	3747239.018	18.89
LOCATION	L0003016	VOLUME	377394.746	3747239.032	18.93
LOCATION	L0003017	VOLUME	377398.404	3747239.045	18.98
LOCATION	L0003018	VOLUME	377402.062	3747239.059	19.04
LOCATION	L0003019	VOLUME	377405.719	3747239.073	19.09
LOCATION	L0003020	VOLUME	377409.377	3747239.087	19.15
LOCATION	L0003021	VOLUME	377413.034	3747239.100	19.20
LOCATION	L0003022	VOLUME	377416.692	3747239.114	19.26
LOCATION	L0003023	VOLUME	377420.350	3747239.128	19.31
LOCATION	L0003024	VOLUME	377424.007	3747239.141	19.35
LOCATION	L0003025	VOLUME	377427.665	3747239.155	19.39
LOCATION	L0003026	VOLUME	377431.322	3747239.169	19.43
LOCATION	L0003027	VOLUME	377434.980	3747239.182	19.46
LOCATION	L0003028	VOLUME	377438.637	3747239.196	19.50
LOCATION	L0003029	VOLUME	377442.295	3747239.210	19.54
LOCATION	L0003030	VOLUME	377445.953	3747239.223	19.58
LOCATION	L0003031	VOLUME	377449.610	3747239.237	19.61
LOCATION	L0003032	VOLUME	377453.268	3747239.251	19.65
LOCATION	L0003033	VOLUME	377456.925	3747239.264	19.68
LOCATION	L0003034	VOLUME	377460.583	3747239.278	19.71
LOCATION	L0003035	VOLUME	377464.240	3747239.292	19.74
LOCATION	L0003036	VOLUME	377467.898	3747239.305	19.78
LOCATION	L0003037	VOLUME	377471.556	3747239.319	19.80
LOCATION	L0003038	VOLUME	377475.213	3747239.333	19.80
LOCATION	L0003039	VOLUME	377478.871	3747239.346	19.80
LOCATION	L0003040	VOLUME	377482.528	3747239.360	19.80
LOCATION	L0003041	VOLUME	377486.186	3747239.374	19.79
LOCATION	L0003042	VOLUME	377489.843	3747239.387	19.79
LOCATION	L0003043	VOLUME	377493.501	3747239.401	19.79
LOCATION	L0003044	VOLUME	377497.159	3747239.415	19.78
LOCATION	L0003045	VOLUME	377500.816	3747239.428	19.76
LOCATION	L0003046	VOLUME	377504.474	3747239.442	19.74
LOCATION	L0003047	VOLUME	377508.131	3747239.456	19.72
LOCATION	L0003048	VOLUME	377511.789	3747239.469	19.70
LOCATION	L0003049	VOLUME	377515.446	3747239.483	19.68
LOCATION	L0003050	VOLUME	377519.104	3747239.497	19.66
LOCATION	L0003051	VOLUME	377522.762	3747239.510	19.64
LOCATION	L0003052	VOLUME	377526.419	3747239.524	19.62
LOCATION	L0003053	VOLUME	377530.077	3747239.538	19.60
LOCATION	L0003054	VOLUME	377533.734	3747239.551	19.58
LOCATION	L0003055	VOLUME	377537.392	3747239.565	19.56
LOCATION	L0003056	VOLUME	377541.049	3747239.579	19.54
LOCATION	L0003057	VOLUME	377544.707	3747239.592	19.53
LOCATION	L0003058	VOLUME	377548.365	3747239.606	19.51
LOCATION	L0003059	VOLUME	377552.022	3747239.620	19.50
LOCATION	L0003060	VOLUME	377555.680	3747239.634	19.49
LOCATION	L0003061	VOLUME	377559.337	3747239.647	19.47
LOCATION	L0003062	VOLUME	377562.995	3747239.661	19.46
LOCATION	L0003063	VOLUME	377566.652	3747239.675	19.45
LOCATION	L0003064	VOLUME	377570.310	3747239.688	19.44

LOCATION	L0003065	VOLUME	377573.968	3747239.702	19.43
LOCATION	L0003066	VOLUME	377577.625	3747239.716	19.40
LOCATION	L0003067	VOLUME	377581.283	3747239.729	19.37
LOCATION	L0003068	VOLUME	377584.940	3747239.743	19.34
LOCATION	L0003069	VOLUME	377588.598	3747239.757	19.31
LOCATION	L0003070	VOLUME	377592.256	3747239.770	19.28
LOCATION	L0003071	VOLUME	377595.913	3747239.784	19.25
LOCATION	L0003072	VOLUME	377599.571	3747239.798	19.23
LOCATION	L0003073	VOLUME	377603.228	3747239.811	19.21
LOCATION	L0003074	VOLUME	377606.886	3747239.825	19.20
LOCATION	L0003075	VOLUME	377610.543	3747239.839	19.19
LOCATION	L0003076	VOLUME	377614.201	3747239.852	19.18
LOCATION	L0003077	VOLUME	377617.859	3747239.866	19.16
LOCATION	L0003078	VOLUME	377621.516	3747239.880	19.15
LOCATION	L0003079	VOLUME	377625.174	3747239.893	19.14
LOCATION	L0003080	VOLUME	377628.831	3747239.907	19.12
LOCATION	L0003081	VOLUME	377632.489	3747239.921	19.09
LOCATION	L0003082	VOLUME	377636.146	3747239.934	19.07
LOCATION	L0003083	VOLUME	377639.804	3747239.948	19.05
LOCATION	L0003084	VOLUME	377643.462	3747239.962	19.03
LOCATION	L0003085	VOLUME	377647.119	3747239.975	19.01
LOCATION	L0003086	VOLUME	377650.777	3747239.989	18.99
LOCATION	L0003087	VOLUME	377654.434	3747240.003	18.96
LOCATION	L0003088	VOLUME	377658.092	3747240.016	18.94
LOCATION	L0003089	VOLUME	377661.749	3747240.030	18.91
LOCATION	L0003090	VOLUME	377665.407	3747240.044	18.89
LOCATION	L0003091	VOLUME	377669.065	3747240.057	18.86
LOCATION	L0003092	VOLUME	377672.722	3747240.071	18.84
LOCATION	L0003093	VOLUME	377676.380	3747240.085	18.81
LOCATION	L0003094	VOLUME	377680.037	3747240.098	18.79
LOCATION	L0003095	VOLUME	377683.695	3747240.112	18.78
LOCATION	L0003096	VOLUME	377687.352	3747240.126	18.76
LOCATION	L0003097	VOLUME	377691.010	3747240.139	18.74
LOCATION	L0003098	VOLUME	377694.668	3747240.153	18.73
LOCATION	L0003099	VOLUME	377698.325	3747240.167	18.71
LOCATION	L0003100	VOLUME	377701.983	3747240.181	18.69
LOCATION	L0003101	VOLUME	377705.640	3747240.194	18.67
LOCATION	L0003102	VOLUME	377709.298	3747240.208	18.65
LOCATION	L0003103	VOLUME	377712.955	3747240.222	18.63
LOCATION	L0003104	VOLUME	377716.613	3747240.235	18.61
LOCATION	L0003105	VOLUME	377720.271	3747240.249	18.59
LOCATION	L0003106	VOLUME	377723.928	3747240.263	18.56
LOCATION	L0003107	VOLUME	377727.586	3747240.276	18.54
LOCATION	L0003108	VOLUME	377731.243	3747240.290	18.52
LOCATION	L0003109	VOLUME	377734.901	3747240.304	18.49
LOCATION	L0003110	VOLUME	377738.558	3747240.317	18.47
LOCATION	L0003111	VOLUME	377742.216	3747240.331	18.44
LOCATION	L0003112	VOLUME	377745.874	3747240.345	18.42
LOCATION	L0003113	VOLUME	377749.531	3747240.358	18.40
LOCATION	L0003114	VOLUME	377753.189	3747240.372	18.37
LOCATION	L0003115	VOLUME	377756.846	3747240.386	18.34



LOCATION	L0003116	VOLUME	377760.504	3747240.399	18.31
LOCATION	L0003117	VOLUME	377764.162	3747240.413	18.29
LOCATION	L0003118	VOLUME	377767.819	3747240.427	18.26
LOCATION	L0003119	VOLUME	377771.477	3747240.440	18.23
LOCATION	L0003120	VOLUME	377775.134	3747240.454	18.20
LOCATION	L0003121	VOLUME	377778.792	3747240.468	18.17
LOCATION	L0003122	VOLUME	377782.449	3747240.481	18.18
LOCATION	L0003123	VOLUME	377786.107	3747240.495	18.19
LOCATION	L0003124	VOLUME	377789.765	3747240.509	18.19
LOCATION	L0003125	VOLUME	377793.422	3747240.522	18.20
LOCATION	L0003126	VOLUME	377797.080	3747240.536	18.21
LOCATION	L0003127	VOLUME	377800.737	3747240.550	18.22
LOCATION	L0003128	VOLUME	377804.395	3747240.563	18.23
LOCATION	L0003129	VOLUME	377808.052	3747240.577	18.23
LOCATION	L0003130	VOLUME	377811.710	3747240.591	18.24
LOCATION	L0003131	VOLUME	377815.368	3747240.604	18.25
LOCATION	L0003132	VOLUME	377819.025	3747240.618	18.26
LOCATION	L0003133	VOLUME	377822.683	3747240.632	18.26
LOCATION	L0003134	VOLUME	377826.340	3747240.645	18.27
LOCATION	L0003135	VOLUME	377829.998	3747240.659	18.28
LOCATION	L0003136	VOLUME	377833.655	3747240.673	18.28
LOCATION	L0003137	VOLUME	377837.313	3747240.686	18.29
LOCATION	L0003138	VOLUME	377840.971	3747240.700	18.29
LOCATION	L0003139	VOLUME	377844.628	3747240.714	18.29
LOCATION	L0003140	VOLUME	377848.286	3747240.728	18.29
LOCATION	L0003141	VOLUME	377851.943	3747240.741	18.29
LOCATION	L0003142	VOLUME	377855.601	3747240.755	18.30
LOCATION	L0003143	VOLUME	377859.258	3747240.769	18.32
LOCATION	L0003144	VOLUME	377862.916	3747240.782	18.34
LOCATION	L0003145	VOLUME	377866.574	3747240.796	18.36
LOCATION	L0003146	VOLUME	377870.231	3747240.810	18.39
LOCATION	L0003147	VOLUME	377873.889	3747240.823	18.41
LOCATION	L0003148	VOLUME	377877.546	3747240.837	18.44
LOCATION	L0003149	VOLUME	377881.204	3747240.851	18.46
LOCATION	L0003150	VOLUME	377884.861	3747240.864	18.49
LOCATION	L0003151	VOLUME	377888.519	3747240.878	18.51
LOCATION	L0003152	VOLUME	377892.177	3747240.892	18.54
LOCATION	L0003153	VOLUME	377895.834	3747240.905	18.56
LOCATION	L0003154	VOLUME	377899.492	3747240.919	18.59
LOCATION	L0003155	VOLUME	377903.149	3747240.933	18.61
LOCATION	L0003156	VOLUME	377906.807	3747240.946	18.64
LOCATION	L0003157	VOLUME	377910.464	3747240.960	18.66
LOCATION	L0003158	VOLUME	377914.122	3747240.974	18.68
LOCATION	L0003159	VOLUME	377917.780	3747240.987	18.71
LOCATION	L0003160	VOLUME	377921.437	3747241.001	18.73
LOCATION	L0003161	VOLUME	377925.095	3747241.015	18.76
LOCATION	L0003162	VOLUME	377928.752	3747241.028	18.78
LOCATION	L0003163	VOLUME	377932.410	3747241.042	18.81
LOCATION	L0003164	VOLUME	377936.068	3747241.056	18.85
LOCATION	L0003165	VOLUME	377939.725	3747241.069	18.90
LOCATION	L0003166	VOLUME	377943.383	3747241.083	18.95

LOCATION	L0003167	VOLUME	377947.040	3747241.097	19.00
LOCATION	L0003168	VOLUME	377950.698	3747241.110	19.05
LOCATION	L0003169	VOLUME	377954.355	3747241.124	19.10
LOCATION	L0003170	VOLUME	377958.013	3747241.138	19.15
LOCATION	L0003171	VOLUME	377961.671	3747241.151	19.17
LOCATION	L0003172	VOLUME	377965.328	3747241.165	19.17
LOCATION	L0003173	VOLUME	377968.986	3747241.179	19.17
LOCATION	L0003174	VOLUME	377972.643	3747241.192	19.17
LOCATION	L0003175	VOLUME	377976.301	3747241.206	19.16
LOCATION	L0003176	VOLUME	377979.958	3747241.220	19.16
LOCATION	L0003177	VOLUME	377983.616	3747241.233	19.16
LOCATION	L0003178	VOLUME	377987.274	3747241.247	19.17
LOCATION	L0003179	VOLUME	377990.931	3747241.261	19.19
LOCATION	L0003180	VOLUME	377994.589	3747241.274	19.20
LOCATION	L0003181	VOLUME	377998.246	3747241.288	19.22
LOCATION	L0003182	VOLUME	378001.904	3747241.302	19.24
LOCATION	L0003183	VOLUME	378005.561	3747241.316	19.25
LOCATION	L0003184	VOLUME	378009.219	3747241.329	19.27
LOCATION	L0003185	VOLUME	378012.877	3747241.343	19.28
LOCATION	L0003186	VOLUME	378016.534	3747241.357	19.30
LOCATION	L0003187	VOLUME	378020.192	3747241.370	19.31
LOCATION	L0003188	VOLUME	378023.849	3747241.384	19.32
LOCATION	L0003189	VOLUME	378027.507	3747241.398	19.34
LOCATION	L0003190	VOLUME	378031.164	3747241.411	19.35
LOCATION	L0003191	VOLUME	378034.822	3747241.425	19.37
LOCATION	L0003192	VOLUME	378038.480	3747241.439	19.40
LOCATION	L0003193	VOLUME	378042.137	3747241.452	19.44
LOCATION	L0003194	VOLUME	378045.795	3747241.466	19.49
LOCATION	L0003195	VOLUME	378049.452	3747241.480	19.53
LOCATION	L0003196	VOLUME	378053.110	3747241.493	19.57
LOCATION	L0003197	VOLUME	378056.767	3747241.507	19.62
LOCATION	L0003198	VOLUME	378060.425	3747241.521	19.66
LOCATION	L0003199	VOLUME	378064.083	3747241.534	19.68
LOCATION	L0003200	VOLUME	378067.740	3747241.548	19.69
LOCATION	L0003201	VOLUME	378071.398	3747241.562	19.70
LOCATION	L0003202	VOLUME	378075.055	3747241.575	19.70
LOCATION	L0003203	VOLUME	378078.713	3747241.589	19.71
LOCATION	L0003204	VOLUME	378082.370	3747241.603	19.72
LOCATION	L0003205	VOLUME	378086.028	3747241.616	19.72
LOCATION	L0003206	VOLUME	378089.686	3747241.630	19.74
LOCATION	L0003207	VOLUME	378093.343	3747241.644	19.76
LOCATION	L0003208	VOLUME	378097.001	3747241.657	19.78
LOCATION	L0003209	VOLUME	378100.658	3747241.671	19.80
LOCATION	L0003210	VOLUME	378104.316	3747241.685	19.83
LOCATION	L0003211	VOLUME	378107.974	3747241.698	19.85
LOCATION	L0003212	VOLUME	378111.631	3747241.712	19.87
LOCATION	L0003213	VOLUME	378115.289	3747241.726	19.88
LOCATION	L0003214	VOLUME	378118.946	3747241.739	19.89
LOCATION	L0003215	VOLUME	378122.604	3747241.753	19.90
LOCATION	L0003216	VOLUME	378126.261	3747241.767	19.90
LOCATION	L0003217	VOLUME	378129.919	3747241.780	19.91

LOCATION	L0003218	VOLUME	378133.577	3747241.794	19.91
LOCATION	L0003219	VOLUME	378137.234	3747241.808	19.92
LOCATION	L0003220	VOLUME	378140.892	3747241.821	19.92
LOCATION	L0003221	VOLUME	378144.549	3747241.835	19.91
LOCATION	L0003222	VOLUME	378148.207	3747241.849	19.91
LOCATION	L0003223	VOLUME	378151.864	3747241.863	19.91
LOCATION	L0003224	VOLUME	378155.522	3747241.876	19.90
LOCATION	L0003225	VOLUME	378159.180	3747241.890	19.90
LOCATION	L0003226	VOLUME	378162.837	3747241.904	19.90
LOCATION	L0003227	VOLUME	378166.495	3747241.917	19.88
LOCATION	L0003228	VOLUME	378170.152	3747241.931	19.84
LOCATION	L0003229	VOLUME	378173.810	3747241.945	19.80
LOCATION	L0003230	VOLUME	378177.467	3747241.958	19.77
LOCATION	L0003231	VOLUME	378181.125	3747241.972	19.73
LOCATION	L0003232	VOLUME	378184.783	3747241.986	19.69
LOCATION	L0003233	VOLUME	378188.440	3747241.999	19.66
LOCATION	L0003234	VOLUME	378192.098	3747242.013	19.64
LOCATION	L0003235	VOLUME	378195.755	3747242.027	19.66
LOCATION	L0003236	VOLUME	378199.413	3747242.040	19.67
LOCATION	L0003237	VOLUME	378203.070	3747242.054	19.68
LOCATION	L0003238	VOLUME	378206.728	3747242.068	19.69
LOCATION	L0003239	VOLUME	378210.386	3747242.081	19.70
LOCATION	L0003240	VOLUME	378214.043	3747242.095	19.71
LOCATION	L0003241	VOLUME	378217.701	3747242.109	19.71
LOCATION	L0003242	VOLUME	378221.358	3747242.122	19.70
LOCATION	L0003243	VOLUME	378225.016	3747242.136	19.70
LOCATION	L0003244	VOLUME	378228.673	3747242.150	19.69
LOCATION	L0003245	VOLUME	378232.331	3747242.163	19.68
LOCATION	L0003246	VOLUME	378235.989	3747242.177	19.67
LOCATION	L0003247	VOLUME	378239.646	3747242.191	19.66
LOCATION	L0003248	VOLUME	378243.304	3747242.204	19.64
LOCATION	L0003249	VOLUME	378246.961	3747242.218	19.59
LOCATION	L0003250	VOLUME	378250.619	3747242.232	19.54
LOCATION	L0003251	VOLUME	378254.276	3747242.245	19.50
LOCATION	L0003252	VOLUME	378257.934	3747242.259	19.45
LOCATION	L0003253	VOLUME	378261.592	3747242.273	19.40
LOCATION	L0003254	VOLUME	378265.249	3747242.286	19.35
LOCATION	L0003255	VOLUME	378268.907	3747242.300	19.33
LOCATION	L0003256	VOLUME	378272.564	3747242.314	19.34
LOCATION	L0003257	VOLUME	378276.222	3747242.327	19.36
LOCATION	L0003258	VOLUME	378279.880	3747242.341	19.37
LOCATION	L0003259	VOLUME	378283.537	3747242.355	19.39
LOCATION	L0003260	VOLUME	378287.195	3747242.368	19.40
LOCATION	L0003261	VOLUME	378290.852	3747242.382	19.42
LOCATION	L0003262	VOLUME	378294.510	3747242.396	19.43
LOCATION	L0003263	VOLUME	378298.167	3747242.410	19.42
LOCATION	L0003264	VOLUME	378301.825	3747242.423	19.42
LOCATION	L0003265	VOLUME	378305.483	3747242.437	19.42
LOCATION	L0003266	VOLUME	378309.140	3747242.451	19.41
LOCATION	L0003267	VOLUME	378312.798	3747242.464	19.41
LOCATION	L0003268	VOLUME	378316.455	3747242.478	19.41

LOCATION	L0003269	VOLUME	378320.113	3747242.492	19.40
LOCATION	L0003270	VOLUME	378323.770	3747242.505	19.37
LOCATION	L0003271	VOLUME	378327.428	3747242.519	19.35
LOCATION	L0003272	VOLUME	378331.086	3747242.533	19.32
LOCATION	L0003273	VOLUME	378334.743	3747242.546	19.30
LOCATION	L0003274	VOLUME	378338.401	3747242.560	19.27
LOCATION	L0003275	VOLUME	378342.058	3747242.574	19.25
LOCATION	L0003276	VOLUME	378345.716	3747242.587	19.23
LOCATION	L0003277	VOLUME	378349.373	3747242.601	19.22
LOCATION	L0003278	VOLUME	378353.031	3747242.615	19.22
LOCATION	L0003279	VOLUME	378356.689	3747242.628	19.21
LOCATION	L0003280	VOLUME	378360.346	3747242.642	19.20
LOCATION	L0003281	VOLUME	378364.004	3747242.656	19.20
LOCATION	L0003282	VOLUME	378367.661	3747242.669	19.19
LOCATION	L0003283	VOLUME	378371.319	3747242.683	19.18
LOCATION	L0003284	VOLUME	378374.976	3747242.697	19.19
LOCATION	L0003285	VOLUME	378378.634	3747242.710	19.19
LOCATION	L0003286	VOLUME	378382.292	3747242.724	19.19
LOCATION	L0003287	VOLUME	378385.949	3747242.738	19.19
LOCATION	L0003288	VOLUME	378389.607	3747242.751	19.19
LOCATION	L0003289	VOLUME	378393.264	3747242.765	19.19
LOCATION	L0003290	VOLUME	378396.922	3747242.779	19.18
LOCATION	L0003291	VOLUME	378400.579	3747242.792	19.15
LOCATION	L0003292	VOLUME	378404.237	3747242.806	19.12
LOCATION	L0003293	VOLUME	378407.895	3747242.820	19.09
LOCATION	L0003294	VOLUME	378411.552	3747242.833	19.05
LOCATION	L0003295	VOLUME	378415.210	3747242.847	19.02
LOCATION	L0003296	VOLUME	378418.867	3747242.861	18.99
LOCATION	L0003297	VOLUME	378422.525	3747242.874	18.97
LOCATION	L0003298	VOLUME	378426.182	3747242.888	19.00
LOCATION	L0003299	VOLUME	378429.840	3747242.902	19.03
LOCATION	L0003300	VOLUME	378433.498	3747242.915	19.07
LOCATION	L0003301	VOLUME	378437.155	3747242.929	19.10
LOCATION	L0003302	VOLUME	378440.813	3747242.943	19.13
LOCATION	L0003303	VOLUME	378444.470	3747242.957	19.17
LOCATION	L0003304	VOLUME	378448.128	3747242.970	19.19
LOCATION	L0003305	VOLUME	378451.786	3747242.984	19.19
LOCATION	L0003306	VOLUME	378455.443	3747242.998	19.18
LOCATION	L0003307	VOLUME	378459.101	3747243.011	19.18
LOCATION	L0003308	VOLUME	378462.758	3747243.025	19.17
LOCATION	L0003309	VOLUME	378466.416	3747243.039	19.17
LOCATION	L0003310	VOLUME	378470.073	3747243.052	19.17
LOCATION	L0003311	VOLUME	378473.731	3747243.066	19.16
LOCATION	L0003312	VOLUME	378477.389	3747243.080	19.14
LOCATION	L0003313	VOLUME	378481.046	3747243.093	19.11
LOCATION	L0003314	VOLUME	378484.704	3747243.107	19.08
LOCATION	L0003315	VOLUME	378488.361	3747243.121	19.06
LOCATION	L0003316	VOLUME	378492.019	3747243.134	19.03
LOCATION	L0003317	VOLUME	378495.676	3747243.148	19.01
LOCATION	L0003318	VOLUME	378499.334	3747243.162	18.98
LOCATION	L0003319	VOLUME	378502.992	3747243.175	18.96

LOCATION	L0003320	VOLUME	378506.649	3747243.189	18.94
LOCATION	L0003321	VOLUME	378510.307	3747243.203	18.92
LOCATION	L0003322	VOLUME	378513.964	3747243.216	18.90
LOCATION	L0003323	VOLUME	378517.622	3747243.230	18.88
LOCATION	L0003324	VOLUME	378521.279	3747243.244	18.87
LOCATION	L0003325	VOLUME	378524.937	3747243.257	18.85
LOCATION	L0003326	VOLUME	378528.595	3747243.271	18.83
LOCATION	L0003327	VOLUME	378532.252	3747243.285	18.82
LOCATION	L0003328	VOLUME	378535.910	3747243.298	18.81
LOCATION	L0003329	VOLUME	378539.567	3747243.312	18.79
LOCATION	L0003330	VOLUME	378543.225	3747243.326	18.78
LOCATION	L0003331	VOLUME	378546.882	3747243.339	18.76
LOCATION	L0003332	VOLUME	378550.540	3747243.353	18.75
LOCATION	L0003333	VOLUME	378554.198	3747243.367	18.72
LOCATION	L0003334	VOLUME	378557.855	3747243.380	18.70
LOCATION	L0003335	VOLUME	378561.513	3747243.394	18.68
LOCATION	L0003336	VOLUME	378565.170	3747243.408	18.66
LOCATION	L0003337	VOLUME	378568.828	3747243.421	18.63
LOCATION	L0003338	VOLUME	378572.485	3747243.435	18.61
LOCATION	L0003339	VOLUME	378576.143	3747243.449	18.59
LOCATION	L0003340	VOLUME	378579.801	3747243.462	18.60
LOCATION	L0003341	VOLUME	378583.458	3747243.476	18.61
LOCATION	L0003342	VOLUME	378587.116	3747243.490	18.62
LOCATION	L0003343	VOLUME	378590.773	3747243.504	18.63
LOCATION	L0003344	VOLUME	378594.431	3747243.517	18.65
LOCATION	L0003345	VOLUME	378598.088	3747243.531	18.66
LOCATION	L0003346	VOLUME	378601.746	3747243.545	18.67
LOCATION	L0003347	VOLUME	378605.404	3747243.558	18.68
LOCATION	L0003348	VOLUME	378609.061	3747243.572	18.68
LOCATION	L0003349	VOLUME	378612.719	3747243.586	18.69
LOCATION	L0003350	VOLUME	378616.376	3747243.599	18.69
LOCATION	L0003351	VOLUME	378620.034	3747243.613	18.69
LOCATION	L0003352	VOLUME	378623.692	3747243.627	18.70
LOCATION	L0003353	VOLUME	378627.349	3747243.640	18.70
LOCATION	L0003354	VOLUME	378631.007	3747243.654	18.68
LOCATION	L0003355	VOLUME	378634.664	3747243.668	18.65
LOCATION	L0003356	VOLUME	378638.322	3747243.681	18.63
LOCATION	L0003357	VOLUME	378641.979	3747243.695	18.60
LOCATION	L0003358	VOLUME	378645.637	3747243.709	18.57
LOCATION	L0003359	VOLUME	378649.295	3747243.722	18.55
LOCATION	L0003360	VOLUME	378652.952	3747243.736	18.52
LOCATION	L0003361	VOLUME	378656.610	3747243.750	18.49
LOCATION	L0003362	VOLUME	378660.267	3747243.763	18.47
LOCATION	L0003363	VOLUME	378663.925	3747243.777	18.44
LOCATION	L0003364	VOLUME	378667.582	3747243.791	18.41
LOCATION	L0003365	VOLUME	378671.240	3747243.804	18.39
LOCATION	L0003366	VOLUME	378674.898	3747243.818	18.36
LOCATION	L0003367	VOLUME	378678.555	3747243.832	18.33
LOCATION	L0003368	VOLUME	378682.213	3747243.845	18.33
LOCATION	L0003369	VOLUME	378685.870	3747243.859	18.34
LOCATION	L0003370	VOLUME	378689.528	3747243.873	18.35

LOCATION	L0003371	VOLUME	378693.185	3747243.886	18.35
LOCATION	L0003372	VOLUME	378696.843	3747243.900	18.36
LOCATION	L0003373	VOLUME	378700.501	3747243.914	18.36
** End of LINE VOLUME Source ID = SLINE5					
** Source Parameters **					
SRCPARAM	STCK1	0.000013	3.658	366.000	51.90000 0.091
SRCPARAM	STCK2	0.000013	3.658	366.000	51.90000 0.091
SRCPARAM	STCK3	0.000013	3.658	366.000	51.90000 0.091
SRCPARAM	STCK4	0.000013	3.658	366.000	51.90000 0.091
SRCPARAM	STCK5	0.000013	3.658	366.000	51.90000 0.091
SRCPARAM	STCK6	0.000013	3.658	366.000	51.90000 0.091
** LINE VOLUME Source ID = SLINE1					
SRCPARAM	L0002636	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002637	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002638	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002639	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002640	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002641	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002642	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002643	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002644	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002645	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002646	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002647	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002648	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002649	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002650	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002651	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002652	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002653	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002654	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002655	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002656	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002657	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002658	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002659	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002660	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002661	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002662	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002663	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002664	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002665	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002666	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002667	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002668	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002669	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002670	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002671	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002672	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002673	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002674	0.00000002911	0.00	1.70	5.10

SRCPARAM	L0002675	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002676	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002677	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002678	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002679	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002680	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002681	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002682	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002683	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002684	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002685	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002686	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002687	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002688	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002689	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002690	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002691	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002692	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002693	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002694	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002695	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002696	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002697	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002698	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002699	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002700	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002701	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002702	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002703	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002704	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002705	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002706	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002707	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002708	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002709	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002710	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002711	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002712	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002713	0.00000002911	0.00	1.70	5.10
SRCPARAM	L0002714	0.00000002911	0.00	1.70	5.10

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\*\* LINE VOLUME Source ID = SLINE2

SRCPARAM	L0002715	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002716	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002717	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002718	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002719	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002720	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002721	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002722	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002723	0.00000002915	0.00	1.70	5.10

SRCPARAM	L0002724	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002725	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002726	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002727	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002728	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002729	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002730	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002731	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002732	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002733	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002734	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002735	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002736	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002737	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002738	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002739	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002740	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002741	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002742	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002743	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002744	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002745	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002746	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002747	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002748	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002749	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002750	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002751	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002752	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002753	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002754	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002755	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002756	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002757	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002758	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002759	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002760	0.00000002915	0.00	1.70	5.10
SRCPARAM	L0002761	0.00000002915	0.00	1.70	5.10

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**	LINE VOLUME Source ID = SLINE3				
SRCPARAM	L0002762	0.00000003664	0.00	1.70	0.85
SRCPARAM	L0002763	0.00000003664	0.00	1.70	0.85
SRCPARAM	L0002764	0.00000003664	0.00	1.70	0.85
SRCPARAM	L0002765	0.00000003664	0.00	1.70	0.85
SRCPARAM	L0002766	0.00000003664	0.00	1.70	0.85
SRCPARAM	L0002767	0.00000003664	0.00	1.70	0.85
SRCPARAM	L0002768	0.00000003664	0.00	1.70	0.85
SRCPARAM	L0002769	0.00000003664	0.00	1.70	0.85
SRCPARAM	L0002770	0.00000003664	0.00	1.70	0.85
SRCPARAM	L0002771	0.00000003664	0.00	1.70	0.85
SRCPARAM	L0002772	0.00000003664	0.00	1.70	0.85







SRCPARAM	L0002875	0.00000003664	0.00	1.70	0.85
SRCPARAM	L0002876	0.00000003664	0.00	1.70	0.85
SRCPARAM	L0002877	0.00000003664	0.00	1.70	0.85

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\*\* LINE VOLUME Source ID = SLINE4

SRCPARAM	L0002878	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002879	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002880	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002881	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002882	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002883	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002884	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002885	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002886	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002887	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002888	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002889	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002890	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002891	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002892	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002893	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002894	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002895	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002896	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002897	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002898	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002899	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002900	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002901	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002902	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002903	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002904	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002905	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002906	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002907	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002908	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002909	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002910	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002911	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002912	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002913	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002914	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002915	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002916	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002917	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002918	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002919	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002920	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002921	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002922	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002923	0.00000001627	0.00	1.70	0.85

SRCPARAM	L0002924	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002925	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002926	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002927	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002928	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002929	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002930	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002931	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002932	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002933	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002934	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002935	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002936	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002937	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002938	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002939	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002940	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002941	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002942	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002943	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002944	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002945	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002946	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002947	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002948	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002949	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002950	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002951	0.00000001627	0.00	1.70	0.85
SRCPARAM	L0002952	0.00000001627	0.00	1.70	0.85

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\*\* LINE VOLUME Source ID = SLINE5

SRCPARAM	L0002953	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002954	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002955	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002956	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002957	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002958	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002959	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002960	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002961	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002962	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002963	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002964	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002965	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002966	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002967	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002968	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002969	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002970	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002971	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0002972	0.00000002637	0.00	1.70	0.85

















SRCPARAM	L0003330	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003331	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003332	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003333	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003334	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003335	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003336	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003337	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003338	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003339	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003340	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003341	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003342	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003343	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003344	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003345	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003346	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003347	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003348	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003349	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003350	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003351	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003352	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003353	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003354	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003355	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003356	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003357	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003358	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003359	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003360	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003361	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003362	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003363	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003364	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003365	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003366	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003367	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003368	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003369	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003370	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003371	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003372	0.00000002637	0.00	1.70	0.85
SRCPARAM	L0003373	0.00000002637	0.00	1.70	0.85

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** Building Downwash **						
BUILDHGT STCK1	10.97	10.97	10.97	10.97	10.97	10.97
BUILDHGT STCK1	10.97	10.97	10.97	10.97	10.97	10.97
BUILDHGT STCK1	10.97	10.97	10.97	10.97	10.97	10.97
BUILDHGT STCK1	10.97	10.97	10.97	10.97	10.97	10.97



BUILDWID	STCK3	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK3	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK3	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK3	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK3	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK3	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK4	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK4	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK4	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK4	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK4	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK4	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK5	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK5	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK5	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK5	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK5	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK5	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK6	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK6	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK6	231.78	250.76	262.13	265.53	260.86	249.57
BUILDWID	STCK6	264.00	270.42	268.61	258.65	240.82	215.68
BUILDWID	STCK6	183.99	146.70	107.24	144.21	176.80	205.75
BUILDWID	STCK6	231.78	250.76	262.13	265.53	260.86	249.57
BUILDLN	STCK1	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK1	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK1	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK1	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK1	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK1	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK2	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK2	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK2	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK2	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK2	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK2	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK3	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK3	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK3	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK3	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK3	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK3	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK4	144.21	176.80	205.75	231.78	250.76	262.13

BUILDLN	STCK4	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK4	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK4	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK4	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK4	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK5	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK5	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK5	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK5	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK5	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK5	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK5	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK6	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK6	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK6	258.65	240.82	215.68	183.99	146.70	107.24
BUILDLN	STCK6	144.21	176.80	205.75	231.78	250.76	262.13
BUILDLN	STCK6	265.53	260.86	249.57	264.00	270.42	268.61
BUILDLN	STCK6	258.65	240.82	215.68	183.99	146.70	107.24
XBADJ	STCK1	-115.36	-116.76	-114.61	-108.97	-100.03	-88.04
XBADJ	STCK1	-73.38	-56.50	-38.21	-36.96	-34.58	-31.16
XBADJ	STCK1	-26.78	-21.60	-15.75	-9.43	-2.82	3.22
XBADJ	STCK1	-28.85	-60.04	-91.14	-122.80	-150.73	-174.08
XBADJ	STCK1	-192.15	-204.37	-211.36	-227.05	-235.84	-237.46
XBADJ	STCK1	-231.87	-219.23	-199.93	-174.56	-143.88	-110.46
XBADJ	STCK2	-121.68	-128.23	-130.88	-129.56	-124.30	-115.26
XBADJ	STCK2	-102.72	-87.06	-69.08	-67.19	-63.26	-57.41
XBADJ	STCK2	-49.81	-40.70	-30.35	-19.08	-7.23	4.19
XBADJ	STCK2	-22.53	-48.57	-74.87	-102.22	-126.46	-146.87
XBADJ	STCK2	-162.80	-173.80	-180.49	-196.81	-207.16	-211.21
XBADJ	STCK2	-208.84	-200.13	-185.33	-164.91	-139.47	-111.43
XBADJ	STCK3	-126.63	-137.65	-144.49	-146.94	-144.93	-138.51
XBADJ	STCK3	-127.88	-113.37	-95.73	-93.38	-88.19	-80.32
XBADJ	STCK3	-70.01	-57.57	-43.39	-27.88	-11.53	4.52
XBADJ	STCK3	-17.58	-39.14	-61.26	-84.84	-105.84	-123.62
XBADJ	STCK3	-137.65	-147.50	-153.84	-170.63	-182.23	-188.29
XBADJ	STCK3	-188.64	-183.25	-172.30	-156.10	-135.17	-111.76
XBADJ	STCK4	-131.99	-148.21	-159.93	-166.78	-168.57	-165.24
XBADJ	STCK4	-156.89	-143.77	-126.60	-123.78	-117.20	-107.05
XBADJ	STCK4	-93.66	-77.42	-58.82	-38.44	-16.89	4.52
XBADJ	STCK4	-12.22	-28.59	-45.82	-64.99	-82.19	-96.89
XBADJ	STCK4	-108.64	-117.09	-122.97	-140.23	-153.22	-161.56
XBADJ	STCK4	-164.99	-163.41	-156.86	-145.55	-129.81	-111.76
XBADJ	STCK5	-136.96	-157.99	-174.23	-185.17	-190.48	-190.01
XBADJ	STCK5	-183.76	-171.93	-155.20	-151.94	-144.07	-131.82
XBADJ	STCK5	-115.57	-95.80	-73.12	-48.22	-21.86	4.52

XBADJ	STCK5	-7.25	-18.80	-31.52	-46.61	-60.28	-72.12
XBADJ	STCK5	-81.77	-88.93	-94.37	-112.06	-126.35	-136.79
XBADJ	STCK5	-143.08	-145.02	-142.56	-135.76	-124.84	-111.76
XBADJ	STCK6	-142.35	-168.30	-189.13	-204.21	-213.10	-215.50
XBADJ	STCK6	-211.36	-200.80	-184.45	-180.69	-171.45	-156.99
XBADJ	STCK6	-137.77	-114.36	-87.47	-57.93	-26.62	4.84
XBADJ	STCK6	-1.86	-8.50	-16.62	-27.56	-37.67	-46.63
XBADJ	STCK6	-54.17	-60.07	-65.12	-83.31	-98.97	-111.62
XBADJ	STCK6	-120.88	-126.47	-128.21	-126.06	-120.08	-112.08
YBADJ	STCK1	-95.04	-100.63	-103.15	-102.54	-98.82	-92.09
YBADJ	STCK1	-82.56	-70.53	-56.84	-43.26	-28.36	-11.73
YBADJ	STCK1	6.92	25.35	43.02	59.38	73.94	86.58
YBADJ	STCK1	95.04	100.63	103.15	102.54	98.82	92.09
YBADJ	STCK1	82.56	70.53	56.84	43.26	28.36	11.73
YBADJ	STCK1	-6.92	-25.35	-43.02	-59.38	-73.94	-86.58
YBADJ	STCK2	-64.81	-71.95	-76.90	-79.52	-79.72	-77.49
YBADJ	STCK2	-72.92	-66.12	-57.81	-49.57	-39.83	-28.01
YBADJ	STCK2	-13.67	1.08	15.80	30.04	43.37	55.71
YBADJ	STCK2	64.81	71.95	76.90	79.52	79.72	77.49
YBADJ	STCK2	72.92	66.12	57.81	49.57	39.83	28.01
YBADJ	STCK2	13.67	-1.08	-15.80	-30.04	-43.37	-55.71
YBADJ	STCK3	-38.62	-47.02	-53.99	-59.31	-62.84	-64.45
YBADJ	STCK3	-64.11	-61.82	-58.14	-54.53	-49.25	-41.62
YBADJ	STCK3	-31.05	-19.55	-7.44	4.88	17.06	29.06
YBADJ	STCK3	38.62	47.02	53.99	59.31	62.84	64.45
YBADJ	STCK3	64.11	61.82	58.14	54.53	49.25	41.62
YBADJ	STCK3	31.05	19.55	7.44	-4.88	-17.06	-29.06
YBADJ	STCK4	-8.22	-18.01	-27.25	-35.67	-43.00	-49.02
YBADJ	STCK4	-53.55	-56.46	-58.14	-59.89	-59.81	-57.05
YBADJ	STCK4	-50.90	-43.19	-34.18	-24.12	-13.34	-1.81
YBADJ	STCK4	8.22	18.01	27.25	35.67	43.00	49.02
YBADJ	STCK4	53.55	56.46	58.14	59.89	59.81	57.05
YBADJ	STCK4	50.90	43.19	34.18	24.12	13.34	1.81
YBADJ	STCK5	19.94	8.86	-2.48	-13.76	-24.61	-34.72
YBADJ	STCK5	-43.77	-51.49	-58.14	-64.85	-69.59	-71.35
YBADJ	STCK5	-69.28	-65.10	-58.95	-51.00	-41.50	-30.41
YBADJ	STCK5	-19.94	-8.86	2.48	13.76	24.61	34.72
YBADJ	STCK5	43.77	51.49	58.14	64.85	69.59	71.35
YBADJ	STCK5	69.28	65.10	58.95	51.00	41.50	30.41
YBADJ	STCK6	48.69	36.24	22.69	8.44	-6.06	-20.37
YBADJ	STCK6	-34.07	-46.73	-58.46	-70.25	-79.90	-86.25
YBADJ	STCK6	-88.33	-87.71	-84.44	-78.59	-70.36	-59.66
YBADJ	STCK6	-48.69	-36.24	-22.69	-8.44	6.06	20.37
YBADJ	STCK6	34.07	46.73	58.46	70.25	79.90	86.25



YBADJ STCK6 88.33 87.71 84.44 78.59 70.36 59.66

URBANSRC ALL  
SRCGROUP ALL

SO FINISHED

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\*\* AERMOD Receptor Pathway

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RE STARTING

INCLUDED "190th Street Warehouse 2040-2053.rou"

RE FINISHED

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\*\* AERMOD Meteorology Pathway

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ME STARTING

SURFFILE "E:\New MET data\KHHR\_V9\_ADJU\KHHR\_v9.SFC"

PROFFILE "E:\New MET data\KHHR\_V9\_ADJU\KHHR\_v9.PFL"

SURFDATA 3167 2012

UAIRDATA 3190 2012

PROFBASE 19.0 METERS

ME FINISHED

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\*\* AERMOD Output Pathway

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\*\*

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OU STARTING

\*\* Auto-Generated Plotfiles

PLOTFILE PERIOD ALL "190TH STREET WAREHOUSE 2040-2053.AD\PE00GALL.PLT" 31

SUMMFILE "190th Street Warehouse 2040-2053.sum"

OU FINISHED

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

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

A Total of 0 Fatal Error Message(s)  
A Total of 8 Warning Message(s)  
A Total of 0 Informational Message(s)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

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***** WARNING MESSAGES *****
SO W320      872      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      873      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      874      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      875      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      876      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
SO W320      877      PPARM: Input Parameter May Be Out-of-Range for Parameter      VS
ME W186      1862     MEOPEN: THRESH_LMIN 1-min ASOS wind speed threshold used      0.50
ME W187      1862     MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

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*** AERMOD - VERSION 19191 ***      *** 190th St Warehouse 2040-2053      ***      05/15/20
*** AERMET - VERSION 16216 ***      *** DPM concentrations second 14YR Exposure      ***      08:46:26
*** MODELOPTs:      RegDFault CONC ELEV URBAN ADJ_U*      ***      PAGE 1

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\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

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

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-- 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

```

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**Model Uses URBAN Dispersion Algorithm for the SBL for 744 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9818605.0 ; Urban Roughness Length = 1.000 m

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**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.

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

```

\*\*Model Assumes No FLAGPOLE Receptor Heights.

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

\*\*Model Calculates PERIOD Averages Only

\*\*This Run Includes: 744 Source(s); 1 Source Group(s); and 449 Receptor(s)

with: 6 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 738 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 RLINE/RLINEXT source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

\*\*The AERMET Input Meteorological Data Version Date: 16216

\*\*Output Options Selected:

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

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

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 19.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0  
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07  
Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 4.9 MB of RAM.

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

\*\*Detailed Error/Message File: 190th Street Warehouse 2040-2053.err  
\*\*File for Summary of Results: 190th Street Warehouse 2040-2053.sum

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\* 190th St Warehouse 2040-2053 \*\*\* 05/15/20  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\* DPM concentrations second 14YR Exposure \*\*\* 08:46:26  
PAGE 2

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* POINT SOURCE DATA \*\*\*

NUMBER	EMISSION RATE	BASE	STACK	STACK	STACK	STACK	BLDG	URBAN	CAP/	EMIS RATE
--------	---------------	------	-------	-------	-------	-------	------	-------	------	-----------

SOURCE ID	PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	TEMP. (DEG.K)	EXIT VEL. (M/SEC)	DIAMETER (METERS)	EXISTS	SOURCE HOR	SCALAR VARY BY
STCK1	0	0.13000E-04	377375.1	3747396.4	19.2	3.66	366.00	51.90	0.09	YES	YES	NO
STCK2	0	0.13000E-04	377406.0	3747397.4	19.4	3.66	366.00	51.90	0.09	YES	YES	NO
STCK3	0	0.13000E-04	377432.7	3747397.7	19.6	3.66	366.00	51.90	0.09	YES	YES	NO
STCK4	0	0.13000E-04	377463.5	3747397.7	19.8	3.66	366.00	51.90	0.09	YES	YES	NO
STCK5	0	0.13000E-04	377492.1	3747397.7	20.1	3.66	366.00	51.90	0.09	YES	YES	NO
STCK6	0	0.13000E-04	377521.4	3747398.1	20.6	3.66	366.00	51.90	0.09	YES	YES	NO

\*\*\* AERMOD - VERSION 19191 \*\*\*     \*\*\* 190th St Warehouse 2040-2053     \*\*\*     05/15/20  
\*\*\* AERMET - VERSION 16216 \*\*\*     \*\*\* DPM concentrations second 14YR Exposure     \*\*\*     08:46:26  
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\*\*\* MODELOPTs:     RegDFault CONC     ELEV     URBAN     ADJ\_U\*

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

SOURCE ID	PART. CATS.	NUMBER 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
L0002636	0	0.29110E-07	377311.4	3747422.7	19.0	0.00	1.70	5.10	YES	
L0002637	0	0.29110E-07	377315.0	3747422.7	19.0	0.00	1.70	5.10	YES	
L0002638	0	0.29110E-07	377318.7	3747422.7	19.0	0.00	1.70	5.10	YES	
L0002639	0	0.29110E-07	377322.3	3747422.7	19.0	0.00	1.70	5.10	YES	
L0002640	0	0.29110E-07	377326.0	3747422.7	19.0	0.00	1.70	5.10	YES	
L0002641	0	0.29110E-07	377329.7	3747422.8	19.1	0.00	1.70	5.10	YES	
L0002642	0	0.29110E-07	377333.3	3747422.8	19.1	0.00	1.70	5.10	YES	
L0002643	0	0.29110E-07	377337.0	3747422.8	19.1	0.00	1.70	5.10	YES	
L0002644	0	0.29110E-07	377340.6	3747422.8	19.1	0.00	1.70	5.10	YES	
L0002645	0	0.29110E-07	377344.3	3747422.8	19.1	0.00	1.70	5.10	YES	
L0002646	0	0.29110E-07	377347.9	3747422.8	19.1	0.00	1.70	5.10	YES	
L0002647	0	0.29110E-07	377351.6	3747422.9	19.2	0.00	1.70	5.10	YES	
L0002648	0	0.29110E-07	377355.3	3747422.9	19.2	0.00	1.70	5.10	YES	
L0002649	0	0.29110E-07	377358.9	3747422.9	19.2	0.00	1.70	5.10	YES	
L0002650	0	0.29110E-07	377362.6	3747422.9	19.3	0.00	1.70	5.10	YES	
L0002651	0	0.29110E-07	377366.2	3747422.9	19.3	0.00	1.70	5.10	YES	
L0002652	0	0.29110E-07	377369.9	3747423.0	19.3	0.00	1.70	5.10	YES	
L0002653	0	0.29110E-07	377373.5	3747423.0	19.4	0.00	1.70	5.10	YES	
L0002654	0	0.29110E-07	377377.2	3747423.0	19.4	0.00	1.70	5.10	YES	
L0002655	0	0.29110E-07	377380.9	3747423.0	19.4	0.00	1.70	5.10	YES	
L0002656	0	0.29110E-07	377384.5	3747423.0	19.4	0.00	1.70	5.10	YES	
L0002657	0	0.29110E-07	377388.2	3747423.0	19.4	0.00	1.70	5.10	YES	
L0002658	0	0.29110E-07	377391.8	3747423.1	19.5	0.00	1.70	5.10	YES	
L0002659	0	0.29110E-07	377395.5	3747423.1	19.5	0.00	1.70	5.10	YES	
L0002660	0	0.29110E-07	377399.2	3747423.1	19.5	0.00	1.70	5.10	YES	
L0002661	0	0.29110E-07	377402.8	3747423.1	19.6	0.00	1.70	5.10	YES	
L0002662	0	0.29110E-07	377406.5	3747423.1	19.6	0.00	1.70	5.10	YES	

L0002663	0	0.29110E-07	377410.1	3747423.1	19.6	0.00	1.70	5.10	YES
L0002664	0	0.29110E-07	377413.8	3747423.2	19.6	0.00	1.70	5.10	YES
L0002665	0	0.29110E-07	377417.4	3747423.2	19.6	0.00	1.70	5.10	YES
L0002666	0	0.29110E-07	377421.1	3747423.2	19.7	0.00	1.70	5.10	YES
L0002667	0	0.29110E-07	377424.8	3747423.2	19.7	0.00	1.70	5.10	YES
L0002668	0	0.29110E-07	377428.4	3747423.2	19.7	0.00	1.70	5.10	YES
L0002669	0	0.29110E-07	377432.1	3747423.2	19.8	0.00	1.70	5.10	YES
L0002670	0	0.29110E-07	377435.7	3747423.3	19.8	0.00	1.70	5.10	YES
L0002671	0	0.29110E-07	377439.4	3747423.3	19.8	0.00	1.70	5.10	YES
L0002672	0	0.29110E-07	377443.0	3747423.3	19.8	0.00	1.70	5.10	YES
L0002673	0	0.29110E-07	377446.7	3747423.3	19.9	0.00	1.70	5.10	YES
L0002674	0	0.29110E-07	377450.4	3747423.3	19.9	0.00	1.70	5.10	YES
L0002675	0	0.29110E-07	377454.0	3747423.3	19.9	0.00	1.70	5.10	YES

\*\*\* AERMOT - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations second 14YR Exposure      \*\*\*      08:46:26  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002676	0	0.29110E-07	377457.7	3747423.4	19.9	0.00	1.70	5.10	YES	
L0002677	0	0.29110E-07	377461.3	3747423.4	19.9	0.00	1.70	5.10	YES	
L0002678	0	0.29110E-07	377465.0	3747423.4	20.0	0.00	1.70	5.10	YES	
L0002679	0	0.29110E-07	377468.6	3747423.4	20.0	0.00	1.70	5.10	YES	
L0002680	0	0.29110E-07	377472.3	3747423.4	20.0	0.00	1.70	5.10	YES	
L0002681	0	0.29110E-07	377476.0	3747423.4	20.0	0.00	1.70	5.10	YES	
L0002682	0	0.29110E-07	377479.6	3747423.5	20.1	0.00	1.70	5.10	YES	
L0002683	0	0.29110E-07	377483.3	3747423.5	20.1	0.00	1.70	5.10	YES	
L0002684	0	0.29110E-07	377486.9	3747423.5	20.1	0.00	1.70	5.10	YES	
L0002685	0	0.29110E-07	377490.6	3747423.5	20.1	0.00	1.70	5.10	YES	
L0002686	0	0.29110E-07	377494.2	3747423.5	20.2	0.00	1.70	5.10	YES	
L0002687	0	0.29110E-07	377497.9	3747423.6	20.2	0.00	1.70	5.10	YES	
L0002688	0	0.29110E-07	377501.6	3747423.6	20.2	0.00	1.70	5.10	YES	
L0002689	0	0.29110E-07	377505.2	3747423.6	20.2	0.00	1.70	5.10	YES	
L0002690	0	0.29110E-07	377508.9	3747423.6	20.2	0.00	1.70	5.10	YES	
L0002691	0	0.29110E-07	377512.5	3747423.6	20.2	0.00	1.70	5.10	YES	
L0002692	0	0.29110E-07	377516.2	3747423.6	20.2	0.00	1.70	5.10	YES	
L0002693	0	0.29110E-07	377519.9	3747423.7	20.2	0.00	1.70	5.10	YES	
L0002694	0	0.29110E-07	377523.5	3747423.7	20.2	0.00	1.70	5.10	YES	
L0002695	0	0.29110E-07	377527.2	3747423.7	20.3	0.00	1.70	5.10	YES	
L0002696	0	0.29110E-07	377530.8	3747423.7	20.3	0.00	1.70	5.10	YES	
L0002697	0	0.29110E-07	377534.5	3747423.7	20.4	0.00	1.70	5.10	YES	
L0002698	0	0.29110E-07	377538.1	3747423.7	20.4	0.00	1.70	5.10	YES	
L0002699	0	0.29110E-07	377541.8	3747423.8	20.5	0.00	1.70	5.10	YES	

L0002700	0	0.29110E-07	377545.5	3747423.8	20.5	0.00	1.70	5.10	YES
L0002701	0	0.29110E-07	377549.1	3747423.8	20.6	0.00	1.70	5.10	YES
L0002702	0	0.29110E-07	377552.8	3747423.8	20.6	0.00	1.70	5.10	YES
L0002703	0	0.29110E-07	377556.4	3747423.8	20.6	0.00	1.70	5.10	YES
L0002704	0	0.29110E-07	377560.1	3747423.8	20.6	0.00	1.70	5.10	YES
L0002705	0	0.29110E-07	377563.7	3747423.9	20.5	0.00	1.70	5.10	YES
L0002706	0	0.29110E-07	377567.4	3747423.9	20.5	0.00	1.70	5.10	YES
L0002707	0	0.29110E-07	377571.1	3747423.9	20.5	0.00	1.70	5.10	YES
L0002708	0	0.29110E-07	377574.7	3747423.9	20.5	0.00	1.70	5.10	YES
L0002709	0	0.29110E-07	377578.4	3747423.9	20.5	0.00	1.70	5.10	YES
L0002710	0	0.29110E-07	377582.0	3747423.9	20.4	0.00	1.70	5.10	YES
L0002711	0	0.29110E-07	377585.7	3747424.0	20.4	0.00	1.70	5.10	YES
L0002712	0	0.29110E-07	377589.3	3747424.0	20.3	0.00	1.70	5.10	YES
L0002713	0	0.29110E-07	377593.0	3747424.0	20.3	0.00	1.70	5.10	YES
L0002714	0	0.29110E-07	377596.7	3747424.0	20.2	0.00	1.70	5.10	YES
L0002715	0	0.29150E-07	377606.9	3747421.7	20.1	0.00	1.70	5.10	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations second 14YR Exposure

\*\*\*      05/15/20  
 \*\*\*      08:46:26  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	PART. CATS.	NUMBER 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
L0002716	0	0.29150E-07	377606.9	3747418.1	20.2	0.00	1.70	5.10	YES	
L0002717	0	0.29150E-07	377606.9	3747414.4	20.2	0.00	1.70	5.10	YES	
L0002718	0	0.29150E-07	377606.9	3747410.8	20.3	0.00	1.70	5.10	YES	
L0002719	0	0.29150E-07	377606.9	3747407.1	20.3	0.00	1.70	5.10	YES	
L0002720	0	0.29150E-07	377606.9	3747403.5	20.3	0.00	1.70	5.10	YES	
L0002721	0	0.29150E-07	377606.9	3747399.8	20.3	0.00	1.70	5.10	YES	
L0002722	0	0.29150E-07	377606.9	3747396.1	20.3	0.00	1.70	5.10	YES	
L0002723	0	0.29150E-07	377607.0	3747392.5	20.3	0.00	1.70	5.10	YES	
L0002724	0	0.29150E-07	377607.0	3747388.8	20.3	0.00	1.70	5.10	YES	
L0002725	0	0.29150E-07	377607.0	3747385.2	20.3	0.00	1.70	5.10	YES	
L0002726	0	0.29150E-07	377607.0	3747381.5	20.3	0.00	1.70	5.10	YES	
L0002727	0	0.29150E-07	377607.0	3747377.8	20.3	0.00	1.70	5.10	YES	
L0002728	0	0.29150E-07	377607.0	3747374.2	20.3	0.00	1.70	5.10	YES	
L0002729	0	0.29150E-07	377607.0	3747370.5	20.3	0.00	1.70	5.10	YES	
L0002730	0	0.29150E-07	377607.0	3747366.9	20.2	0.00	1.70	5.10	YES	
L0002731	0	0.29150E-07	377607.0	3747363.2	20.1	0.00	1.70	5.10	YES	
L0002732	0	0.29150E-07	377607.0	3747359.6	20.1	0.00	1.70	5.10	YES	
L0002733	0	0.29150E-07	377607.1	3747355.9	20.0	0.00	1.70	5.10	YES	
L0002734	0	0.29150E-07	377607.1	3747352.2	20.0	0.00	1.70	5.10	YES	
L0002735	0	0.29150E-07	377607.1	3747348.6	19.9	0.00	1.70	5.10	YES	
L0002736	0	0.29150E-07	377607.1	3747344.9	19.9	0.00	1.70	5.10	YES	

L0002737	0	0.29150E-07	377607.1	3747341.3	19.8	0.00	1.70	5.10	YES
L0002738	0	0.29150E-07	377607.1	3747337.6	19.8	0.00	1.70	5.10	YES
L0002739	0	0.29150E-07	377607.1	3747334.0	19.8	0.00	1.70	5.10	YES
L0002740	0	0.29150E-07	377607.1	3747330.3	19.7	0.00	1.70	5.10	YES
L0002741	0	0.29150E-07	377607.1	3747326.6	19.7	0.00	1.70	5.10	YES
L0002742	0	0.29150E-07	377607.1	3747323.0	19.7	0.00	1.70	5.10	YES
L0002743	0	0.29150E-07	377607.1	3747319.3	19.6	0.00	1.70	5.10	YES
L0002744	0	0.29150E-07	377607.2	3747315.7	19.6	0.00	1.70	5.10	YES
L0002745	0	0.29150E-07	377607.2	3747312.0	19.6	0.00	1.70	5.10	YES
L0002746	0	0.29150E-07	377607.2	3747308.4	19.6	0.00	1.70	5.10	YES
L0002747	0	0.29150E-07	377607.2	3747304.7	19.6	0.00	1.70	5.10	YES
L0002748	0	0.29150E-07	377607.2	3747301.0	19.7	0.00	1.70	5.10	YES
L0002749	0	0.29150E-07	377607.2	3747297.4	19.7	0.00	1.70	5.10	YES
L0002750	0	0.29150E-07	377607.2	3747293.7	19.7	0.00	1.70	5.10	YES
L0002751	0	0.29150E-07	377607.2	3747290.1	19.7	0.00	1.70	5.10	YES
L0002752	0	0.29150E-07	377607.2	3747286.4	19.7	0.00	1.70	5.10	YES
L0002753	0	0.29150E-07	377607.2	3747282.8	19.8	0.00	1.70	5.10	YES
L0002754	0	0.29150E-07	377607.3	3747279.1	19.7	0.00	1.70	5.10	YES
L0002755	0	0.29150E-07	377607.3	3747275.4	19.6	0.00	1.70	5.10	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations second 14YR Exposure      \*\*\*      08:46:26  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002756	0	0.29150E-07	377607.3	3747271.8	19.6	0.00	1.70	5.10	YES	
L0002757	0	0.29150E-07	377607.3	3747268.1	19.5	0.00	1.70	5.10	YES	
L0002758	0	0.29150E-07	377607.3	3747264.5	19.4	0.00	1.70	5.10	YES	
L0002759	0	0.29150E-07	377607.3	3747260.8	19.4	0.00	1.70	5.10	YES	
L0002760	0	0.29150E-07	377607.3	3747257.1	19.3	0.00	1.70	5.10	YES	
L0002761	0	0.29150E-07	377607.3	3747253.5	19.2	0.00	1.70	5.10	YES	
L0002762	0	0.36640E-07	377299.8	3747423.8	18.9	0.00	1.70	0.85	YES	
L0002763	0	0.36640E-07	377299.8	3747427.5	18.9	0.00	1.70	0.85	YES	
L0002764	0	0.36640E-07	377299.8	3747431.1	19.0	0.00	1.70	0.85	YES	
L0002765	0	0.36640E-07	377299.8	3747434.8	19.0	0.00	1.70	0.85	YES	
L0002766	0	0.36640E-07	377299.8	3747438.5	19.1	0.00	1.70	0.85	YES	
L0002767	0	0.36640E-07	377299.7	3747442.1	19.1	0.00	1.70	0.85	YES	
L0002768	0	0.36640E-07	377299.7	3747445.8	19.1	0.00	1.70	0.85	YES	
L0002769	0	0.36640E-07	377299.7	3747449.4	19.1	0.00	1.70	0.85	YES	
L0002770	0	0.36640E-07	377299.7	3747453.1	19.0	0.00	1.70	0.85	YES	
L0002771	0	0.36640E-07	377299.7	3747456.7	19.0	0.00	1.70	0.85	YES	
L0002772	0	0.36640E-07	377299.7	3747460.4	19.0	0.00	1.70	0.85	YES	
L0002773	0	0.36640E-07	377299.6	3747464.1	19.0	0.00	1.70	0.85	YES	





L0002811	0	0.36640E-07	377298.9	3747603.0	19.7	0.00	1.70	0.85	YES
L0002812	0	0.36640E-07	377298.9	3747606.7	19.7	0.00	1.70	0.85	YES
L0002813	0	0.36640E-07	377298.9	3747610.4	19.7	0.00	1.70	0.85	YES
L0002814	0	0.36640E-07	377298.9	3747614.0	19.8	0.00	1.70	0.85	YES
L0002815	0	0.36640E-07	377298.9	3747617.7	19.8	0.00	1.70	0.85	YES
L0002816	0	0.36640E-07	377298.8	3747621.3	19.8	0.00	1.70	0.85	YES
L0002817	0	0.36640E-07	377298.8	3747625.0	19.9	0.00	1.70	0.85	YES
L0002818	0	0.36640E-07	377298.8	3747628.7	19.9	0.00	1.70	0.85	YES
L0002819	0	0.36640E-07	377298.8	3747632.3	19.9	0.00	1.70	0.85	YES
L0002820	0	0.36640E-07	377298.8	3747636.0	19.9	0.00	1.70	0.85	YES
L0002821	0	0.36640E-07	377298.7	3747639.6	19.9	0.00	1.70	0.85	YES
L0002822	0	0.36640E-07	377298.7	3747643.3	20.0	0.00	1.70	0.85	YES
L0002823	0	0.36640E-07	377298.7	3747646.9	20.0	0.00	1.70	0.85	YES
L0002824	0	0.36640E-07	377298.7	3747650.6	20.0	0.00	1.70	0.85	YES
L0002825	0	0.36640E-07	377298.7	3747654.3	20.1	0.00	1.70	0.85	YES
L0002826	0	0.36640E-07	377298.7	3747657.9	20.1	0.00	1.70	0.85	YES
L0002827	0	0.36640E-07	377298.6	3747661.6	20.1	0.00	1.70	0.85	YES
L0002828	0	0.36640E-07	377298.6	3747665.2	20.1	0.00	1.70	0.85	YES
L0002829	0	0.36640E-07	377298.6	3747668.9	20.2	0.00	1.70	0.85	YES
L0002830	0	0.36640E-07	377298.6	3747672.5	20.2	0.00	1.70	0.85	YES
L0002831	0	0.36640E-07	377298.6	3747676.2	20.2	0.00	1.70	0.85	YES
L0002832	0	0.36640E-07	377298.5	3747679.9	20.2	0.00	1.70	0.85	YES
L0002833	0	0.36640E-07	377298.5	3747683.5	20.3	0.00	1.70	0.85	YES
L0002834	0	0.36640E-07	377298.5	3747687.2	20.3	0.00	1.70	0.85	YES
L0002835	0	0.36640E-07	377298.5	3747690.8	20.3	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 190th St Warehouse 2040-2053  
 \*\*\* DPM concentrations second 14YR Exposure

\*\*\* 05/15/20  
 \*\*\* 08:46:26  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002836	0	0.36640E-07	377298.5	3747694.5	20.3	0.00	1.70	0.85	YES	
L0002837	0	0.36640E-07	377298.5	3747698.1	20.4	0.00	1.70	0.85	YES	
L0002838	0	0.36640E-07	377298.4	3747701.8	20.4	0.00	1.70	0.85	YES	
L0002839	0	0.36640E-07	377298.4	3747705.5	20.4	0.00	1.70	0.85	YES	
L0002840	0	0.36640E-07	377298.4	3747709.1	20.5	0.00	1.70	0.85	YES	
L0002841	0	0.36640E-07	377298.4	3747712.8	20.5	0.00	1.70	0.85	YES	
L0002842	0	0.36640E-07	377298.4	3747716.4	20.5	0.00	1.70	0.85	YES	
L0002843	0	0.36640E-07	377298.3	3747720.1	20.6	0.00	1.70	0.85	YES	
L0002844	0	0.36640E-07	377298.3	3747723.7	20.6	0.00	1.70	0.85	YES	
L0002845	0	0.36640E-07	377298.3	3747727.4	20.6	0.00	1.70	0.85	YES	
L0002846	0	0.36640E-07	377298.3	3747731.1	20.6	0.00	1.70	0.85	YES	
L0002847	0	0.36640E-07	377298.3	3747734.7	20.6	0.00	1.70	0.85	YES	

L0002848	0	0.36640E-07	377298.3	3747738.4	20.6	0.00	1.70	0.85	YES
L0002849	0	0.36640E-07	377298.2	3747742.0	20.7	0.00	1.70	0.85	YES
L0002850	0	0.36640E-07	377298.2	3747745.7	20.7	0.00	1.70	0.85	YES
L0002851	0	0.36640E-07	377298.2	3747749.4	20.7	0.00	1.70	0.85	YES
L0002852	0	0.36640E-07	377298.2	3747753.0	20.7	0.00	1.70	0.85	YES
L0002853	0	0.36640E-07	377298.2	3747756.7	20.7	0.00	1.70	0.85	YES
L0002854	0	0.36640E-07	377298.1	3747760.3	20.7	0.00	1.70	0.85	YES
L0002855	0	0.36640E-07	377298.1	3747764.0	20.7	0.00	1.70	0.85	YES
L0002856	0	0.36640E-07	377298.1	3747767.6	20.7	0.00	1.70	0.85	YES
L0002857	0	0.36640E-07	377298.1	3747771.3	20.7	0.00	1.70	0.85	YES
L0002858	0	0.36640E-07	377298.1	3747775.0	20.7	0.00	1.70	0.85	YES
L0002859	0	0.36640E-07	377298.0	3747778.6	20.7	0.00	1.70	0.85	YES
L0002860	0	0.36640E-07	377298.0	3747782.3	20.7	0.00	1.70	0.85	YES
L0002861	0	0.36640E-07	377298.0	3747785.9	20.7	0.00	1.70	0.85	YES
L0002862	0	0.36640E-07	377298.0	3747789.6	20.7	0.00	1.70	0.85	YES
L0002863	0	0.36640E-07	377298.0	3747793.2	20.6	0.00	1.70	0.85	YES
L0002864	0	0.36640E-07	377298.0	3747796.9	20.6	0.00	1.70	0.85	YES
L0002865	0	0.36640E-07	377297.9	3747800.6	20.6	0.00	1.70	0.85	YES
L0002866	0	0.36640E-07	377297.9	3747804.2	20.6	0.00	1.70	0.85	YES
L0002867	0	0.36640E-07	377297.9	3747807.9	20.6	0.00	1.70	0.85	YES
L0002868	0	0.36640E-07	377297.9	3747811.5	20.6	0.00	1.70	0.85	YES
L0002869	0	0.36640E-07	377297.9	3747815.2	20.5	0.00	1.70	0.85	YES
L0002870	0	0.36640E-07	377297.8	3747818.8	20.5	0.00	1.70	0.85	YES
L0002871	0	0.36640E-07	377297.8	3747822.5	20.5	0.00	1.70	0.85	YES
L0002872	0	0.36640E-07	377297.8	3747826.2	20.5	0.00	1.70	0.85	YES
L0002873	0	0.36640E-07	377297.8	3747829.8	20.5	0.00	1.70	0.85	YES
L0002874	0	0.36640E-07	377297.8	3747833.5	20.4	0.00	1.70	0.85	YES
L0002875	0	0.36640E-07	377297.8	3747837.1	20.4	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations second 14YR Exposure

\*\*\* 05/15/20  
 \*\*\* 08:46:26  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002876	0	0.36640E-07	377297.7	3747840.8	20.4	0.00	1.70	0.85	YES	
L0002877	0	0.36640E-07	377297.7	3747844.4	20.4	0.00	1.70	0.85	YES	
L0002878	0	0.16270E-07	377157.2	3747245.3	18.2	0.00	1.70	0.85	YES	
L0002879	0	0.16270E-07	377159.0	3747248.5	18.1	0.00	1.70	0.85	YES	
L0002880	0	0.16270E-07	377160.9	3747251.7	18.1	0.00	1.70	0.85	YES	
L0002881	0	0.16270E-07	377162.7	3747254.9	18.1	0.00	1.70	0.85	YES	
L0002882	0	0.16270E-07	377164.5	3747258.0	18.1	0.00	1.70	0.85	YES	
L0002883	0	0.16270E-07	377166.3	3747261.2	18.1	0.00	1.70	0.85	YES	
L0002884	0	0.16270E-07	377168.1	3747264.4	18.0	0.00	1.70	0.85	YES	



L0002922	0	0.16270E-07	377236.6	3747385.3	18.4	0.00	1.70	0.85	YES
L0002923	0	0.16270E-07	377238.4	3747388.5	18.4	0.00	1.70	0.85	YES
L0002924	0	0.16270E-07	377240.1	3747391.8	18.4	0.00	1.70	0.85	YES
L0002925	0	0.16270E-07	377241.8	3747395.0	18.4	0.00	1.70	0.85	YES
L0002926	0	0.16270E-07	377243.6	3747398.2	18.4	0.00	1.70	0.85	YES
L0002927	0	0.16270E-07	377245.3	3747401.4	18.4	0.00	1.70	0.85	YES
L0002928	0	0.16270E-07	377247.0	3747404.6	18.4	0.00	1.70	0.85	YES
L0002929	0	0.16270E-07	377248.8	3747407.9	18.4	0.00	1.70	0.85	YES
L0002930	0	0.16270E-07	377250.5	3747411.1	18.4	0.00	1.70	0.85	YES
L0002931	0	0.16270E-07	377252.2	3747414.3	18.4	0.00	1.70	0.85	YES
L0002932	0	0.16270E-07	377254.0	3747417.5	18.4	0.00	1.70	0.85	YES
L0002933	0	0.16270E-07	377255.7	3747420.7	18.5	0.00	1.70	0.85	YES
L0002934	0	0.16270E-07	377257.5	3747423.9	18.5	0.00	1.70	0.85	YES
L0002935	0	0.16270E-07	377259.3	3747427.1	18.5	0.00	1.70	0.85	YES
L0002936	0	0.16270E-07	377261.2	3747430.3	18.6	0.00	1.70	0.85	YES
L0002937	0	0.16270E-07	377263.0	3747433.4	18.6	0.00	1.70	0.85	YES
L0002938	0	0.16270E-07	377264.8	3747436.6	18.6	0.00	1.70	0.85	YES
L0002939	0	0.16270E-07	377266.6	3747439.8	18.7	0.00	1.70	0.85	YES
L0002940	0	0.16270E-07	377268.4	3747443.0	18.7	0.00	1.70	0.85	YES
L0002941	0	0.16270E-07	377270.2	3747446.1	18.7	0.00	1.70	0.85	YES
L0002942	0	0.16270E-07	377272.0	3747449.3	18.7	0.00	1.70	0.85	YES
L0002943	0	0.16270E-07	377273.9	3747452.5	18.7	0.00	1.70	0.85	YES
L0002944	0	0.16270E-07	377275.7	3747455.7	18.7	0.00	1.70	0.85	YES
L0002945	0	0.16270E-07	377277.5	3747458.8	18.7	0.00	1.70	0.85	YES
L0002946	0	0.16270E-07	377279.3	3747462.0	18.7	0.00	1.70	0.85	YES
L0002947	0	0.16270E-07	377281.0	3747465.2	18.7	0.00	1.70	0.85	YES
L0002948	0	0.16270E-07	377282.7	3747468.5	18.7	0.00	1.70	0.85	YES
L0002949	0	0.16270E-07	377284.3	3747471.8	18.7	0.00	1.70	0.85	YES
L0002950	0	0.16270E-07	377285.9	3747475.1	18.8	0.00	1.70	0.85	YES
L0002951	0	0.16270E-07	377287.6	3747478.3	18.8	0.00	1.70	0.85	YES
L0002952	0	0.16270E-07	377289.2	3747481.6	18.9	0.00	1.70	0.85	YES
L0002953	0	0.26370E-07	377164.3	3747238.2	18.1	0.00	1.70	0.85	YES
L0002954	0	0.26370E-07	377168.0	3747238.2	18.1	0.00	1.70	0.85	YES
L0002955	0	0.26370E-07	377171.6	3747238.2	18.0	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations second 14YR Exposure

\*\*\*      05/15/20  
 \*\*\*      08:46:26  
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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002956	0	0.26370E-07	377175.3	3747238.2	18.0	0.00	1.70	0.85	YES	
L0002957	0	0.26370E-07	377179.0	3747238.2	18.0	0.00	1.70	0.85	YES	
L0002958	0	0.26370E-07	377182.6	3747238.2	18.0	0.00	1.70	0.85	YES	

L0002959	0	0.26370E-07	377186.3	3747238.3	18.0	0.00	1.70	0.85	YES
L0002960	0	0.26370E-07	377189.9	3747238.3	18.0	0.00	1.70	0.85	YES
L0002961	0	0.26370E-07	377193.6	3747238.3	18.0	0.00	1.70	0.85	YES
L0002962	0	0.26370E-07	377197.2	3747238.3	18.0	0.00	1.70	0.85	YES
L0002963	0	0.26370E-07	377200.9	3747238.3	18.0	0.00	1.70	0.85	YES
L0002964	0	0.26370E-07	377204.6	3747238.3	18.0	0.00	1.70	0.85	YES
L0002965	0	0.26370E-07	377208.2	3747238.3	18.0	0.00	1.70	0.85	YES
L0002966	0	0.26370E-07	377211.9	3747238.3	18.0	0.00	1.70	0.85	YES
L0002967	0	0.26370E-07	377215.5	3747238.4	17.9	0.00	1.70	0.85	YES
L0002968	0	0.26370E-07	377219.2	3747238.4	17.9	0.00	1.70	0.85	YES
L0002969	0	0.26370E-07	377222.8	3747238.4	17.9	0.00	1.70	0.85	YES
L0002970	0	0.26370E-07	377226.5	3747238.4	17.8	0.00	1.70	0.85	YES
L0002971	0	0.26370E-07	377230.2	3747238.4	17.8	0.00	1.70	0.85	YES
L0002972	0	0.26370E-07	377233.8	3747238.4	17.7	0.00	1.70	0.85	YES
L0002973	0	0.26370E-07	377237.5	3747238.4	17.7	0.00	1.70	0.85	YES
L0002974	0	0.26370E-07	377241.1	3747238.5	17.7	0.00	1.70	0.85	YES
L0002975	0	0.26370E-07	377244.8	3747238.5	17.7	0.00	1.70	0.85	YES
L0002976	0	0.26370E-07	377248.4	3747238.5	17.7	0.00	1.70	0.85	YES
L0002977	0	0.26370E-07	377252.1	3747238.5	17.7	0.00	1.70	0.85	YES
L0002978	0	0.26370E-07	377255.8	3747238.5	17.7	0.00	1.70	0.85	YES
L0002979	0	0.26370E-07	377259.4	3747238.5	17.7	0.00	1.70	0.85	YES
L0002980	0	0.26370E-07	377263.1	3747238.5	17.8	0.00	1.70	0.85	YES
L0002981	0	0.26370E-07	377266.7	3747238.6	17.8	0.00	1.70	0.85	YES
L0002982	0	0.26370E-07	377270.4	3747238.6	17.8	0.00	1.70	0.85	YES
L0002983	0	0.26370E-07	377274.0	3747238.6	17.8	0.00	1.70	0.85	YES
L0002984	0	0.26370E-07	377277.7	3747238.6	17.8	0.00	1.70	0.85	YES
L0002985	0	0.26370E-07	377281.4	3747238.6	17.8	0.00	1.70	0.85	YES
L0002986	0	0.26370E-07	377285.0	3747238.6	17.8	0.00	1.70	0.85	YES
L0002987	0	0.26370E-07	377288.7	3747238.6	17.8	0.00	1.70	0.85	YES
L0002988	0	0.26370E-07	377292.3	3747238.6	17.9	0.00	1.70	0.85	YES
L0002989	0	0.26370E-07	377296.0	3747238.7	17.9	0.00	1.70	0.85	YES
L0002990	0	0.26370E-07	377299.6	3747238.7	17.9	0.00	1.70	0.85	YES
L0002991	0	0.26370E-07	377303.3	3747238.7	18.0	0.00	1.70	0.85	YES
L0002992	0	0.26370E-07	377307.0	3747238.7	18.0	0.00	1.70	0.85	YES
L0002993	0	0.26370E-07	377310.6	3747238.7	18.1	0.00	1.70	0.85	YES
L0002994	0	0.26370E-07	377314.3	3747238.7	18.1	0.00	1.70	0.85	YES
L0002995	0	0.26370E-07	377317.9	3747238.7	18.1	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations second 14YR Exposure      \*\*\*      08:46:26  
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\*\*\* MODELOPTs:      RegDFault      CONC      ELEV      URBAN      ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
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L0002996	0	0.26370E-07	377321.6	3747238.8	18.2	0.00	1.70	0.85	YES
L0002997	0	0.26370E-07	377325.3	3747238.8	18.2	0.00	1.70	0.85	YES
L0002998	0	0.26370E-07	377328.9	3747238.8	18.3	0.00	1.70	0.85	YES
L0002999	0	0.26370E-07	377332.6	3747238.8	18.3	0.00	1.70	0.85	YES
L0003000	0	0.26370E-07	377336.2	3747238.8	18.4	0.00	1.70	0.85	YES
L0003001	0	0.26370E-07	377339.9	3747238.8	18.4	0.00	1.70	0.85	YES
L0003002	0	0.26370E-07	377343.5	3747238.8	18.4	0.00	1.70	0.85	YES
L0003003	0	0.26370E-07	377347.2	3747238.9	18.5	0.00	1.70	0.85	YES
L0003004	0	0.26370E-07	377350.9	3747238.9	18.5	0.00	1.70	0.85	YES
L0003005	0	0.26370E-07	377354.5	3747238.9	18.6	0.00	1.70	0.85	YES
L0003006	0	0.26370E-07	377358.2	3747238.9	18.6	0.00	1.70	0.85	YES
L0003007	0	0.26370E-07	377361.8	3747238.9	18.6	0.00	1.70	0.85	YES
L0003008	0	0.26370E-07	377365.5	3747238.9	18.7	0.00	1.70	0.85	YES
L0003009	0	0.26370E-07	377369.1	3747238.9	18.7	0.00	1.70	0.85	YES
L0003010	0	0.26370E-07	377372.8	3747238.9	18.8	0.00	1.70	0.85	YES
L0003011	0	0.26370E-07	377376.5	3747239.0	18.8	0.00	1.70	0.85	YES
L0003012	0	0.26370E-07	377380.1	3747239.0	18.8	0.00	1.70	0.85	YES
L0003013	0	0.26370E-07	377383.8	3747239.0	18.8	0.00	1.70	0.85	YES
L0003014	0	0.26370E-07	377387.4	3747239.0	18.9	0.00	1.70	0.85	YES
L0003015	0	0.26370E-07	377391.1	3747239.0	18.9	0.00	1.70	0.85	YES
L0003016	0	0.26370E-07	377394.7	3747239.0	18.9	0.00	1.70	0.85	YES
L0003017	0	0.26370E-07	377398.4	3747239.0	19.0	0.00	1.70	0.85	YES
L0003018	0	0.26370E-07	377402.1	3747239.1	19.0	0.00	1.70	0.85	YES
L0003019	0	0.26370E-07	377405.7	3747239.1	19.1	0.00	1.70	0.85	YES
L0003020	0	0.26370E-07	377409.4	3747239.1	19.2	0.00	1.70	0.85	YES
L0003021	0	0.26370E-07	377413.0	3747239.1	19.2	0.00	1.70	0.85	YES
L0003022	0	0.26370E-07	377416.7	3747239.1	19.3	0.00	1.70	0.85	YES
L0003023	0	0.26370E-07	377420.3	3747239.1	19.3	0.00	1.70	0.85	YES
L0003024	0	0.26370E-07	377424.0	3747239.1	19.4	0.00	1.70	0.85	YES
L0003025	0	0.26370E-07	377427.7	3747239.2	19.4	0.00	1.70	0.85	YES
L0003026	0	0.26370E-07	377431.3	3747239.2	19.4	0.00	1.70	0.85	YES
L0003027	0	0.26370E-07	377435.0	3747239.2	19.5	0.00	1.70	0.85	YES
L0003028	0	0.26370E-07	377438.6	3747239.2	19.5	0.00	1.70	0.85	YES
L0003029	0	0.26370E-07	377442.3	3747239.2	19.5	0.00	1.70	0.85	YES
L0003030	0	0.26370E-07	377446.0	3747239.2	19.6	0.00	1.70	0.85	YES
L0003031	0	0.26370E-07	377449.6	3747239.2	19.6	0.00	1.70	0.85	YES
L0003032	0	0.26370E-07	377453.3	3747239.3	19.7	0.00	1.70	0.85	YES
L0003033	0	0.26370E-07	377456.9	3747239.3	19.7	0.00	1.70	0.85	YES
L0003034	0	0.26370E-07	377460.6	3747239.3	19.7	0.00	1.70	0.85	YES
L0003035	0	0.26370E-07	377464.2	3747239.3	19.7	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations second 14YR Exposure

\*\*\* 05/15/20  
 \*\*\* 08:46:26  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE	NUMBER PART.	EMISSION RATE (GRAMS/SEC)	X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR	VARY
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ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0003036	0	0.26370E-07	377467.9	3747239.3	19.8	0.00	1.70	0.85	YES
L0003037	0	0.26370E-07	377471.6	3747239.3	19.8	0.00	1.70	0.85	YES
L0003038	0	0.26370E-07	377475.2	3747239.3	19.8	0.00	1.70	0.85	YES
L0003039	0	0.26370E-07	377478.9	3747239.3	19.8	0.00	1.70	0.85	YES
L0003040	0	0.26370E-07	377482.5	3747239.4	19.8	0.00	1.70	0.85	YES
L0003041	0	0.26370E-07	377486.2	3747239.4	19.8	0.00	1.70	0.85	YES
L0003042	0	0.26370E-07	377489.8	3747239.4	19.8	0.00	1.70	0.85	YES
L0003043	0	0.26370E-07	377493.5	3747239.4	19.8	0.00	1.70	0.85	YES
L0003044	0	0.26370E-07	377497.2	3747239.4	19.8	0.00	1.70	0.85	YES
L0003045	0	0.26370E-07	377500.8	3747239.4	19.8	0.00	1.70	0.85	YES
L0003046	0	0.26370E-07	377504.5	3747239.4	19.7	0.00	1.70	0.85	YES
L0003047	0	0.26370E-07	377508.1	3747239.5	19.7	0.00	1.70	0.85	YES
L0003048	0	0.26370E-07	377511.8	3747239.5	19.7	0.00	1.70	0.85	YES
L0003049	0	0.26370E-07	377515.4	3747239.5	19.7	0.00	1.70	0.85	YES
L0003050	0	0.26370E-07	377519.1	3747239.5	19.7	0.00	1.70	0.85	YES
L0003051	0	0.26370E-07	377522.8	3747239.5	19.6	0.00	1.70	0.85	YES
L0003052	0	0.26370E-07	377526.4	3747239.5	19.6	0.00	1.70	0.85	YES
L0003053	0	0.26370E-07	377530.1	3747239.5	19.6	0.00	1.70	0.85	YES
L0003054	0	0.26370E-07	377533.7	3747239.6	19.6	0.00	1.70	0.85	YES
L0003055	0	0.26370E-07	377537.4	3747239.6	19.6	0.00	1.70	0.85	YES
L0003056	0	0.26370E-07	377541.0	3747239.6	19.5	0.00	1.70	0.85	YES
L0003057	0	0.26370E-07	377544.7	3747239.6	19.5	0.00	1.70	0.85	YES
L0003058	0	0.26370E-07	377548.4	3747239.6	19.5	0.00	1.70	0.85	YES
L0003059	0	0.26370E-07	377552.0	3747239.6	19.5	0.00	1.70	0.85	YES
L0003060	0	0.26370E-07	377555.7	3747239.6	19.5	0.00	1.70	0.85	YES
L0003061	0	0.26370E-07	377559.3	3747239.6	19.5	0.00	1.70	0.85	YES
L0003062	0	0.26370E-07	377563.0	3747239.7	19.5	0.00	1.70	0.85	YES
L0003063	0	0.26370E-07	377566.7	3747239.7	19.4	0.00	1.70	0.85	YES
L0003064	0	0.26370E-07	377570.3	3747239.7	19.4	0.00	1.70	0.85	YES
L0003065	0	0.26370E-07	377574.0	3747239.7	19.4	0.00	1.70	0.85	YES
L0003066	0	0.26370E-07	377577.6	3747239.7	19.4	0.00	1.70	0.85	YES
L0003067	0	0.26370E-07	377581.3	3747239.7	19.4	0.00	1.70	0.85	YES
L0003068	0	0.26370E-07	377584.9	3747239.7	19.3	0.00	1.70	0.85	YES
L0003069	0	0.26370E-07	377588.6	3747239.8	19.3	0.00	1.70	0.85	YES
L0003070	0	0.26370E-07	377592.3	3747239.8	19.3	0.00	1.70	0.85	YES
L0003071	0	0.26370E-07	377595.9	3747239.8	19.2	0.00	1.70	0.85	YES
L0003072	0	0.26370E-07	377599.6	3747239.8	19.2	0.00	1.70	0.85	YES
L0003073	0	0.26370E-07	377603.2	3747239.8	19.2	0.00	1.70	0.85	YES
L0003074	0	0.26370E-07	377606.9	3747239.8	19.2	0.00	1.70	0.85	YES
L0003075	0	0.26370E-07	377610.5	3747239.8	19.2	0.00	1.70	0.85	YES

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*** AERMOD - VERSION 19191 ***      *** 190th St Warehouse 2040-2053      ***      05/15/20
*** AERMET - VERSION 16216 ***      *** DPM concentrations second 14YR Exposure ***      08:46:26
*** MODELOPTs:   RegDEFAULT CONC  ELEV  URBAN  ADJ_U*      ***      PAGE 14

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\*\*\* 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
L0003076	0	0.26370E-07	377614.2	3747239.9	19.2	0.00	1.70	0.85	YES	
L0003077	0	0.26370E-07	377617.9	3747239.9	19.2	0.00	1.70	0.85	YES	
L0003078	0	0.26370E-07	377621.5	3747239.9	19.2	0.00	1.70	0.85	YES	
L0003079	0	0.26370E-07	377625.2	3747239.9	19.1	0.00	1.70	0.85	YES	
L0003080	0	0.26370E-07	377628.8	3747239.9	19.1	0.00	1.70	0.85	YES	
L0003081	0	0.26370E-07	377632.5	3747239.9	19.1	0.00	1.70	0.85	YES	
L0003082	0	0.26370E-07	377636.1	3747239.9	19.1	0.00	1.70	0.85	YES	
L0003083	0	0.26370E-07	377639.8	3747239.9	19.1	0.00	1.70	0.85	YES	
L0003084	0	0.26370E-07	377643.5	3747240.0	19.0	0.00	1.70	0.85	YES	
L0003085	0	0.26370E-07	377647.1	3747240.0	19.0	0.00	1.70	0.85	YES	
L0003086	0	0.26370E-07	377650.8	3747240.0	19.0	0.00	1.70	0.85	YES	
L0003087	0	0.26370E-07	377654.4	3747240.0	19.0	0.00	1.70	0.85	YES	
L0003088	0	0.26370E-07	377658.1	3747240.0	18.9	0.00	1.70	0.85	YES	
L0003089	0	0.26370E-07	377661.7	3747240.0	18.9	0.00	1.70	0.85	YES	
L0003090	0	0.26370E-07	377665.4	3747240.0	18.9	0.00	1.70	0.85	YES	
L0003091	0	0.26370E-07	377669.1	3747240.1	18.9	0.00	1.70	0.85	YES	
L0003092	0	0.26370E-07	377672.7	3747240.1	18.8	0.00	1.70	0.85	YES	
L0003093	0	0.26370E-07	377676.4	3747240.1	18.8	0.00	1.70	0.85	YES	
L0003094	0	0.26370E-07	377680.0	3747240.1	18.8	0.00	1.70	0.85	YES	
L0003095	0	0.26370E-07	377683.7	3747240.1	18.8	0.00	1.70	0.85	YES	
L0003096	0	0.26370E-07	377687.4	3747240.1	18.8	0.00	1.70	0.85	YES	
L0003097	0	0.26370E-07	377691.0	3747240.1	18.7	0.00	1.70	0.85	YES	
L0003098	0	0.26370E-07	377694.7	3747240.2	18.7	0.00	1.70	0.85	YES	
L0003099	0	0.26370E-07	377698.3	3747240.2	18.7	0.00	1.70	0.85	YES	
L0003100	0	0.26370E-07	377702.0	3747240.2	18.7	0.00	1.70	0.85	YES	
L0003101	0	0.26370E-07	377705.6	3747240.2	18.7	0.00	1.70	0.85	YES	
L0003102	0	0.26370E-07	377709.3	3747240.2	18.7	0.00	1.70	0.85	YES	
L0003103	0	0.26370E-07	377713.0	3747240.2	18.6	0.00	1.70	0.85	YES	
L0003104	0	0.26370E-07	377716.6	3747240.2	18.6	0.00	1.70	0.85	YES	
L0003105	0	0.26370E-07	377720.3	3747240.2	18.6	0.00	1.70	0.85	YES	
L0003106	0	0.26370E-07	377723.9	3747240.3	18.6	0.00	1.70	0.85	YES	
L0003107	0	0.26370E-07	377727.6	3747240.3	18.5	0.00	1.70	0.85	YES	
L0003108	0	0.26370E-07	377731.2	3747240.3	18.5	0.00	1.70	0.85	YES	
L0003109	0	0.26370E-07	377734.9	3747240.3	18.5	0.00	1.70	0.85	YES	
L0003110	0	0.26370E-07	377738.6	3747240.3	18.5	0.00	1.70	0.85	YES	
L0003111	0	0.26370E-07	377742.2	3747240.3	18.4	0.00	1.70	0.85	YES	
L0003112	0	0.26370E-07	377745.9	3747240.3	18.4	0.00	1.70	0.85	YES	
L0003113	0	0.26370E-07	377749.5	3747240.4	18.4	0.00	1.70	0.85	YES	
L0003114	0	0.26370E-07	377753.2	3747240.4	18.4	0.00	1.70	0.85	YES	
L0003115	0	0.26370E-07	377756.8	3747240.4	18.3	0.00	1.70	0.85	YES	

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053  
\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations second 14YR Exposure  
\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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\*\*\* 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
L0003116	0	0.26370E-07	377760.5	3747240.4	18.3	0.00	1.70	0.85	YES	
L0003117	0	0.26370E-07	377764.2	3747240.4	18.3	0.00	1.70	0.85	YES	
L0003118	0	0.26370E-07	377767.8	3747240.4	18.3	0.00	1.70	0.85	YES	
L0003119	0	0.26370E-07	377771.5	3747240.4	18.2	0.00	1.70	0.85	YES	
L0003120	0	0.26370E-07	377775.1	3747240.5	18.2	0.00	1.70	0.85	YES	
L0003121	0	0.26370E-07	377778.8	3747240.5	18.2	0.00	1.70	0.85	YES	
L0003122	0	0.26370E-07	377782.4	3747240.5	18.2	0.00	1.70	0.85	YES	
L0003123	0	0.26370E-07	377786.1	3747240.5	18.2	0.00	1.70	0.85	YES	
L0003124	0	0.26370E-07	377789.8	3747240.5	18.2	0.00	1.70	0.85	YES	
L0003125	0	0.26370E-07	377793.4	3747240.5	18.2	0.00	1.70	0.85	YES	
L0003126	0	0.26370E-07	377797.1	3747240.5	18.2	0.00	1.70	0.85	YES	
L0003127	0	0.26370E-07	377800.7	3747240.5	18.2	0.00	1.70	0.85	YES	
L0003128	0	0.26370E-07	377804.4	3747240.6	18.2	0.00	1.70	0.85	YES	
L0003129	0	0.26370E-07	377808.1	3747240.6	18.2	0.00	1.70	0.85	YES	
L0003130	0	0.26370E-07	377811.7	3747240.6	18.2	0.00	1.70	0.85	YES	
L0003131	0	0.26370E-07	377815.4	3747240.6	18.2	0.00	1.70	0.85	YES	
L0003132	0	0.26370E-07	377819.0	3747240.6	18.3	0.00	1.70	0.85	YES	
L0003133	0	0.26370E-07	377822.7	3747240.6	18.3	0.00	1.70	0.85	YES	
L0003134	0	0.26370E-07	377826.3	3747240.6	18.3	0.00	1.70	0.85	YES	
L0003135	0	0.26370E-07	377830.0	3747240.7	18.3	0.00	1.70	0.85	YES	
L0003136	0	0.26370E-07	377833.7	3747240.7	18.3	0.00	1.70	0.85	YES	
L0003137	0	0.26370E-07	377837.3	3747240.7	18.3	0.00	1.70	0.85	YES	
L0003138	0	0.26370E-07	377841.0	3747240.7	18.3	0.00	1.70	0.85	YES	
L0003139	0	0.26370E-07	377844.6	3747240.7	18.3	0.00	1.70	0.85	YES	
L0003140	0	0.26370E-07	377848.3	3747240.7	18.3	0.00	1.70	0.85	YES	
L0003141	0	0.26370E-07	377851.9	3747240.7	18.3	0.00	1.70	0.85	YES	
L0003142	0	0.26370E-07	377855.6	3747240.8	18.3	0.00	1.70	0.85	YES	
L0003143	0	0.26370E-07	377859.3	3747240.8	18.3	0.00	1.70	0.85	YES	
L0003144	0	0.26370E-07	377862.9	3747240.8	18.3	0.00	1.70	0.85	YES	
L0003145	0	0.26370E-07	377866.6	3747240.8	18.4	0.00	1.70	0.85	YES	
L0003146	0	0.26370E-07	377870.2	3747240.8	18.4	0.00	1.70	0.85	YES	
L0003147	0	0.26370E-07	377873.9	3747240.8	18.4	0.00	1.70	0.85	YES	
L0003148	0	0.26370E-07	377877.5	3747240.8	18.4	0.00	1.70	0.85	YES	
L0003149	0	0.26370E-07	377881.2	3747240.9	18.5	0.00	1.70	0.85	YES	
L0003150	0	0.26370E-07	377884.9	3747240.9	18.5	0.00	1.70	0.85	YES	
L0003151	0	0.26370E-07	377888.5	3747240.9	18.5	0.00	1.70	0.85	YES	
L0003152	0	0.26370E-07	377892.2	3747240.9	18.5	0.00	1.70	0.85	YES	
L0003153	0	0.26370E-07	377895.8	3747240.9	18.6	0.00	1.70	0.85	YES	
L0003154	0	0.26370E-07	377899.5	3747240.9	18.6	0.00	1.70	0.85	YES	
L0003155	0	0.26370E-07	377903.1	3747240.9	18.6	0.00	1.70	0.85	YES	

\*\*\* AERMOD - VERSION 19191 \*\*\*

\*\*\* 190th St Warehouse 2040-2053

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05/15/20

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

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003156	0	0.26370E-07	377906.8	3747240.9	18.6	0.00	1.70	0.85	YES	
L0003157	0	0.26370E-07	377910.5	3747241.0	18.7	0.00	1.70	0.85	YES	
L0003158	0	0.26370E-07	377914.1	3747241.0	18.7	0.00	1.70	0.85	YES	
L0003159	0	0.26370E-07	377917.8	3747241.0	18.7	0.00	1.70	0.85	YES	
L0003160	0	0.26370E-07	377921.4	3747241.0	18.7	0.00	1.70	0.85	YES	
L0003161	0	0.26370E-07	377925.1	3747241.0	18.8	0.00	1.70	0.85	YES	
L0003162	0	0.26370E-07	377928.8	3747241.0	18.8	0.00	1.70	0.85	YES	
L0003163	0	0.26370E-07	377932.4	3747241.0	18.8	0.00	1.70	0.85	YES	
L0003164	0	0.26370E-07	377936.1	3747241.1	18.9	0.00	1.70	0.85	YES	
L0003165	0	0.26370E-07	377939.7	3747241.1	18.9	0.00	1.70	0.85	YES	
L0003166	0	0.26370E-07	377943.4	3747241.1	18.9	0.00	1.70	0.85	YES	
L0003167	0	0.26370E-07	377947.0	3747241.1	19.0	0.00	1.70	0.85	YES	
L0003168	0	0.26370E-07	377950.7	3747241.1	19.1	0.00	1.70	0.85	YES	
L0003169	0	0.26370E-07	377954.4	3747241.1	19.1	0.00	1.70	0.85	YES	
L0003170	0	0.26370E-07	377958.0	3747241.1	19.2	0.00	1.70	0.85	YES	
L0003171	0	0.26370E-07	377961.7	3747241.2	19.2	0.00	1.70	0.85	YES	
L0003172	0	0.26370E-07	377965.3	3747241.2	19.2	0.00	1.70	0.85	YES	
L0003173	0	0.26370E-07	377969.0	3747241.2	19.2	0.00	1.70	0.85	YES	
L0003174	0	0.26370E-07	377972.6	3747241.2	19.2	0.00	1.70	0.85	YES	
L0003175	0	0.26370E-07	377976.3	3747241.2	19.2	0.00	1.70	0.85	YES	
L0003176	0	0.26370E-07	377980.0	3747241.2	19.2	0.00	1.70	0.85	YES	
L0003177	0	0.26370E-07	377983.6	3747241.2	19.2	0.00	1.70	0.85	YES	
L0003178	0	0.26370E-07	377987.3	3747241.2	19.2	0.00	1.70	0.85	YES	
L0003179	0	0.26370E-07	377990.9	3747241.3	19.2	0.00	1.70	0.85	YES	
L0003180	0	0.26370E-07	377994.6	3747241.3	19.2	0.00	1.70	0.85	YES	
L0003181	0	0.26370E-07	377998.2	3747241.3	19.2	0.00	1.70	0.85	YES	
L0003182	0	0.26370E-07	378001.9	3747241.3	19.2	0.00	1.70	0.85	YES	
L0003183	0	0.26370E-07	378005.6	3747241.3	19.2	0.00	1.70	0.85	YES	
L0003184	0	0.26370E-07	378009.2	3747241.3	19.3	0.00	1.70	0.85	YES	
L0003185	0	0.26370E-07	378012.9	3747241.3	19.3	0.00	1.70	0.85	YES	
L0003186	0	0.26370E-07	378016.5	3747241.4	19.3	0.00	1.70	0.85	YES	
L0003187	0	0.26370E-07	378020.2	3747241.4	19.3	0.00	1.70	0.85	YES	
L0003188	0	0.26370E-07	378023.8	3747241.4	19.3	0.00	1.70	0.85	YES	
L0003189	0	0.26370E-07	378027.5	3747241.4	19.3	0.00	1.70	0.85	YES	
L0003190	0	0.26370E-07	378031.2	3747241.4	19.4	0.00	1.70	0.85	YES	
L0003191	0	0.26370E-07	378034.8	3747241.4	19.4	0.00	1.70	0.85	YES	
L0003192	0	0.26370E-07	378038.5	3747241.4	19.4	0.00	1.70	0.85	YES	
L0003193	0	0.26370E-07	378042.1	3747241.5	19.4	0.00	1.70	0.85	YES	
L0003194	0	0.26370E-07	378045.8	3747241.5	19.5	0.00	1.70	0.85	YES	



L0003232	0	0.26370E-07	378184.8	3747242.0	19.7	0.00	1.70	0.85	YES
L0003233	0	0.26370E-07	378188.4	3747242.0	19.7	0.00	1.70	0.85	YES
L0003234	0	0.26370E-07	378192.1	3747242.0	19.6	0.00	1.70	0.85	YES
L0003235	0	0.26370E-07	378195.8	3747242.0	19.7	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations second 14YR Exposure      \*\*\*      08:46:26  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003236	0	0.26370E-07	378199.4	3747242.0	19.7	0.00	1.70	0.85	YES	
L0003237	0	0.26370E-07	378203.1	3747242.1	19.7	0.00	1.70	0.85	YES	
L0003238	0	0.26370E-07	378206.7	3747242.1	19.7	0.00	1.70	0.85	YES	
L0003239	0	0.26370E-07	378210.4	3747242.1	19.7	0.00	1.70	0.85	YES	
L0003240	0	0.26370E-07	378214.0	3747242.1	19.7	0.00	1.70	0.85	YES	
L0003241	0	0.26370E-07	378217.7	3747242.1	19.7	0.00	1.70	0.85	YES	
L0003242	0	0.26370E-07	378221.4	3747242.1	19.7	0.00	1.70	0.85	YES	
L0003243	0	0.26370E-07	378225.0	3747242.1	19.7	0.00	1.70	0.85	YES	
L0003244	0	0.26370E-07	378228.7	3747242.1	19.7	0.00	1.70	0.85	YES	
L0003245	0	0.26370E-07	378232.3	3747242.2	19.7	0.00	1.70	0.85	YES	
L0003246	0	0.26370E-07	378236.0	3747242.2	19.7	0.00	1.70	0.85	YES	
L0003247	0	0.26370E-07	378239.6	3747242.2	19.7	0.00	1.70	0.85	YES	
L0003248	0	0.26370E-07	378243.3	3747242.2	19.6	0.00	1.70	0.85	YES	
L0003249	0	0.26370E-07	378247.0	3747242.2	19.6	0.00	1.70	0.85	YES	
L0003250	0	0.26370E-07	378250.6	3747242.2	19.5	0.00	1.70	0.85	YES	
L0003251	0	0.26370E-07	378254.3	3747242.2	19.5	0.00	1.70	0.85	YES	
L0003252	0	0.26370E-07	378257.9	3747242.3	19.4	0.00	1.70	0.85	YES	
L0003253	0	0.26370E-07	378261.6	3747242.3	19.4	0.00	1.70	0.85	YES	
L0003254	0	0.26370E-07	378265.2	3747242.3	19.4	0.00	1.70	0.85	YES	
L0003255	0	0.26370E-07	378268.9	3747242.3	19.3	0.00	1.70	0.85	YES	
L0003256	0	0.26370E-07	378272.6	3747242.3	19.3	0.00	1.70	0.85	YES	
L0003257	0	0.26370E-07	378276.2	3747242.3	19.4	0.00	1.70	0.85	YES	
L0003258	0	0.26370E-07	378279.9	3747242.3	19.4	0.00	1.70	0.85	YES	
L0003259	0	0.26370E-07	378283.5	3747242.4	19.4	0.00	1.70	0.85	YES	
L0003260	0	0.26370E-07	378287.2	3747242.4	19.4	0.00	1.70	0.85	YES	
L0003261	0	0.26370E-07	378290.9	3747242.4	19.4	0.00	1.70	0.85	YES	
L0003262	0	0.26370E-07	378294.5	3747242.4	19.4	0.00	1.70	0.85	YES	
L0003263	0	0.26370E-07	378298.2	3747242.4	19.4	0.00	1.70	0.85	YES	
L0003264	0	0.26370E-07	378301.8	3747242.4	19.4	0.00	1.70	0.85	YES	
L0003265	0	0.26370E-07	378305.5	3747242.4	19.4	0.00	1.70	0.85	YES	
L0003266	0	0.26370E-07	378309.1	3747242.5	19.4	0.00	1.70	0.85	YES	
L0003267	0	0.26370E-07	378312.8	3747242.5	19.4	0.00	1.70	0.85	YES	
L0003268	0	0.26370E-07	378316.5	3747242.5	19.4	0.00	1.70	0.85	YES	





L0003343	0	0.26370E-07	378590.8	3747243.5	18.6	0.00	1.70	0.85	YES
L0003344	0	0.26370E-07	378594.4	3747243.5	18.7	0.00	1.70	0.85	YES
L0003345	0	0.26370E-07	378598.1	3747243.5	18.7	0.00	1.70	0.85	YES
L0003346	0	0.26370E-07	378601.7	3747243.5	18.7	0.00	1.70	0.85	YES
L0003347	0	0.26370E-07	378605.4	3747243.6	18.7	0.00	1.70	0.85	YES
L0003348	0	0.26370E-07	378609.1	3747243.6	18.7	0.00	1.70	0.85	YES
L0003349	0	0.26370E-07	378612.7	3747243.6	18.7	0.00	1.70	0.85	YES
L0003350	0	0.26370E-07	378616.4	3747243.6	18.7	0.00	1.70	0.85	YES
L0003351	0	0.26370E-07	378620.0	3747243.6	18.7	0.00	1.70	0.85	YES
L0003352	0	0.26370E-07	378623.7	3747243.6	18.7	0.00	1.70	0.85	YES
L0003353	0	0.26370E-07	378627.3	3747243.6	18.7	0.00	1.70	0.85	YES
L0003354	0	0.26370E-07	378631.0	3747243.7	18.7	0.00	1.70	0.85	YES
L0003355	0	0.26370E-07	378634.7	3747243.7	18.7	0.00	1.70	0.85	YES

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations second 14YR Exposure      \*\*\*      08:46:26  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003356	0	0.26370E-07	378638.3	3747243.7	18.6	0.00	1.70	0.85	YES	
L0003357	0	0.26370E-07	378642.0	3747243.7	18.6	0.00	1.70	0.85	YES	
L0003358	0	0.26370E-07	378645.6	3747243.7	18.6	0.00	1.70	0.85	YES	
L0003359	0	0.26370E-07	378649.3	3747243.7	18.6	0.00	1.70	0.85	YES	
L0003360	0	0.26370E-07	378653.0	3747243.7	18.5	0.00	1.70	0.85	YES	
L0003361	0	0.26370E-07	378656.6	3747243.8	18.5	0.00	1.70	0.85	YES	
L0003362	0	0.26370E-07	378660.3	3747243.8	18.5	0.00	1.70	0.85	YES	
L0003363	0	0.26370E-07	378663.9	3747243.8	18.4	0.00	1.70	0.85	YES	
L0003364	0	0.26370E-07	378667.6	3747243.8	18.4	0.00	1.70	0.85	YES	
L0003365	0	0.26370E-07	378671.2	3747243.8	18.4	0.00	1.70	0.85	YES	
L0003366	0	0.26370E-07	378674.9	3747243.8	18.4	0.00	1.70	0.85	YES	
L0003367	0	0.26370E-07	378678.6	3747243.8	18.3	0.00	1.70	0.85	YES	
L0003368	0	0.26370E-07	378682.2	3747243.8	18.3	0.00	1.70	0.85	YES	
L0003369	0	0.26370E-07	378685.9	3747243.9	18.3	0.00	1.70	0.85	YES	
L0003370	0	0.26370E-07	378689.5	3747243.9	18.4	0.00	1.70	0.85	YES	
L0003371	0	0.26370E-07	378693.2	3747243.9	18.4	0.00	1.70	0.85	YES	
L0003372	0	0.26370E-07	378696.8	3747243.9	18.4	0.00	1.70	0.85	YES	
L0003373	0	0.26370E-07	378700.5	3747243.9	18.4	0.00	1.70	0.85	YES	

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations second 14YR Exposure      \*\*\*      08:46:26  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

SRCGROUP ID -----	SOURCE IDs -----								
ALL	STCK1	, STCK2	, STCK3	, STCK4	, STCK5	, STCK6	, L0002636	, L0002637	,
	L0002638	, L0002639	, L0002640	, L0002641	, L0002642	, L0002643	, L0002644	, L0002645	,
	L0002646	, L0002647	, L0002648	, L0002649	, L0002650	, L0002651	, L0002652	, L0002653	,
	L0002654	, L0002655	, L0002656	, L0002657	, L0002658	, L0002659	, L0002660	, L0002661	,
	L0002662	, L0002663	, L0002664	, L0002665	, L0002666	, L0002667	, L0002668	, L0002669	,
	L0002670	, L0002671	, L0002672	, L0002673	, L0002674	, L0002675	, L0002676	, L0002677	,
	L0002678	, L0002679	, L0002680	, L0002681	, L0002682	, L0002683	, L0002684	, L0002685	,
	L0002686	, L0002687	, L0002688	, L0002689	, L0002690	, L0002691	, L0002692	, L0002693	,
	L0002694	, L0002695	, L0002696	, L0002697	, L0002698	, L0002699	, L0002700	, L0002701	,
	L0002702	, L0002703	, L0002704	, L0002705	, L0002706	, L0002707	, L0002708	, L0002709	,
	L0002710	, L0002711	, L0002712	, L0002713	, L0002714	, L0002715	, L0002716	, L0002717	,
	L0002718	, L0002719	, L0002720	, L0002721	, L0002722	, L0002723	, L0002724	, L0002725	,
	L0002726	, L0002727	, L0002728	, L0002729	, L0002730	, L0002731	, L0002732	, L0002733	,
	L0002734	, L0002735	, L0002736	, L0002737	, L0002738	, L0002739	, L0002740	, L0002741	,
	L0002742	, L0002743	, L0002744	, L0002745	, L0002746	, L0002747	, L0002748	, L0002749	,
	L0002750	, L0002751	, L0002752	, L0002753	, L0002754	, L0002755	, L0002756	, L0002757	,
	L0002758	, L0002759	, L0002760	, L0002761	, L0002762	, L0002763	, L0002764	, L0002765	,
	L0002766	, L0002767	, L0002768	, L0002769	, L0002770	, L0002771	, L0002772	, L0002773	,
	L0002774	, L0002775	, L0002776	, L0002777	, L0002778	, L0002779	, L0002780	, L0002781	,
	L0002782	, L0002783	, L0002784	, L0002785	, L0002786	, L0002787	, L0002788	, L0002789	,

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations second 14YR Exposure

\*\*\*                    05/15/20  
 \*\*\*                    08:46:26  
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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    URBAN    ADJ\_U\*



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

SRCGROUP ID

SOURCE IDs

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L0002790 , L0002791 , L0002792 , L0002793 , L0002794 , L0002795 , L0002796 , L0002797 ,  
 L0002798 , L0002799 , L0002800 , L0002801 , L0002802 , L0002803 , L0002804 , L0002805 ,  
 L0002806 , L0002807 , L0002808 , L0002809 , L0002810 , L0002811 , L0002812 , L0002813 ,  
 L0002814 , L0002815 , L0002816 , L0002817 , L0002818 , L0002819 , L0002820 , L0002821 ,  
 L0002822 , L0002823 , L0002824 , L0002825 , L0002826 , L0002827 , L0002828 , L0002829 ,  
 L0002830 , L0002831 , L0002832 , L0002833 , L0002834 , L0002835 , L0002836 , L0002837 ,  
 L0002838 , L0002839 , L0002840 , L0002841 , L0002842 , L0002843 , L0002844 , L0002845 ,  
 L0002846 , L0002847 , L0002848 , L0002849 , L0002850 , L0002851 , L0002852 , L0002853 ,  
 L0002854 , L0002855 , L0002856 , L0002857 , L0002858 , L0002859 , L0002860 , L0002861 ,  
 L0002862 , L0002863 , L0002864 , L0002865 , L0002866 , L0002867 , L0002868 , L0002869 ,  
 L0002870 , L0002871 , L0002872 , L0002873 , L0002874 , L0002875 , L0002876 , L0002877 ,  
 L0002878 , L0002879 , L0002880 , L0002881 , L0002882 , L0002883 , L0002884 , L0002885 ,  
 L0002886 , L0002887 , L0002888 , L0002889 , L0002890 , L0002891 , L0002892 , L0002893 ,  
 L0002894 , L0002895 , L0002896 , L0002897 , L0002898 , L0002899 , L0002900 , L0002901 ,  
 L0002902 , L0002903 , L0002904 , L0002905 , L0002906 , L0002907 , L0002908 , L0002909 ,  
 L0002910 , L0002911 , L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 ,  
 L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 ,  
 L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 ,  
 L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , L0002940 , L0002941 ,  
 L0002942 , L0002943 , L0002944 , L0002945 , L0002946 , L0002947 , L0002948 , L0002949 ,

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2040-2053  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations second 14YR Exposure

\*\*\* 05/15/20  
 \*\*\* 08:46:26  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SRCGROUP ID	SOURCE IDs							
-----	-----	-----	-----	-----	-----	-----	-----	-----
L0002950	, L0002951	, L0002952	, L0002953	, L0002954	, L0002955	, L0002956	, L0002957	,
L0002958	, L0002959	, L0002960	, L0002961	, L0002962	, L0002963	, L0002964	, L0002965	,
L0002966	, L0002967	, L0002968	, L0002969	, L0002970	, L0002971	, L0002972	, L0002973	,
L0002974	, L0002975	, L0002976	, L0002977	, L0002978	, L0002979	, L0002980	, L0002981	,
L0002982	, L0002983	, L0002984	, L0002985	, L0002986	, L0002987	, L0002988	, L0002989	,
L0002990	, L0002991	, L0002992	, L0002993	, L0002994	, L0002995	, L0002996	, L0002997	,
L0002998	, L0002999	, L0003000	, L0003001	, L0003002	, L0003003	, L0003004	, L0003005	,
L0003006	, L0003007	, L0003008	, L0003009	, L0003010	, L0003011	, L0003012	, L0003013	,
L0003014	, L0003015	, L0003016	, L0003017	, L0003018	, L0003019	, L0003020	, L0003021	,
L0003022	, L0003023	, L0003024	, L0003025	, L0003026	, L0003027	, L0003028	, L0003029	,
L0003030	, L0003031	, L0003032	, L0003033	, L0003034	, L0003035	, L0003036	, L0003037	,
L0003038	, L0003039	, L0003040	, L0003041	, L0003042	, L0003043	, L0003044	, L0003045	,
L0003046	, L0003047	, L0003048	, L0003049	, L0003050	, L0003051	, L0003052	, L0003053	,
L0003054	, L0003055	, L0003056	, L0003057	, L0003058	, L0003059	, L0003060	, L0003061	,
L0003062	, L0003063	, L0003064	, L0003065	, L0003066	, L0003067	, L0003068	, L0003069	,
L0003070	, L0003071	, L0003072	, L0003073	, L0003074	, L0003075	, L0003076	, L0003077	,
L0003078	, L0003079	, L0003080	, L0003081	, L0003082	, L0003083	, L0003084	, L0003085	,
L0003086	, L0003087	, L0003088	, L0003089	, L0003090	, L0003091	, L0003092	, L0003093	,
L0003094	, L0003095	, L0003096	, L0003097	, L0003098	, L0003099	, L0003100	, L0003101	,
L0003102	, L0003103	, L0003104	, L0003105	, L0003106	, L0003107	, L0003108	, L0003109	,

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053      \*\*\*      05/15/20  
\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations second 14YR Exposure      \*\*\*      08:46:26

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

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

SRCGROUP ID	SOURCE IDs														
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L0003110	,	L0003111	,	L0003112	,	L0003113	,	L0003114	,	L0003115	,	L0003116	,	L0003117	,
L0003118	,	L0003119	,	L0003120	,	L0003121	,	L0003122	,	L0003123	,	L0003124	,	L0003125	,
L0003126	,	L0003127	,	L0003128	,	L0003129	,	L0003130	,	L0003131	,	L0003132	,	L0003133	,
L0003134	,	L0003135	,	L0003136	,	L0003137	,	L0003138	,	L0003139	,	L0003140	,	L0003141	,
L0003142	,	L0003143	,	L0003144	,	L0003145	,	L0003146	,	L0003147	,	L0003148	,	L0003149	,
L0003150	,	L0003151	,	L0003152	,	L0003153	,	L0003154	,	L0003155	,	L0003156	,	L0003157	,
L0003158	,	L0003159	,	L0003160	,	L0003161	,	L0003162	,	L0003163	,	L0003164	,	L0003165	,
L0003166	,	L0003167	,	L0003168	,	L0003169	,	L0003170	,	L0003171	,	L0003172	,	L0003173	,
L0003174	,	L0003175	,	L0003176	,	L0003177	,	L0003178	,	L0003179	,	L0003180	,	L0003181	,
L0003182	,	L0003183	,	L0003184	,	L0003185	,	L0003186	,	L0003187	,	L0003188	,	L0003189	,
L0003190	,	L0003191	,	L0003192	,	L0003193	,	L0003194	,	L0003195	,	L0003196	,	L0003197	,
L0003198	,	L0003199	,	L0003200	,	L0003201	,	L0003202	,	L0003203	,	L0003204	,	L0003205	,
L0003206	,	L0003207	,	L0003208	,	L0003209	,	L0003210	,	L0003211	,	L0003212	,	L0003213	,
L0003214	,	L0003215	,	L0003216	,	L0003217	,	L0003218	,	L0003219	,	L0003220	,	L0003221	,
L0003222	,	L0003223	,	L0003224	,	L0003225	,	L0003226	,	L0003227	,	L0003228	,	L0003229	,
L0003230	,	L0003231	,	L0003232	,	L0003233	,	L0003234	,	L0003235	,	L0003236	,	L0003237	,
L0003238	,	L0003239	,	L0003240	,	L0003241	,	L0003242	,	L0003243	,	L0003244	,	L0003245	,
L0003246	,	L0003247	,	L0003248	,	L0003249	,	L0003250	,	L0003251	,	L0003252	,	L0003253	,
L0003254	,	L0003255	,	L0003256	,	L0003257	,	L0003258	,	L0003259	,	L0003260	,	L0003261	,
L0003262	,	L0003263	,	L0003264	,	L0003265	,	L0003266	,	L0003267	,	L0003268	,	L0003269	,

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2040-2053 \*\*\* 05/15/20

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations second 14YR Exposure

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

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

SRCGROUP ID

SOURCE IDs

L0003270	,	L0003271	,	L0003272	,	L0003273	,	L0003274	,	L0003275	,	L0003276	,	L0003277	,
L0003278	,	L0003279	,	L0003280	,	L0003281	,	L0003282	,	L0003283	,	L0003284	,	L0003285	,
L0003286	,	L0003287	,	L0003288	,	L0003289	,	L0003290	,	L0003291	,	L0003292	,	L0003293	,
L0003294	,	L0003295	,	L0003296	,	L0003297	,	L0003298	,	L0003299	,	L0003300	,	L0003301	,
L0003302	,	L0003303	,	L0003304	,	L0003305	,	L0003306	,	L0003307	,	L0003308	,	L0003309	,
L0003310	,	L0003311	,	L0003312	,	L0003313	,	L0003314	,	L0003315	,	L0003316	,	L0003317	,
L0003318	,	L0003319	,	L0003320	,	L0003321	,	L0003322	,	L0003323	,	L0003324	,	L0003325	,
L0003326	,	L0003327	,	L0003328	,	L0003329	,	L0003330	,	L0003331	,	L0003332	,	L0003333	,
L0003334	,	L0003335	,	L0003336	,	L0003337	,	L0003338	,	L0003339	,	L0003340	,	L0003341	,
L0003342	,	L0003343	,	L0003344	,	L0003345	,	L0003346	,	L0003347	,	L0003348	,	L0003349	,
L0003350	,	L0003351	,	L0003352	,	L0003353	,	L0003354	,	L0003355	,	L0003356	,	L0003357	,
L0003358	,	L0003359	,	L0003360	,	L0003361	,	L0003362	,	L0003363	,	L0003364	,	L0003365	,
L0003366	,	L0003367	,	L0003368	,	L0003369	,	L0003370	,	L0003371	,	L0003372	,	L0003373	,

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2040-2053  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations second 14YR Exposure

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

URBAN ID

URBAN POP

SOURCE IDs

L0002637	,	9818605.	STCK1	,	STCK2	,	STCK3	,	STCK4	,	STCK5	,	STCK6	,	L0002636	,
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L0002638 , L0002639 , L0002640 , L0002641 , L0002642 , L0002643 , L0002644 , L0002645 ,  
 L0002646 , L0002647 , L0002648 , L0002649 , L0002650 , L0002651 , L0002652 , L0002653 ,  
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\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053  
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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

URBAN ID	URBAN POP	SOURCE IDs
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L0002950 , L0002951 , L0002952 , L0002953 , L0002954 , L0002955 , L0002956 , L0002957 ,  
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L0002966 , L0002967 , L0002968 , L0002969 , L0002970 , L0002971 , L0002972 , L0002973 ,  
L0002974 , L0002975 , L0002976 , L0002977 , L0002978 , L0002979 , L0002980 , L0002981 ,  
L0002982 , L0002983 , L0002984 , L0002985 , L0002986 , L0002987 , L0002988 , L0002989 ,  
L0002990 , L0002991 , L0002992 , L0002993 , L0002994 , L0002995 , L0002996 , L0002997 ,  
L0002998 , L0002999 , L0003000 , L0003001 , L0003002 , L0003003 , L0003004 , L0003005 ,  
L0003006 , L0003007 , L0003008 , L0003009 , L0003010 , L0003011 , L0003012 , L0003013 ,  
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L0003102 , L0003103 , L0003104 , L0003105 , L0003106 , L0003107 , L0003108 , L0003109 ,

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2040-2053 \*\*\* 05/15/20  
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\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs
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L0003110 , L0003111 , L0003112 , L0003113 , L0003114 , L0003115 , L0003116 , L0003117 ,  
 L0003118 , L0003119 , L0003120 , L0003121 , L0003122 , L0003123 , L0003124 , L0003125 ,  
 L0003126 , L0003127 , L0003128 , L0003129 , L0003130 , L0003131 , L0003132 , L0003133 ,  
 L0003134 , L0003135 , L0003136 , L0003137 , L0003138 , L0003139 , L0003140 , L0003141 ,  
 L0003142 , L0003143 , L0003144 , L0003145 , L0003146 , L0003147 , L0003148 , L0003149 ,  
 L0003150 , L0003151 , L0003152 , L0003153 , L0003154 , L0003155 , L0003156 , L0003157 ,  
 L0003158 , L0003159 , L0003160 , L0003161 , L0003162 , L0003163 , L0003164 , L0003165 ,  
 L0003166 , L0003167 , L0003168 , L0003169 , L0003170 , L0003171 , L0003172 , L0003173 ,  
 L0003174 , L0003175 , L0003176 , L0003177 , L0003178 , L0003179 , L0003180 , L0003181 ,  
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 L0003262 , L0003263 , L0003264 , L0003265 , L0003266 , L0003267 , L0003268 , L0003269 ,

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations second 14YR Exposure

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

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

URBAN ID      URBAN POP

SOURCE IDs



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L0003270 , L0003271 , L0003272 , L0003273 , L0003274 , L0003275 , L0003276 , L0003277 ,
L0003278 , L0003279 , L0003280 , L0003281 , L0003282 , L0003283 , L0003284 , L0003285 ,
L0003286 , L0003287 , L0003288 , L0003289 , L0003290 , L0003291 , L0003292 , L0003293 ,
L0003294 , L0003295 , L0003296 , L0003297 , L0003298 , L0003299 , L0003300 , L0003301 ,
L0003302 , L0003303 , L0003304 , L0003305 , L0003306 , L0003307 , L0003308 , L0003309 ,
L0003310 , L0003311 , L0003312 , L0003313 , L0003314 , L0003315 , L0003316 , L0003317 ,
L0003318 , L0003319 , L0003320 , L0003321 , L0003322 , L0003323 , L0003324 , L0003325 ,
L0003326 , L0003327 , L0003328 , L0003329 , L0003330 , L0003331 , L0003332 , L0003333 ,
L0003334 , L0003335 , L0003336 , L0003337 , L0003338 , L0003339 , L0003340 , L0003341 ,
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*** AERMOD - VERSION 19191 *** *** 190th St Warehouse 2040-2053
*** AERMET - VERSION 16216 *** *** DPM concentrations second 14YR Exposure

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-115.4,	-95.0,	2	11.0,	270.4,	176.8,	-116.8,	-100.6,
3	11.0,	268.6,	205.8,	-114.6,	-103.1,	4	11.0,	258.7,	231.8,	-109.0,	-102.5,
5	11.0,	240.8,	250.8,	-100.0,	-98.8,	6	11.0,	215.7,	262.1,	-88.0,	-92.1,
7	11.0,	184.0,	265.5,	-73.4,	-82.6,	8	11.0,	146.7,	260.9,	-56.5,	-70.5,
9	11.0,	107.2,	249.6,	-38.2,	-56.8,	10	11.0,	144.2,	264.0,	-37.0,	-43.3,
11	11.0,	176.8,	270.4,	-34.6,	-28.4,	12	11.0,	205.8,	268.6,	-31.2,	-11.7,
13	11.0,	231.8,	258.7,	-26.8,	6.9,	14	11.0,	250.8,	240.8,	-21.6,	25.4,
15	11.0,	262.1,	215.7,	-15.8,	43.0,	16	11.0,	265.5,	184.0,	-9.4,	59.4,
17	11.0,	260.9,	146.7,	-2.8,	73.9,	18	11.0,	249.6,	107.2,	3.2,	86.6,
19	11.0,	264.0,	144.2,	-28.9,	95.0,	20	11.0,	270.4,	176.8,	-60.0,	100.6,
21	11.0,	268.6,	205.8,	-91.1,	103.1,	22	11.0,	258.7,	231.8,	-122.8,	102.5,
23	11.0,	240.8,	250.8,	-150.7,	98.8,	24	11.0,	215.7,	262.1,	-174.1,	92.1,

25	11.0,	184.0,	265.5,	-192.2,	82.6,	26	11.0,	146.7,	260.9,	-204.4,	70.5,
27	11.0,	107.2,	249.6,	-211.4,	56.8,	28	11.0,	144.2,	264.0,	-227.1,	43.3,
29	11.0,	176.8,	270.4,	-235.8,	28.4,	30	11.0,	205.8,	268.6,	-237.5,	11.7,
31	11.0,	231.8,	258.7,	-231.9,	-6.9,	32	11.0,	250.8,	240.8,	-219.2,	-25.4,
33	11.0,	262.1,	215.7,	-199.9,	-43.0,	34	11.0,	265.5,	184.0,	-174.6,	-59.4,
35	11.0,	260.9,	146.7,	-143.9,	-73.9,	36	11.0,	249.6,	107.2,	-110.5,	-86.6,

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-121.7,	-64.8,	2	11.0,	270.4,	176.8,	-128.2,	-72.0,
3	11.0,	268.6,	205.8,	-130.9,	-76.9,	4	11.0,	258.7,	231.8,	-129.6,	-79.5,
5	11.0,	240.8,	250.8,	-124.3,	-79.7,	6	11.0,	215.7,	262.1,	-115.3,	-77.5,
7	11.0,	184.0,	265.5,	-102.7,	-72.9,	8	11.0,	146.7,	260.9,	-87.1,	-66.1,
9	11.0,	107.2,	249.6,	-69.1,	-57.8,	10	11.0,	144.2,	264.0,	-67.2,	-49.6,
11	11.0,	176.8,	270.4,	-63.3,	-39.8,	12	11.0,	205.8,	268.6,	-57.4,	-28.0,
13	11.0,	231.8,	258.7,	-49.8,	-13.7,	14	11.0,	250.8,	240.8,	-40.7,	1.1,
15	11.0,	262.1,	215.7,	-30.4,	15.8,	16	11.0,	265.5,	184.0,	-19.1,	30.0,
17	11.0,	260.9,	146.7,	-7.2,	43.4,	18	11.0,	249.6,	107.2,	4.2,	55.7,
19	11.0,	264.0,	144.2,	-22.5,	64.8,	20	11.0,	270.4,	176.8,	-48.6,	72.0,
21	11.0,	268.6,	205.8,	-74.9,	76.9,	22	11.0,	258.7,	231.8,	-102.2,	79.5,
23	11.0,	240.8,	250.8,	-126.5,	79.7,	24	11.0,	215.7,	262.1,	-146.9,	77.5,
25	11.0,	184.0,	265.5,	-162.8,	72.9,	26	11.0,	146.7,	260.9,	-173.8,	66.1,
27	11.0,	107.2,	249.6,	-180.5,	57.8,	28	11.0,	144.2,	264.0,	-196.8,	49.6,
29	11.0,	176.8,	270.4,	-207.2,	39.8,	30	11.0,	205.8,	268.6,	-211.2,	28.0,
31	11.0,	231.8,	258.7,	-208.8,	13.7,	32	11.0,	250.8,	240.8,	-200.1,	-1.1,
33	11.0,	262.1,	215.7,	-185.3,	-15.8,	34	11.0,	265.5,	184.0,	-164.9,	-30.0,
35	11.0,	260.9,	146.7,	-139.5,	-43.4,	36	11.0,	249.6,	107.2,	-111.4,	-55.7,

SOURCE ID: STCK3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	264.0,	144.2,	-126.6,	-38.6,	2	11.0,	270.4,	176.8,	-137.7,	-47.0,
3	11.0,	268.6,	205.8,	-144.5,	-54.0,	4	11.0,	258.7,	231.8,	-146.9,	-59.3,
5	11.0,	240.8,	250.8,	-144.9,	-62.8,	6	11.0,	215.7,	262.1,	-138.5,	-64.5,
7	11.0,	184.0,	265.5,	-127.9,	-64.1,	8	11.0,	146.7,	260.9,	-113.4,	-61.8,
9	11.0,	107.2,	249.6,	-95.7,	-58.1,	10	11.0,	144.2,	264.0,	-93.4,	-54.5,
11	11.0,	176.8,	270.4,	-88.2,	-49.2,	12	11.0,	205.8,	268.6,	-80.3,	-41.6,
13	11.0,	231.8,	258.7,	-70.0,	-31.1,	14	11.0,	250.8,	240.8,	-57.6,	-19.6,
15	11.0,	262.1,	215.7,	-43.4,	-7.4,	16	11.0,	265.5,	184.0,	-27.9,	4.9,
17	11.0,	260.9,	146.7,	-11.5,	17.1,	18	11.0,	249.6,	107.2,	4.5,	29.1,
19	11.0,	264.0,	144.2,	-17.6,	38.6,	20	11.0,	270.4,	176.8,	-39.1,	47.0,
21	11.0,	268.6,	205.8,	-61.3,	54.0,	22	11.0,	258.7,	231.8,	-84.8,	59.3,
23	11.0,	240.8,	250.8,	-105.8,	62.8,	24	11.0,	215.7,	262.1,	-123.6,	64.5,
25	11.0,	184.0,	265.5,	-137.7,	64.1,	26	11.0,	146.7,	260.9,	-147.5,	61.8,
27	11.0,	107.2,	249.6,	-153.8,	58.1,	28	11.0,	144.2,	264.0,	-170.6,	54.5,
29	11.0,	176.8,	270.4,	-182.2,	49.2,	30	11.0,	205.8,	268.6,	-188.3,	41.6,
31	11.0,	231.8,	258.7,	-188.6,	31.1,	32	11.0,	250.8,	240.8,	-183.2,	19.6,
33	11.0,	262.1,	215.7,	-172.3,	7.4,	34	11.0,	265.5,	184.0,	-156.1,	-4.9,
35	11.0,	260.9,	146.7,	-135.2,	-17.1,	36	11.0,	249.6,	107.2,	-111.8,	-29.1,









\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations second 14YR Exposure

\*\*\* 08:46:26

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

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

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	376998.97	377086.27	377173.57	377260.87	377348.17	377435.47	377522.77	377610.07	377697.37
3748114.24	25.50	18.50	19.10	19.90	20.30	20.10	19.80	19.60	19.40
3748057.86	25.50	26.00	26.20	19.10	19.50	19.60	19.70	19.70	19.60
3748001.48	25.70	25.90	26.20	26.60	20.00	20.80	20.10	19.90	20.10
3747945.10	25.50	26.20	25.20	26.60	26.50	22.60	20.00	20.10	20.10
3747888.72	18.30	24.40	21.80	26.60	26.50	25.60	24.80	19.80	19.80
3747832.34	18.40	18.70	20.00	20.80	20.80	25.50	23.60	23.50	19.90
3747775.96	18.40	18.70	19.50	21.00	20.70	19.90	19.90	23.50	22.80
3747719.58	18.60	19.10	19.80	20.70	20.80	20.50	20.30	19.90	19.20
3747663.20	18.50	18.80	19.20	20.20	20.50	20.70	19.80	19.70	19.20
3747606.82	18.50	18.70	19.10	19.40	20.00	20.40	19.70	19.60	19.30
3747550.44	18.40	18.50	18.60	18.50	19.80	20.20	19.70	19.70	19.60
3747494.06	18.40	18.40	18.30	18.20	19.90	20.20	19.60	19.80	19.80
3747437.68	18.70	18.60	18.40	18.50	19.20	19.90	19.90	20.00	19.80
3747381.30	18.90	18.50	18.20	18.60	19.00	19.60	20.40	20.20	19.60
3747324.92	19.30	18.60	18.00	18.30	18.90	19.30	20.40	19.70	19.60
3747268.54	18.90	18.50	18.00	17.80	18.50	19.30	19.60	19.50	19.20
3747212.16	19.20	19.10	18.40	18.20	19.50	20.00	20.00	19.20	18.50
3747155.78	19.50	19.50	19.60	19.70	22.00	21.80	21.10	21.90	19.80
3747099.40	18.90	18.80	19.90	20.20	21.90	21.80	21.40	21.90	21.30
3747043.02	18.60	18.40	20.30	20.10	20.70	20.70	20.90	20.80	21.30
3746986.64	19.40	18.30	20.10	19.90	20.60	21.70	20.90	20.60	20.70

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* 190th St Warehouse 2040-2053

\*\*\* 05/15/20

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* DPM concentrations second 14YR Exposure

\*\*\* 08:46:26

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

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

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	377784.67	377871.97	377959.27	378046.57	378133.87	378221.17	378308.47	378395.77	378483.07
3748114.24	19.20	19.10	18.90	18.80	18.70	18.70	18.20	17.60	17.60
3748057.86	19.60	19.50	19.40	19.20	18.90	18.60	18.30	18.00	17.80
3748001.48	19.90	19.50	19.50	19.80	19.20	18.80	18.70	18.30	18.00
3747945.10	19.60	19.20	19.40	20.10	19.10	19.00	18.90	18.50	18.10

3747888.72	19.20	19.10	19.20	20.10	19.60	19.40	19.00	18.60	18.30
3747832.34	19.10	19.00	19.60	19.90	19.90	19.30	19.30	19.20	18.90
3747775.96	23.10	24.00	19.40	19.60	20.10	19.50	19.20	18.80	18.60
3747719.58	23.40	24.00	24.90	26.00	20.10	19.50	19.30	19.00	18.60
3747663.20	19.10	24.50	25.30	25.80	24.70	25.90	19.20	18.80	18.50
3747606.82	19.60	19.30	19.50	26.20	26.20	25.00	25.10	18.80	18.80
3747550.44	19.70	19.30	19.20	19.50	25.50	25.80	24.50	22.10	22.20
3747494.06	19.50	19.30	19.10	19.50	20.00	19.20	20.00	23.90	22.40
3747437.68	19.50	18.90	18.60	19.30	19.90	20.00	20.10	20.00	20.10
3747381.30	19.40	19.00	18.80	19.10	20.10	20.10	20.10	19.70	19.90
3747324.92	19.40	19.30	19.50	19.70	20.00	20.10	19.90	19.60	19.70
3747268.54	19.10	18.90	19.60	19.70	20.00	20.10	19.80	19.40	19.60
3747212.16	18.10	24.50	19.30	22.80	20.20	20.10	19.80	19.50	19.10
3747155.78	24.30	24.50	22.60	23.40	20.30	20.40	20.40	20.90	20.10
3747099.40	24.30	24.30	20.30	23.20	20.10	20.50	20.60	20.10	20.00
3747043.02	24.30	17.40	18.60	23.30	19.60	20.00	19.80	20.30	20.40
3746986.64	22.90	21.40	19.00	22.70	19.60	19.70	20.00	19.90	20.50

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations second 14YR Exposure      \*\*\*      08:46:26  
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\*\*\* MODELOPTs:      RegDFault      CONC      ELEV      URBAN      ADJ\_U\*

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

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)		
	378570.37	378657.67	378744.97
3748114.24	16.40	16.00	16.70
3748057.86	17.10	17.30	17.10
3748001.48	17.70	17.20	17.20
3747945.10	17.60	17.40	17.40
3747888.72	18.10	17.40	17.50
3747832.34	17.90	17.50	17.40
3747775.96	17.90	17.60	17.30
3747719.58	18.00	17.70	17.50
3747663.20	18.10	17.70	17.80
3747606.82	18.20	17.80	17.90
3747550.44	18.20	18.00	17.90
3747494.06	19.90	18.50	18.30
3747437.68	21.40	22.40	23.30
3747381.30	20.10	21.00	24.00
3747324.92	19.80	19.20	18.50
3747268.54	19.20	19.00	18.70
3747212.16	18.80	18.60	18.40
3747155.78	19.20	19.40	19.10
3747099.40	18.90	19.30	19.00
3747043.02	19.20	19.20	18.60









3747043.02	0.00043	0.00056	0.00071	0.00090	0.00110	0.00127	0.00124	0.00106	0.00084
3746986.64	0.00038	0.00048	0.00061	0.00076	0.00089	0.00100	0.00102	0.00089	0.00074

\*\*\* AERMOD - VERSION 19191 \*\*\*    \*\*\* 190th St Warehouse 2040-2053    \*\*\*    05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\* DPM concentrations second 14YR Exposure    \*\*\*    08:46:26  
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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):    STCK1    ,    STCK2    ,    STCK3    ,    STCK4    ,    STCK5    ,  
 STCK6    ,    L0002636    ,    L0002637    ,    L0002638    ,    L0002639    ,    L0002640    ,    L0002641    ,    L0002642    ,  
 L0002643    ,    L0002644    ,    L0002645    ,    L0002646    ,    L0002647    ,    L0002648    ,    L0002649    ,    L0002650    ,  
 L0002651    ,    L0002652    ,    L0002653    ,    L0002654    ,    L0002655    ,    L0002656    ,    L0002657    ,    . . .    ,

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

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

Y-COORD (METERS)	377784.67	377871.97	377959.27	X-COORD (METERS) 378046.57	378133.87	378221.17	378308.47	378395.77	378483.07
3748114.24	0.00018	0.00017	0.00016	0.00015	0.00014	0.00013	0.00012	0.00011	0.00010
3748057.86	0.00021	0.00019	0.00018	0.00017	0.00015	0.00014	0.00013	0.00012	0.00011
3748001.48	0.00024	0.00022	0.00021	0.00019	0.00017	0.00016	0.00014	0.00013	0.00012
3747945.10	0.00028	0.00026	0.00024	0.00021	0.00019	0.00017	0.00016	0.00014	0.00013
3747888.72	0.00034	0.00031	0.00028	0.00025	0.00022	0.00019	0.00017	0.00016	0.00014
3747832.34	0.00040	0.00037	0.00033	0.00029	0.00025	0.00022	0.00019	0.00017	0.00015
3747775.96	0.00047	0.00044	0.00039	0.00034	0.00029	0.00024	0.00021	0.00018	0.00016
3747719.58	0.00062	0.00053	0.00047	0.00039	0.00033	0.00027	0.00023	0.00020	0.00017
3747663.20	0.00079	0.00068	0.00056	0.00046	0.00037	0.00030	0.00025	0.00021	0.00018
3747606.82	0.00102	0.00084	0.00066	0.00051	0.00041	0.00034	0.00026	0.00022	0.00019
3747550.44	0.00130	0.00098	0.00073	0.00055	0.00043	0.00034	0.00030	0.00025	0.00020
3747494.06	0.00149	0.00106	0.00077	0.00058	0.00045	0.00036	0.00030	0.00026	0.00023
3747437.68	0.00157	0.00110	0.00081	0.00061	0.00048	0.00038	0.00032	0.00027	0.00024
3747381.30	0.00158	0.00114	0.00085	0.00065	0.00052	0.00042	0.00035	0.00030	0.00027
3747324.92	0.00156	0.00119	0.00092	0.00073	0.00059	0.00050	0.00043	0.00038	0.00034
3747268.54	0.00165	0.00141	0.00121	0.00105	0.00092	0.00084	0.00078	0.00074	0.00071
3747212.16	0.00138	0.00122	0.00106	0.00093	0.00081	0.00073	0.00066	0.00062	0.00058
3747155.78	0.00093	0.00077	0.00066	0.00057	0.00049	0.00042	0.00037	0.00033	0.00030
3747099.40	0.00078	0.00063	0.00053	0.00044	0.00038	0.00033	0.00028	0.00025	0.00022
3747043.02	0.00068	0.00054	0.00044	0.00036	0.00031	0.00027	0.00023	0.00021	0.00019
3746986.64	0.00059	0.00047	0.00038	0.00031	0.00027	0.00023	0.00020	0.00018	0.00016

\*\*\* AERMOD - VERSION 19191 \*\*\*    \*\*\* 190th St Warehouse 2040-2053    \*\*\*    05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\* DPM concentrations second 14YR Exposure    \*\*\*    08:46:26  
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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):    STCK1    ,    STCK2    ,    STCK3    ,    STCK4    ,    STCK5    ,

STCK6 , L0002636 , L0002637 , L0002638 , L0002639 , L0002640 , L0002641 , L0002642 ,  
 L0002643 , L0002644 , L0002645 , L0002646 , L0002647 , L0002648 , L0002649 , L0002650 ,  
 L0002651 , L0002652 , L0002653 , L0002654 , L0002655 , L0002656 , L0002657 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)		
	378570.37	378657.67	378744.97
3748114.24	0.00010	0.00009	0.00009
3748057.86	0.00010	0.00010	0.00009
3748001.48	0.00011	0.00010	0.00010
3747945.10	0.00012	0.00011	0.00010
3747888.72	0.00013	0.00012	0.00011
3747832.34	0.00014	0.00012	0.00011
3747775.96	0.00014	0.00013	0.00012
3747719.58	0.00015	0.00014	0.00012
3747663.20	0.00016	0.00014	0.00013
3747606.82	0.00017	0.00015	0.00013
3747550.44	0.00018	0.00016	0.00014
3747494.06	0.00019	0.00016	0.00014
3747437.68	0.00021	0.00019	0.00016
3747381.30	0.00024	0.00021	0.00018
3747324.92	0.00031	0.00026	0.00019
3747268.54	0.00068	0.00061	0.00025
3747212.16	0.00054	0.00047	0.00022
3747155.78	0.00027	0.00022	0.00017
3747099.40	0.00020	0.00017	0.00014
3747043.02	0.00016	0.00014	0.00012
3746986.64	0.00014	0.00013	0.00011

\*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* 190th St Warehouse 2040-2053      \*\*\*      05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\* DPM concentrations second 14YR Exposure      \*\*\*      08:46:26

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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):      STCK1      ,      STCK2      ,      STCK3      ,      STCK4      ,      STCK5      ,  
 STCK6      ,      L0002636      ,      L0002637      ,      L0002638      ,      L0002639      ,      L0002640      ,      L0002641      ,      L0002642      ,  
 L0002643      ,      L0002644      ,      L0002645      ,      L0002646      ,      L0002647      ,      L0002648      ,      L0002649      ,      L0002650      ,  
 L0002651      ,      L0002652      ,      L0002653      ,      L0002654      ,      L0002655      ,      L0002656      ,      L0002657      ,      . . .      ,

\*\*\* 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	
377146.65	3747291.37	0.00128	377230.47	3747442.55	0.00182	
377253.39	3747498.09	0.00185	377259.26	3747543.71	0.00166	
377259.26	3747621.90	0.00132	377260.56	3747704.66	0.00106	
378132.19	3747267.37	0.00095	378294.52	3747265.66	0.00084	

\*\*\* AERMOD - VERSION 19191 \*\*\*    \*\*\* 190th St Warehouse 2040-2053    \*\*\*    05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\* DPM concentrations second 14YR Exposure    \*\*\*    08:46:26  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* 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	0.00517 AT (	377522.77, 3747437.68,	19.90,	19.90,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00514 AT (	377610.07, 3747437.68,	20.00,	20.00,	0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.00483 AT (	377610.07, 3747381.30,	20.20,	20.20,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00481 AT (	377435.47, 3747437.68,	19.90,	19.90,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00459 AT (	377435.47, 3747381.30,	19.60,	19.60,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00434 AT (	377348.17, 3747437.68,	19.20,	19.20,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00417 AT (	377522.77, 3747381.30,	20.40,	20.40,	0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00392 AT (	377435.47, 3747324.92,	19.30,	19.30,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00347 AT (	377610.07, 3747268.54,	19.50,	19.50,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00332 AT (	377522.77, 3747324.92,	20.40,	20.40,	0.00)	GC	UCART1

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

\*\*\* AERMOD - VERSION 19191 \*\*\*    \*\*\* 190th St Warehouse 2040-2053    \*\*\*    05/15/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\* DPM concentrations second 14YR Exposure    \*\*\*    08:46:26  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

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

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

A Total of 0 Fatal Error Message(s)  
A Total of 8 Warning Message(s)  
A Total of 1474 Informational Message(s)  
  
A Total of 43848 Hours Were Processed  
  
A Total of 1223 Calm Hours Identified  
  
A Total of 251 Missing Hours Identified ( 0.57 Percent)

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

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

SO W320	872	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	873	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	874	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	875	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	876	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	877	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
ME W186	1862	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	1862	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	

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

EMFAC2017 for Los Angeles (SC)

PM10 Running and Idling Exhaust

Area	Season	Veh	Fuel	MdYr	Speed (Miles/hr)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
						(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)
Los Angeles (SC)	Annual	LHDT2	DSL	Aggregated	0	0.786999	0.787704	0.788815	0.79041	0.792099	0.793443	0.795102	0.796603	0.797478	0.795695	0.796184	0.795717	0.793787
Los Angeles (SC)	Annual	LHDT2	DSL	Aggregated	5	0.068164	0.064801	0.061574	0.058555	0.055644	0.0529	0.050412	0.048159	0.046096	0.044133	0.042483	0.040943	0.039478
Los Angeles (SC)	Annual	LHDT2	DSL	Aggregated	10	0.051687	0.049607	0.04761	0.045744	0.043936	0.042229	0.04068	0.039275	0.037984	0.036744	0.035705	0.034726	0.033781
Los Angeles (SC)	Annual	LHDT2	DSL	Aggregated	35	0.01977	0.019287	0.018824	0.018391	0.017966	0.017562	0.017195	0.016859	0.016547	0.016238	0.015982	0.015733	0.015483
Los Angeles (SC)	Annual	MHDT	DSL	Aggregated	0	0.147006	0.043967	0.038351	0.032887	0.028163	0.024482	0.021469	0.019023	0.016871	0.014933	0.013514	0.012353	0.011424
Los Angeles (SC)	Annual	MHDT	DSL	Aggregated	5	0.070223	0.006736	0.006571	0.006394	0.006222	0.00606	0.005934	0.005821	0.005713	0.00561	0.005519	0.005445	0.005375
Los Angeles (SC)	Annual	MHDT	DSL	Aggregated	10	0.062291	0.005836	0.005702	0.005556	0.005413	0.005279	0.005175	0.005081	0.004991	0.004905	0.004829	0.004767	0.004709
Los Angeles (SC)	Annual	MHDT	DSL	Aggregated	35	0.034264	0.003935	0.003951	0.003952	0.003939	0.003919	0.00391	0.0039	0.003886	0.003869	0.003854	0.003842	0.003827
Los Angeles (SC)	Annual	HHDT	DSL	Aggregated	0	0.015028	0.012569	0.012319	0.012103	0.01185	0.011625	0.011464	0.01127	0.011067	0.010916	0.010806	0.010682	0.010536
Los Angeles (SC)	Annual	HHDT	DSL	Aggregated	5	0.043461	0.013015	0.013009	0.012891	0.012711	0.01253	0.01236	0.012167	0.01198	0.011821	0.011671	0.011519	0.011343
Los Angeles (SC)	Annual	HHDT	DSL	Aggregated	10	0.037097	0.011385	0.011388	0.011292	0.01114	0.010985	0.01084	0.010673	0.010511	0.010374	0.010245	0.010112	0.009959
Los Angeles (SC)	Annual	HHDT	DSL	Aggregated	35	0.01772	0.008784	0.008889	0.008899	0.008855	0.008797	0.008732	0.008648	0.008564	0.008494	0.008425	0.008356	0.008274

	14 yr 2025-2039		14 yr 2025-2039		14 yr 2025-2039	
	10 mph	35 mph	0 mph (idling)	Onsite	Offsite	Idling
LHDT2	0.03705	0.01629	0.79363			
MHDT	0.00493	0.00386	0.01672			
HHDT	0.01036	0.00848	0.01098			

	14 yr 2040-2053		14 yr 2040-2053		14 yr 2040-2053	
	10 mph	35 mph	0 mph (idling)	Onsite	Offsite	Idling
LHDT2	0.02916	0.01434	0.79427			
MHDT	0.00435	0.00368	0.00774			
HHDT	0.00958	0.00810	0.01015			

	2 yr 2023-2024		2 yr 2023-2024		2 yr 2023-2024	
	10 mph	35 mph	0 mph (idling)	Onsite	Offsite	Idling
LHDT2	0.04861	0.01906	0.78826			
MHDT	0.00577	0.00394	0.04116			
HHDT	0.01139	0.00884	0.01244			

	1 yr 2022		1 yr 2022		1 yr 2022	
	10 mph	35 mph	0 mph (idling)	Onsite	Offsite	Idling
LHDT2	0.05169	0.01977	0.78700			
MHDT	0.06229	0.03426	0.14701			
HHDT	0.03710	0.01772	0.01503			



2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	
(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)	(gms/mile)
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	0.796661	0.796661	0.796661	0.796661
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	0.030128	0.030128	0.030128	0.030128
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	0.027917	0.027917	0.027917	0.027917
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	0.014057	0.014057	0.014057	0.014057
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	0.007339	0.007339	0.007339	0.007339
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	0.004904	0.004904	0.004904	0.004904
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	0.004313	0.004313	0.004313	0.004313
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	0.003657	0.003657	0.003657	0.003657
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	0.010093	0.010093	0.010093	0.010093
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	0.010875	0.010875	0.010875	0.010875
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	0.009564	0.009564	0.009564	0.009564
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	0.008108	0.008108	0.008108	0.008108

## **APPENDIX D**

### **CALEEMOD MODEL ANNUAL EMISSIONS PRINTOUTS**

19260 190th Street Warehouse - Los Angeles-South Coast County, Annual

**19260 190th Street Warehouse**  
**Los Angeles-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	20.37	1000sqft	0.13	20,370.00	0
Manufacturing	198.40	1000sqft	4.55	198,400.00	0
Unrefrigerated Warehouse-No Rail	86.78	1000sqft	1.99	86,780.00	0
Other Non-Asphalt Surfaces	0.90	Acre	0.90	39,204.00	0
Parking Lot	636.00	Space	5.72	254,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	8			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

## 19260 190th Street Warehouse - Los Angeles-South Coast County, Annual

## Project Characteristics -

Land Use - 13.29 gross ac w/ (total bldg footprint is 291TSF) 86.78TSF warehouse, 198.4TSF manufacturing, 20.37TSF office (includes ~14,550sf mezzanine), parking lot w/ 636 stalls, & rmdr detention basins/landscaping ~0.9 ac.

Construction Phase - Demolition anticipated to begin no earlier than mid-June 2020. All other site work & building construction anticipated to begin May 2021 and be completed by May 2022.

Off-road Equipment - CalEEMod default building construction timing decreased by ~33%; therefore, ~33% more equipment needed than CalEEMod defaults.

Off-road Equipment - Site Preparation of ~70% of site (~9.3 ac) to remove existing asphalt parking lot; therefore, only ~70% of CalEEMod default equipment needed for site preparation.

## Trips and VMT -

Demolition - Demolition of an existing ~162,504 sf building.

Grading - Site Preparation of ~70% of site (~9.3 ac) to remove existing asphalt parking lot. ~19,930 CY import during grading.

Architectural Coating - SCAQMD Rule 1113 limits architectural coatings to 50g/L VOC for buildings & 100g/L VOC for parking lot striping.

Vehicle Trips - Per TIA, 1.74trips/TSF warehouse (non-PCE), 3.93trips/TSF manufacturing (non-PCE), & 9.74trips/TSf office. ITE10th Ed used Sat/Sun for warehouse & office. Truck trips 40 miles one-way. Trip % 20.4% C-W & 79.57% C-NW warehouse/manufacturing.

## Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - ~0.02 miles NW Transit Rte 6 stop 190th/Honeywell & ~1.76 miles NE dwntwn Torrance. Sidewalks on/off site. LA County 1emp/1,306sf industrial & 1emp/302sf office = 285emp/6.68ac (job ac=bldg ftrprt only)= 42.7jobs/jb ac.

Energy Mitigation - Lighting that is ~34% more efficient than standard. EnergyStar appliances to be used on-site.

Water Mitigation - 20% indoor water reduction per CalGreen Standards. Water-efficient irrigation systems.

Waste Mitigation - AB 341 requires each jurisdiction in CA divert at least 75% of their waste away from landfills by 2020.

Fleet Mix - Revised vehicle mix per TIA of 79.57% autos, 3.46% 2 axle trucks, 4.64% 3 axle trucks, & 12.33% 4+ axle trucks for warehouse & manufacturing.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	300.00	200.00
tblConstructionPhase	NumDays	20.00	30.00
tblFleetMix	HHD	0.03	0.12
tblFleetMix	HHD	0.03	0.12

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tblFleetMix	LDA	0.55	0.47
tblFleetMix	LDA	0.55	0.47
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.20	0.18
tblFleetMix	LDT2	0.20	0.18
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	6.1960e-003	9.7730e-003
tblFleetMix	LHD2	6.1960e-003	9.7730e-003
tblFleetMix	MCY	5.1420e-003	4.4430e-003
tblFleetMix	MCY	5.1420e-003	4.4430e-003
tblFleetMix	MDV	0.12	0.10
tblFleetMix	MDV	0.12	0.10
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.05
tblFleetMix	MHD	0.02	0.05
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblGrading	AcresOfGrading	0.00	9.30
tblGrading	MaterialImported	0.00	19,930.00
tblLandUse	LotAcreage	0.47	0.13

## 19260 190th Street Warehouse - Los Angeles-South Coast County, Annual

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	79.57
tblVehicleTrips	CNW_TTP	41.00	79.57
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	59.00	20.43
tblVehicleTrips	CW_TTP	59.00	20.43
tblVehicleTrips	ST_TR	2.46	2.21
tblVehicleTrips	ST_TR	1.49	3.93
tblVehicleTrips	ST_TR	1.68	0.15
tblVehicleTrips	SU_TR	1.05	0.70
tblVehicleTrips	SU_TR	0.62	3.93
tblVehicleTrips	SU_TR	1.68	0.06
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	3.82	3.93
tblVehicleTrips	WD_TR	1.68	1.74

## 2.0 Emissions Summary

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19260 190th Street Warehouse - Los Angeles-South Coast County, Annual

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0371	0.4423	0.2479	6.9000e-004	0.0880	0.0169	0.1049	0.0143	0.0158	0.0301	0.0000	64.0110	64.0110	0.0116	0.0000	64.3018
2021	0.3536	3.4715	3.0267	8.1400e-003	0.4484	0.1290	0.5774	0.1558	0.1210	0.2768	0.0000	741.5272	741.5272	0.0996	0.0000	744.0175
2022	0.8908	1.1429	1.3205	3.2500e-003	0.1190	0.0442	0.1631	0.0321	0.0417	0.0737	0.0000	293.6053	293.6053	0.0366	0.0000	294.5200
<b>Maximum</b>	<b>0.8908</b>	<b>3.4715</b>	<b>3.0267</b>	<b>8.1400e-003</b>	<b>0.4484</b>	<b>0.1290</b>	<b>0.5774</b>	<b>0.1558</b>	<b>0.1210</b>	<b>0.2768</b>	<b>0.0000</b>	<b>741.5272</b>	<b>741.5272</b>	<b>0.0996</b>	<b>0.0000</b>	<b>744.0175</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0371	0.4423	0.2479	6.9000e-004	0.0392	0.0169	0.0561	6.9000e-003	0.0158	0.0227	0.0000	64.0110	64.0110	0.0116	0.0000	64.3017
2021	0.3536	3.4715	3.0267	8.1400e-003	0.3286	0.1290	0.4576	0.1023	0.1210	0.2233	0.0000	741.5268	741.5268	0.0996	0.0000	744.0171
2022	0.8908	1.1429	1.3205	3.2500e-003	0.1190	0.0442	0.1631	0.0321	0.0417	0.0737	0.0000	293.6051	293.6051	0.0366	0.0000	294.5198
<b>Maximum</b>	<b>0.8908</b>	<b>3.4715</b>	<b>3.0267</b>	<b>8.1400e-003</b>	<b>0.3286</b>	<b>0.1290</b>	<b>0.4576</b>	<b>0.1023</b>	<b>0.1210</b>	<b>0.2233</b>	<b>0.0000</b>	<b>741.5268</b>	<b>741.5268</b>	<b>0.0996</b>	<b>0.0000</b>	<b>744.0171</b>

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	25.72	0.00	19.94	30.13	0.00	16.01	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-15-2020	9-14-2020	0.4418	0.4418
4	3-15-2021	6-14-2021	0.9679	0.9679
5	6-15-2021	9-14-2021	1.3775	1.3775
6	9-15-2021	12-14-2021	1.2275	1.2275
7	12-15-2021	3-14-2022	1.1298	1.1298
8	3-15-2022	6-14-2022	1.1339	1.1339
		Highest	1.3775	1.3775

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2699	1.1000e-004	0.0121	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0234	0.0234	6.0000e-005	0.0000	0.0249
Energy	0.0252	0.2291	0.1925	1.3700e-003		0.0174	0.0174		0.0174	0.0174	0.0000	1,017.7670	1,017.7670	0.0365	0.0111	1,021.9979
Mobile	0.4219	5.0203	5.6636	0.0282	1.7773	0.0226	1.7999	0.4785	0.0212	0.4998	0.0000	2,644.8804	2,644.8804	0.1261	0.0000	2,648.0318
Waste						0.0000	0.0000		0.0000	0.0000	70.3425	0.0000	70.3425	4.1571	0.0000	174.2705
Water						0.0000	0.0000		0.0000	0.0000	22.0708	296.4778	318.5486	2.2791	0.0561	392.2322
<b>Total</b>	<b>1.7170</b>	<b>5.2495</b>	<b>5.8681</b>	<b>0.0295</b>	<b>1.7773</b>	<b>0.0400</b>	<b>1.8174</b>	<b>0.4785</b>	<b>0.0387</b>	<b>0.5172</b>	<b>92.4133</b>	<b>3,959.1487</b>	<b>4,051.5619</b>	<b>6.5989</b>	<b>0.0672</b>	<b>4,236.5573</b>



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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2699	1.1000e-004	0.0121	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0234	0.0234	6.0000e-005	0.0000	0.0249
Energy	0.0252	0.2291	0.1925	1.3700e-003		0.0174	0.0174		0.0174	0.0174	0.0000	908.7520	908.7520	0.0320	0.0102	912.5929
Mobile	0.3184	3.7482	3.6223	0.0170	1.0117	0.0135	1.0252	0.2724	0.0127	0.2851	0.0000	1,600.3952	1,600.3952	0.0859	0.0000	1,602.5415
Waste						0.0000	0.0000		0.0000	0.0000	17.5856	0.0000	17.5856	1.0393	0.0000	43.5676
Water						0.0000	0.0000		0.0000	0.0000	17.6567	238.7532	256.4099	1.8234	0.0449	315.3623
<b>Total</b>	<b>1.6135</b>	<b>3.9774</b>	<b>3.8268</b>	<b>0.0184</b>	<b>1.0117</b>	<b>0.0310</b>	<b>1.0426</b>	<b>0.2724</b>	<b>0.0301</b>	<b>0.3025</b>	<b>35.2423</b>	<b>2,747.9238</b>	<b>2,783.1661</b>	<b>2.9806</b>	<b>0.0551</b>	<b>2,874.0893</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>6.03</b>	<b>24.23</b>	<b>34.79</b>	<b>37.77</b>	<b>43.08</b>	<b>22.70</b>	<b>42.63</b>	<b>43.08</b>	<b>22.10</b>	<b>41.51</b>	<b>61.86</b>	<b>30.59</b>	<b>31.31</b>	<b>54.83</b>	<b>18.07</b>	<b>32.16</b>

**3.0 Construction Detail**

**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/15/2020	7/10/2020	5	20	
2	Site Preparation	Site Preparation	5/1/2021	5/14/2021	5	10	
3	Grading	Grading	5/15/2021	6/25/2021	5	30	
4	Building Construction	Building Construction	6/26/2021	4/2/2022	5	200	
5	Paving	Paving	3/21/2022	4/15/2022	5	20	
6	Architectural Coating	Architectural Coating	3/22/2022	5/2/2022	5	30	

**Acres of Grading (Site Preparation Phase): 9.3**

**Acres of Grading (Grading Phase): 75**

**Acres of Paving: 6.62**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 458,325; Non-Residential Outdoor: 152,775; Striped Parking Area: 17,616 (Architectural Coating – sqft)**

**OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	739.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	2,491.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	250.00	98.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0800	0.0000	0.0800	0.0121	0.0000	0.0121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386
<b>Total</b>	<b>0.0331</b>	<b>0.3320</b>	<b>0.2175</b>	<b>3.9000e-004</b>	<b>0.0800</b>	<b>0.0166</b>	<b>0.0966</b>	<b>0.0121</b>	<b>0.0154</b>	<b>0.0275</b>	<b>0.0000</b>	<b>33.9986</b>	<b>33.9986</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>34.2386</b>

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**3.2 Demolition - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2600e-003	0.1097	0.0242	2.9000e-004	6.3500e-003	3.4000e-004	6.6900e-003	1.7400e-003	3.3000e-004	2.0700e-003	0.0000	28.4804	28.4804	1.9800e-003	0.0000	28.5300
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332
<b>Total</b>	<b>3.9500e-003</b>	<b>0.1103</b>	<b>0.0304</b>	<b>3.1000e-004</b>	<b>7.9900e-003</b>	<b>3.5000e-004</b>	<b>8.3500e-003</b>	<b>2.1800e-003</b>	<b>3.4000e-004</b>	<b>2.5200e-003</b>	<b>0.0000</b>	<b>30.0124</b>	<b>30.0124</b>	<b>2.0300e-003</b>	<b>0.0000</b>	<b>30.0632</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0312	0.0000	0.0312	4.7200e-003	0.0000	4.7200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2385
<b>Total</b>	<b>0.0331</b>	<b>0.3320</b>	<b>0.2175</b>	<b>3.9000e-004</b>	<b>0.0312</b>	<b>0.0166</b>	<b>0.0478</b>	<b>4.7200e-003</b>	<b>0.0154</b>	<b>0.0201</b>	<b>0.0000</b>	<b>33.9986</b>	<b>33.9986</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>34.2385</b>

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**3.2 Demolition - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2600e-003	0.1097	0.0242	2.9000e-004	6.3500e-003	3.4000e-004	6.6900e-003	1.7400e-003	3.3000e-004	2.0700e-003	0.0000	28.4804	28.4804	1.9800e-003	0.0000	28.5300
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332
<b>Total</b>	<b>3.9500e-003</b>	<b>0.1103</b>	<b>0.0304</b>	<b>3.1000e-004</b>	<b>7.9900e-003</b>	<b>3.5000e-004</b>	<b>8.3500e-003</b>	<b>2.1800e-003</b>	<b>3.4000e-004</b>	<b>2.5200e-003</b>	<b>0.0000</b>	<b>30.0124</b>	<b>30.0124</b>	<b>2.0300e-003</b>	<b>0.0000</b>	<b>30.0632</b>

**3.3 Site Preparation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0652	0.0000	0.0652	0.0336	0.0000	0.0336	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1382	0.0743	1.3000e-004		7.0000e-003	7.0000e-003		6.4400e-003	6.4400e-003	0.0000	11.6002	11.6002	3.7500e-003	0.0000	11.6940
<b>Total</b>	<b>0.0133</b>	<b>0.1382</b>	<b>0.0743</b>	<b>1.3000e-004</b>	<b>0.0652</b>	<b>7.0000e-003</b>	<b>0.0722</b>	<b>0.0336</b>	<b>6.4400e-003</b>	<b>0.0401</b>	<b>0.0000</b>	<b>11.6002</b>	<b>11.6002</b>	<b>3.7500e-003</b>	<b>0.0000</b>	<b>11.6940</b>

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**3.3 Site Preparation - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.2000e-004	2.4600e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6428	0.6428	2.0000e-005	0.0000	0.6433
<b>Total</b>	<b>2.8000e-004</b>	<b>2.2000e-004</b>	<b>2.4600e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>1.0000e-005</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>1.0000e-005</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6428</b>	<b>0.6428</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6433</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0254	0.0000	0.0254	0.0131	0.0000	0.0131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1382	0.0743	1.3000e-004		7.0000e-003	7.0000e-003		6.4400e-003	6.4400e-003	0.0000	11.6002	11.6002	3.7500e-003	0.0000	11.6940
<b>Total</b>	<b>0.0133</b>	<b>0.1382</b>	<b>0.0743</b>	<b>1.3000e-004</b>	<b>0.0254</b>	<b>7.0000e-003</b>	<b>0.0324</b>	<b>0.0131</b>	<b>6.4400e-003</b>	<b>0.0196</b>	<b>0.0000</b>	<b>11.6002</b>	<b>11.6002</b>	<b>3.7500e-003</b>	<b>0.0000</b>	<b>11.6940</b>

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**3.3 Site Preparation - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.2000e-004	2.4600e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6428	0.6428	2.0000e-005	0.0000	0.6433
<b>Total</b>	<b>2.8000e-004</b>	<b>2.2000e-004</b>	<b>2.4600e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>1.0000e-005</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>1.0000e-005</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6428</b>	<b>0.6428</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6433</b>

**3.4 Grading - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1312	0.0000	0.1312	0.0541	0.0000	0.0541	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7425	81.7425	0.0264	0.0000	82.4034
<b>Total</b>	<b>0.0629</b>	<b>0.6960</b>	<b>0.4632</b>	<b>9.3000e-004</b>	<b>0.1312</b>	<b>0.0298</b>	<b>0.1610</b>	<b>0.0541</b>	<b>0.0274</b>	<b>0.0815</b>	<b>0.0000</b>	<b>81.7425</b>	<b>81.7425</b>	<b>0.0264</b>	<b>0.0000</b>	<b>82.4034</b>



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**3.4 Grading - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0105	0.3448	0.0804	9.6000e-004	0.0214	1.0300e-003	0.0224	5.8800e-003	9.9000e-004	6.8700e-003	0.0000	94.9440	94.9440	6.5900e-003	0.0000	95.1087
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9668	2.9668	9.0000e-005	0.0000	2.9689
<b>Total</b>	<b>0.0118</b>	<b>0.3458</b>	<b>0.0917</b>	<b>9.9000e-004</b>	<b>0.0247</b>	<b>1.0600e-003</b>	<b>0.0258</b>	<b>6.7500e-003</b>	<b>1.0100e-003</b>	<b>7.7700e-003</b>	<b>0.0000</b>	<b>97.9107</b>	<b>97.9107</b>	<b>6.6800e-003</b>	<b>0.0000</b>	<b>98.0777</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0512	0.0000	0.0512	0.0211	0.0000	0.0211	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7424	81.7424	0.0264	0.0000	82.4033
<b>Total</b>	<b>0.0629</b>	<b>0.6960</b>	<b>0.4632</b>	<b>9.3000e-004</b>	<b>0.0512</b>	<b>0.0298</b>	<b>0.0810</b>	<b>0.0211</b>	<b>0.0274</b>	<b>0.0485</b>	<b>0.0000</b>	<b>81.7424</b>	<b>81.7424</b>	<b>0.0264</b>	<b>0.0000</b>	<b>82.4033</b>

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**3.4 Grading - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0105	0.3448	0.0804	9.6000e-004	0.0214	1.0300e-003	0.0224	5.8800e-003	9.9000e-004	6.8700e-003	0.0000	94.9440	94.9440	6.5900e-003	0.0000	95.1087
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9668	2.9668	9.0000e-005	0.0000	2.9689
<b>Total</b>	<b>0.0118</b>	<b>0.3458</b>	<b>0.0917</b>	<b>9.9000e-004</b>	<b>0.0247</b>	<b>1.0600e-003</b>	<b>0.0258</b>	<b>6.7500e-003</b>	<b>1.0100e-003</b>	<b>7.7700e-003</b>	<b>0.0000</b>	<b>97.9107</b>	<b>97.9107</b>	<b>6.6800e-003</b>	<b>0.0000</b>	<b>98.0777</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1722	1.5819	1.5799	2.5500e-003		0.0883	0.0883		0.0834	0.0834	0.0000	219.6937	219.6937	0.0478	0.0000	220.8891
<b>Total</b>	<b>0.1722</b>	<b>1.5819</b>	<b>1.5799</b>	<b>2.5500e-003</b>		<b>0.0883</b>	<b>0.0883</b>		<b>0.0834</b>	<b>0.0834</b>	<b>0.0000</b>	<b>219.6937</b>	<b>219.6937</b>	<b>0.0478</b>	<b>0.0000</b>	<b>220.8891</b>

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**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0205	0.6528	0.1770	1.6800e-003	0.0417	1.3300e-003	0.0430	0.0120	1.2700e-003	0.0133	0.0000	163.0575	163.0575	0.0100	0.0000	163.3075
Worker	0.0726	0.0565	0.6381	1.8500e-003	0.1849	1.5200e-003	0.1864	0.0491	1.4000e-003	0.0505	0.0000	166.8798	166.8798	4.9100e-003	0.0000	167.0025
<b>Total</b>	<b>0.0932</b>	<b>0.7094</b>	<b>0.8151</b>	<b>3.5300e-003</b>	<b>0.2266</b>	<b>2.8500e-003</b>	<b>0.2294</b>	<b>0.0611</b>	<b>2.6700e-003</b>	<b>0.0638</b>	<b>0.0000</b>	<b>329.9372</b>	<b>329.9372</b>	<b>0.0149</b>	<b>0.0000</b>	<b>330.3101</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1722	1.5819	1.5799	2.5500e-003		0.0883	0.0883		0.0834	0.0834	0.0000	219.6935	219.6935	0.0478	0.0000	220.8888
<b>Total</b>	<b>0.1722</b>	<b>1.5819</b>	<b>1.5799</b>	<b>2.5500e-003</b>		<b>0.0883</b>	<b>0.0883</b>		<b>0.0834</b>	<b>0.0834</b>	<b>0.0000</b>	<b>219.6935</b>	<b>219.6935</b>	<b>0.0478</b>	<b>0.0000</b>	<b>220.8888</b>

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**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0205	0.6528	0.1770	1.6800e-003	0.0417	1.3300e-003	0.0430	0.0120	1.2700e-003	0.0133	0.0000	163.0575	163.0575	0.0100	0.0000	163.3075
Worker	0.0726	0.0565	0.6381	1.8500e-003	0.1849	1.5200e-003	0.1864	0.0491	1.4000e-003	0.0505	0.0000	166.8798	166.8798	4.9100e-003	0.0000	167.0025
<b>Total</b>	<b>0.0932</b>	<b>0.7094</b>	<b>0.8151</b>	<b>3.5300e-003</b>	<b>0.2266</b>	<b>2.8500e-003</b>	<b>0.2294</b>	<b>0.0611</b>	<b>2.6700e-003</b>	<b>0.0638</b>	<b>0.0000</b>	<b>329.9372</b>	<b>329.9372</b>	<b>0.0149</b>	<b>0.0000</b>	<b>330.3101</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0746	0.6846	0.7524	1.2300e-003		0.0359	0.0359		0.0340	0.0340	0.0000	105.8158	105.8158	0.0228	0.0000	106.3868
<b>Total</b>	<b>0.0746</b>	<b>0.6846</b>	<b>0.7524</b>	<b>1.2300e-003</b>		<b>0.0359</b>	<b>0.0359</b>		<b>0.0340</b>	<b>0.0340</b>	<b>0.0000</b>	<b>105.8158</b>	<b>105.8158</b>	<b>0.0228</b>	<b>0.0000</b>	<b>106.3868</b>

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**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2800e-003	0.2986	0.0806	8.0000e-004	0.0201	5.6000e-004	0.0206	5.7900e-003	5.4000e-004	6.3300e-003	0.0000	77.8196	77.8196	4.6500e-003	0.0000	77.9358
Worker	0.0328	0.0246	0.2831	8.6000e-004	0.0890	7.1000e-004	0.0897	0.0237	6.5000e-004	0.0243	0.0000	77.5251	77.5251	2.1400e-003	0.0000	77.5785
<b>Total</b>	<b>0.0421</b>	<b>0.3232</b>	<b>0.3637</b>	<b>1.6600e-003</b>	<b>0.1091</b>	<b>1.2700e-003</b>	<b>0.1104</b>	<b>0.0294</b>	<b>1.1900e-003</b>	<b>0.0306</b>	<b>0.0000</b>	<b>155.3447</b>	<b>155.3447</b>	<b>6.7900e-003</b>	<b>0.0000</b>	<b>155.5142</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0746	0.6846	0.7524	1.2300e-003		0.0359	0.0359		0.0340	0.0340	0.0000	105.8157	105.8157	0.0228	0.0000	106.3867
<b>Total</b>	<b>0.0746</b>	<b>0.6846</b>	<b>0.7524</b>	<b>1.2300e-003</b>		<b>0.0359</b>	<b>0.0359</b>		<b>0.0340</b>	<b>0.0340</b>	<b>0.0000</b>	<b>105.8157</b>	<b>105.8157</b>	<b>0.0228</b>	<b>0.0000</b>	<b>106.3867</b>

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**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2800e-003	0.2986	0.0806	8.0000e-004	0.0201	5.6000e-004	0.0206	5.7900e-003	5.4000e-004	6.3300e-003	0.0000	77.8196	77.8196	4.6500e-003	0.0000	77.9358
Worker	0.0328	0.0246	0.2831	8.6000e-004	0.0890	7.1000e-004	0.0897	0.0237	6.5000e-004	0.0243	0.0000	77.5251	77.5251	2.1400e-003	0.0000	77.5785
<b>Total</b>	<b>0.0421</b>	<b>0.3232</b>	<b>0.3637</b>	<b>1.6600e-003</b>	<b>0.1091</b>	<b>1.2700e-003</b>	<b>0.1104</b>	<b>0.0294</b>	<b>1.1900e-003</b>	<b>0.0306</b>	<b>0.0000</b>	<b>155.3447</b>	<b>155.3447</b>	<b>6.7900e-003</b>	<b>0.0000</b>	<b>155.5142</b>

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	7.4900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0185</b>	<b>0.1113</b>	<b>0.1458</b>	<b>2.3000e-004</b>		<b>5.6800e-003</b>	<b>5.6800e-003</b>		<b>5.2200e-003</b>	<b>5.2200e-003</b>	<b>0.0000</b>	<b>20.0276</b>	<b>20.0276</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1895</b>

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**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
<b>Total</b>	<b>6.1000e-004</b>	<b>4.5000e-004</b>	<b>5.2300e-003</b>	<b>2.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4312</b>	<b>1.4312</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.4322</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	7.4900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0185</b>	<b>0.1113</b>	<b>0.1458</b>	<b>2.3000e-004</b>		<b>5.6800e-003</b>	<b>5.6800e-003</b>		<b>5.2200e-003</b>	<b>5.2200e-003</b>	<b>0.0000</b>	<b>20.0275</b>	<b>20.0275</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1895</b>

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**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
<b>Total</b>	<b>6.1000e-004</b>	<b>4.5000e-004</b>	<b>5.2300e-003</b>	<b>2.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4312</b>	<b>1.4312</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.4322</b>

**3.7 Architectural Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0700e-003	0.0211	0.0272	4.0000e-005		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	3.8299	3.8299	2.5000e-004	0.0000	3.8361
<b>Total</b>	<b>0.7520</b>	<b>0.0211</b>	<b>0.0272</b>	<b>4.0000e-005</b>		<b>1.2300e-003</b>	<b>1.2300e-003</b>		<b>1.2300e-003</b>	<b>1.2300e-003</b>	<b>0.0000</b>	<b>3.8299</b>	<b>3.8299</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>3.8361</b>



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**3.7 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0300e-003	2.2700e-003	0.0261	8.0000e-005	8.2200e-003	7.0000e-005	8.2800e-003	2.1800e-003	6.0000e-005	2.2400e-003	0.0000	7.1562	7.1562	2.0000e-004	0.0000	7.1611
<b>Total</b>	<b>3.0300e-003</b>	<b>2.2700e-003</b>	<b>0.0261</b>	<b>8.0000e-005</b>	<b>8.2200e-003</b>	<b>7.0000e-005</b>	<b>8.2800e-003</b>	<b>2.1800e-003</b>	<b>6.0000e-005</b>	<b>2.2400e-003</b>	<b>0.0000</b>	<b>7.1562</b>	<b>7.1562</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>7.1611</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0700e-003	0.0211	0.0272	4.0000e-005		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	3.8299	3.8299	2.5000e-004	0.0000	3.8361
<b>Total</b>	<b>0.7520</b>	<b>0.0211</b>	<b>0.0272</b>	<b>4.0000e-005</b>		<b>1.2300e-003</b>	<b>1.2300e-003</b>		<b>1.2300e-003</b>	<b>1.2300e-003</b>	<b>0.0000</b>	<b>3.8299</b>	<b>3.8299</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>3.8361</b>

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**3.7 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0300e-003	2.2700e-003	0.0261	8.0000e-005	8.2200e-003	7.0000e-005	8.2800e-003	2.1800e-003	6.0000e-005	2.2400e-003	0.0000	7.1562	7.1562	2.0000e-004	0.0000	7.1611
<b>Total</b>	<b>3.0300e-003</b>	<b>2.2700e-003</b>	<b>0.0261</b>	<b>8.0000e-005</b>	<b>8.2200e-003</b>	<b>7.0000e-005</b>	<b>8.2800e-003</b>	<b>2.1800e-003</b>	<b>6.0000e-005</b>	<b>2.2400e-003</b>	<b>0.0000</b>	<b>7.1562</b>	<b>7.1562</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>7.1611</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

Improve Pedestrian Network

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3184	3.7482	3.6223	0.0170	1.0117	0.0135	1.0252	0.2724	0.0127	0.2851	0.0000	1,600.395 2	1,600.395 2	0.0859	0.0000	1,602.541 5
Unmitigated	0.4219	5.0203	5.6636	0.0282	1.7773	0.0226	1.7999	0.4785	0.0212	0.4998	0.0000	2,644.880 4	2,644.880 4	0.1261	0.0000	2,648.031 8

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	198.40	45.02	14.26	483,815	275,397
Manufacturing	779.71	779.71	779.71	3,616,692	2,058,687
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	151.00	13.02	5.21	512,362	291,646
<b>Total</b>	<b>1,129.11</b>	<b>837.75</b>	<b>799.18</b>	<b>4,612,869</b>	<b>2,625,729</b>

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Manufacturing	40.00	8.40	6.90	20.43	0.00	79.57	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	40.00	8.40	6.90	20.43	0.00	79.57	92	5	3

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**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Manufacturing	0.472164	0.038845	0.176265	0.103984	0.024827	0.009773	0.046400	0.123300	0.000000	0.000000	0.004443	0.000000	0.000000
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Unrefrigerated Warehouse-No Rail	0.472164	0.038845	0.176265	0.103984	0.024827	0.009773	0.046400	0.123300	0.000000	0.000000	0.004443	0.000000	0.000000

**5.0 Energy Detail**

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Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Install High Efficiency Lighting

Install Energy Efficient Appliances

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	659.3409	659.3409	0.0272	5.6300e-003	661.6997
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	768.3559	768.3559	0.0317	6.5600e-003	771.1047
NaturalGas Mitigated	0.0252	0.2291	0.1925	1.3700e-003		0.0174	0.0174		0.0174	0.0174	0.0000	249.4111	249.4111	4.7800e-003	4.5700e-003	250.8932
NaturalGas Unmitigated	0.0252	0.2291	0.1925	1.3700e-003		0.0174	0.0174		0.0174	0.0174	0.0000	249.4111	249.4111	4.7800e-003	4.5700e-003	250.8932

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	186182	1.0000e-003	9.1300e-003	7.6700e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004	0.0000	9.9354	9.9354	1.9000e-004	1.8000e-004	9.9944
Manufacturing	4.14656e+006	0.0224	0.2033	0.1707	1.2200e-003		0.0155	0.0155		0.0155	0.0155	0.0000	221.2762	221.2762	4.2400e-003	4.0600e-003	222.5912
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	341045	1.8400e-003	0.0167	0.0140	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	18.1995	18.1995	3.5000e-004	3.3000e-004	18.3076
<b>Total</b>		<b>0.0252</b>	<b>0.2291</b>	<b>0.1925</b>	<b>1.3700e-003</b>		<b>0.0174</b>	<b>0.0174</b>		<b>0.0174</b>	<b>0.0174</b>	<b>0.0000</b>	<b>249.4111</b>	<b>249.4111</b>	<b>4.7800e-003</b>	<b>4.5700e-003</b>	<b>250.8932</b>

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**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	186182	1.0000e-003	9.1300e-003	7.6700e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004	0.0000	9.9354	9.9354	1.9000e-004	1.8000e-004	9.9944
Manufacturing	4.14656e+006	0.0224	0.2033	0.1707	1.2200e-003		0.0155	0.0155		0.0155	0.0155	0.0000	221.2762	221.2762	4.2400e-003	4.0600e-003	222.5912
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	341045	1.8400e-003	0.0167	0.0140	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	18.1995	18.1995	3.5000e-004	3.3000e-004	18.3076
<b>Total</b>		<b>0.0252</b>	<b>0.2291</b>	<b>0.1925</b>	<b>1.3700e-003</b>		<b>0.0174</b>	<b>0.0174</b>		<b>0.0174</b>	<b>0.0174</b>	<b>0.0000</b>	<b>249.4111</b>	<b>249.4111</b>	<b>4.7800e-003</b>	<b>4.5700e-003</b>	<b>250.8932</b>

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	284976	90.7996	3.7500e-003	7.8000e-004	91.1244
Manufacturing	1.67648e+006	534.1625	0.0221	4.5600e-003	536.0734
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	89040	28.3701	1.1700e-003	2.4000e-004	28.4716
Unrefrigerated Warehouse-No Rail	361005	115.0239	4.7500e-003	9.8000e-004	115.4354
<b>Total</b>		<b>768.3559</b>	<b>0.0317</b>	<b>6.5600e-003</b>	<b>771.1047</b>



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**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	253757	80.8525	3.3400e-003	6.9000e-004	81.1417
Manufacturing	1.45366e+006	463.1663	0.0191	3.9600e-003	464.8232
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	58766.4	18.7242	7.7000e-004	1.6000e-004	18.7912
Unrefrigerated Warehouse-No Rail	303175	96.5979	3.9900e-003	8.3000e-004	96.9435
<b>Total</b>		<b>659.3409</b>	<b>0.0272</b>	<b>5.6400e-003</b>	<b>661.6997</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.2699	1.1000e-004	0.0121	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0234	0.0234	6.0000e-005	0.0000	0.0249
Unmitigated	1.2699	1.1000e-004	0.0121	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0234	0.0234	6.0000e-005	0.0000	0.0249

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1457					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1231					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1200e-003	1.1000e-004	0.0121	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0234	0.0234	6.0000e-005	0.0000	0.0249
<b>Total</b>	<b>1.2699</b>	<b>1.1000e-004</b>	<b>0.0121</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.0234</b>	<b>0.0234</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.0249</b>

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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1457					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1231					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1200e-003	1.1000e-004	0.0121	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0234	0.0234	6.0000e-005	0.0000	0.0249
<b>Total</b>	<b>1.2699</b>	<b>1.1000e-004</b>	<b>0.0121</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.0234</b>	<b>0.0234</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.0249</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

- Apply Water Conservation Strategy
- Use Water Efficient Irrigation System

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	256.4099	1.8234	0.0449	315.3623
Unmitigated	318.5486	2.2791	0.0561	392.2322

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	3.62044 / 2.21898	24.0239	0.1189	2.9800e-003	27.8851
Manufacturing	45.88 / 0	204.9012	1.5029	0.0369	253.4766
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	20.0679 / 0	89.6236	0.6574	0.0162	110.8705
<b>Total</b>		<b>318.5486</b>	<b>2.2791</b>	<b>0.0561</b>	<b>392.2322</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	2.89635 / 2.21898	20.7901	0.0952	2.4000e-003	23.8847
Manufacturing	36.704 / 0	163.9209	1.2023	0.0295	202.7813
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	16.0543 / 0	71.6989	0.5259	0.0129	88.6964
<b>Total</b>		<b>256.4099</b>	<b>1.8234</b>	<b>0.0449</b>	<b>315.3623</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

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**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	17.5856	1.0393	0.0000	43.5676
Unmitigated	70.3425	4.1571	0.0000	174.2705

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	18.94	3.8447	0.2272	0.0000	9.5250
Manufacturing	246.02	49.9398	2.9514	0.0000	123.7238
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	81.57	16.5580	0.9786	0.0000	41.0217
<b>Total</b>		<b>70.3425</b>	<b>4.1571</b>	<b>0.0000</b>	<b>174.2705</b>

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**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	4.735	0.9612	0.0568	0.0000	2.3812
Manufacturing	61.505	12.4850	0.7378	0.0000	30.9310
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	20.3925	4.1395	0.2446	0.0000	10.2554
<b>Total</b>		<b>17.5856</b>	<b>1.0393</b>	<b>0.0000</b>	<b>43.5676</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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**GANDDINI GROUP, INC.**

550 Parkcenter Drive, Suite 202, Santa Ana, CA 92705  
714.795.3100 | [www.ganddini.com](http://www.ganddini.com)