Appendix A

Air Quality, Health Risk, and Greenhouse Gas Assessment Report
16-057 San Bernardino Fed Ex/Holly Street Project
County of San Bernardino, California

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Table of Contents

Acronyms and Abbreviations iii

Section 1: Introduction 1
1.1 - Purpose 1
1.2 - Project Location and Description 1
1.3 - Summary of Results 2
1.4 - Mitigation Measures Applied to the Project 3

Section 2: Air Quality Assessment 6
2.1 - Regulatory Setting 6
2.2 - Environmental Setting 20
2.3 - Significance Thresholds 25
2.4 - Project Air Quality Analysis Methodology and Assumptions 29
2.5 - Air Quality Impact Analysis 37

Section 3: Health Risk Assessment 48
3.1 - About Health Risk Assessments 48
3.2 - Toxic Air Contaminants 48
3.3 - DPM Emission Estimates 50
3.4 - Air Dispersion Modeling Assumptions 51
3.5 - Health Risk Assessment Methodology 54
3.6 - Health Risk Impact Analysis Results 58

Section 4: Greenhouse Gas Assessment 60
4.1 - Greenhouse Gases and Climate Change 60
4.2 - Greenhouse Gas Impact Analysis 65

Section 5: References 68

Appendix A: CalEEMod Model Output

Appendix B: Health Risk Assessment Output

List of Tables

Table 1: Air Pollutants and Ambient Air Quality Standards 8
Table 2: Project Air Quality Monitoring Summary 23
Table 3: South Coast Air Basin Attainment Status 24
Table 4: SCAQMD Regional Daily Emission Thresholds 26
Table 5: Equipment Specific Grading Rates 28
Table 6: Construction Localized Significance Thresholds 28
Table 7: Operational Localized Significance Thresholds 29

Table 8: Conceptual Construction Schedule 31
Table 9: Construction Equipment....32
Table 10: Construction Off-site Trips....34
Table 11: Best Available Control Measures for Fugitive Dust 35
Table 12: Number of Project Operational Motor Vehicle Trips....36
Table 13: Number of Existing Operational Motor Vehicle Trips....37
Table 14: Comparison of Construction LSTs and Project On-site Construction Emissions—Without Mitigation....40
Table 15: Summary of the Project's Operational LST Analysis....41
Table 16: Regional Construction Air Pollutant Emissions by Activity—Without Mitigation 43
Table 17: Operational Regional Pollutants (Summer Season)....44
Table 18: Operational Regional Pollutants (Winter Season) 45
Table 19: General Air Dispersion Model Assumptions....51
Table 20: Summary of Emission Source Configurations....54
Table 21: Exposure Assumptions for Cancer Risk....56
Table 22: Process for Estimating Cancer Risks for Various Receptor Types 57
Table 23: Maximum Cancer Risks and Non-Cancer Hazard Index at the MEI During Construction and Operation....59
Table 24: Description of Greenhouse Gases 61
Table 25: Construction Greenhouse Gas Emissions....65
Table 26: Project Greenhouse Gas Emissions 66

List of Exhibits

Exhibit 1: Regional Location Map....4
Exhibit 2: Site Plan....5
Exhibit 3: Wind Rose for Riverside Airport Air Monitoring Station....22
Exhibit 4: Locations of the Project's Operational Emission Sources 52
Exhibit 5: Air Dispersion Modeling Receptor Locations 53
Exhibit 6: Greenhouse Gas Emission Trends by Sector in California....63

ACRONYMS AND ABBREVIATIONS

µg/m^3	micrograms per cubic meter
µm	micrometer one millionth of a meter)
AADT	annual average daily traffic
AERMOD	AMS/EPA Regulatory Model
ARB	California Air Resources Board
ATCM	ARB Air Toxic Control Measure
CEQA	California Environmental Quality Act
CO	carbon monoxide
CPF	cancer potency factor
DBR	daily breathing rate
DPM	diesel particulate matter
ED	exposure duration
EF	exposure frequency
EMFAC	ARB Mobile Source Emission Factor Model
EPA	Environmental Protection Agency
GHG	greenhouse gas
HI	hazard index
HQ	hazard quotient
HRA	health risk assessment
LST	localized significance threshold
$MTCO_2e$	metric tons of CO_2 equivalent
NO_x	oxides of nitrogen
NO_2	nitrogen dioxide
OEHHA	California Office of Environmental Health Hazards Assessment
PM_{10}	particulate matter less than 10 microns in diameter
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter
REL	reference exposure level
ROG	reactive organic gases
SCAQMD	South Coast Air Quality Management District
TOG	total organic gases
VOC	volatile organic compounds

SECTION 1: INTRODUCTION

1.1 - Purpose

The purpose of this assessment report is to provide the results of an air quality, health risk, and greenhouse gas impact assessment that estimates the environmental impacts associated with the construction and operation of the 16-057 San Bernardino Fed Ex/Holly Street Project (the project). This assessment was conducted within the context of the California Environmental Quality Act (CEQA, California Public Resources Code Sections 21000, et seq.). This assessment report was prepared based on the guidance and methodologies recommended by the South Coast Air Quality Management District (SCAQMD) for performing such studies.

This report is subdivided into four main assessment sections. Section 1 provides a review of the purpose, project description, and summary of results. Section 2 provides an assessment of the project's criteria air quality impacts. Section 3 discusses the project's potential health risk impacts while Section 4 quantifies the project's potential greenhouse gas impacts. This approach was followed to provide a single document that integrates all of the above assessments that generally reply on similar sets of methods and guidance.

1.2 - Project Location and Description

The project will serve as a parking lot for FedEx Ground drivers and tractor and trailer storage on approximately 65-acre site. The project is located on the east side of Holly Street, north of Wilson Street, within the City of Rialto Sphere of Influence. Existing land uses near the project site include industrial land uses to the west and north, and the Santa Ana River to the east. The Down River Ranch horse boarding facility is located immediately to the south of the project site on the northeast corner of Holly Street and Wilson Street. Exhibit 1 shows the project's regional location.

The project site is currently occupied by the Milestone MX Park. The Park has a number of dirt tracks where various off-road competitions are held for motorcycle and ATV racing. Existing structures are limited to small single-story buildings supporting the motocross facility, including a pro shop for retail sales, maintenance and storage sheds, and management offices. A parking area frequented by trucks and RVs is also present. The site is fully disturbed and generally maintained free of vegetation. Occasional clusters of ornamental vegetation, including trees, are found between race tracks.

The proposed project would remove the existing structures on-site and pave approximately 31 acres (approximately 48%) of the site for use as a parking lot for FedEx Ground drivers and for trailer storage. Approximately 1005 parking stalls will be provided for automobiles and long-haul tractors. An additional 556 trailer spaces will be provided. The parking lot will be used for FedEx Ground drivers (Contracted Service Providers – CSPs). The CSPs would arrive in their personal vehicles and park, then drive a tractor to the FedEx Rialto Hub located 330 Resource Drive, Bloomington, CA or the West Rialto Station located at 11600 Cactus Ave., Bloomington, CA. CSPs would then pick up a trailer and dispatch from the hub. Drivers would return to drop their trailers at the Rialto Hub or West Rialto station then

drive the tractor back to the proposed Holly Street lot. When the FedEx facilities are congested, some trailers would be returned to the Holly Street lot along with the tractor. Access to the site would be provided via a transponder-operated gate. Security from the FedEx facility would roam between the FedEx site and the proposed Holly Street parking lot and would patrol the site on a regular basis, approximately every 2 hours or 12 times per day.

It is anticipated that approximately 9 CSPs will arrive at the site every hour and will shuttle 9 tractors/trailers to the Rialto Hub or West Rialto Station. This number could be as low as 5 per hour during off-peak times.

Exhibit 2 provides a site plan design for the project. Construction is anticipated to commence in January 2019 and last approximately 1 year.

1.3 - Summary of Results

This assessment of the potential air quality, health risk, and greenhouse gas impacts from the construction and operation of the project support the following conclusions:

Impact AIR-1: The project would not conflict with or obstruct implementation of the applicable air quality plan.
Less than significant impact after mitigation.

Impact AIR-2: The project would not violate air quality standards or contribute substantially to an existing or projected air quality violation.
Less than significant impact after mitigation.

Impact AIR-3: The project would not 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).
Less than significant impact after mitigation.

Impact AIR-4: The project would not expose sensitive receptors to substantial pollutant concentrations.
Less than significant impact.

Impact AIR-5: The project would not create objectionable odors affecting a substantial number of people.
Less than significant impact.

Impact GHG-1: The project would generate direct and indirect greenhouse gas emissions; however, the project's emissions would result in a less than significant impact on the environment.
Less than significant impact.

Impact GHG-2: The project would not conflict with any applicable plan, policy or regulation of an agency adopted to reduce the emissions of greenhouse gases.
Less than significant impact.

1.4 - Mitigation Measures Applied to the Project

1.4.1 - Air Quality Assessment

The project's construction emissions would exceed the SCAQMD's regional significance threshold for NO_X emissions. The following mitigation measure will result in less than significant regional construction impacts.

MM AIR-1 Require all off-road construction equipment with a capacity of 50 horsepower or greater to be equipped with engines that meet the USEPA Tier 4 engine standards.

Exhibit 1
Regional Location Map

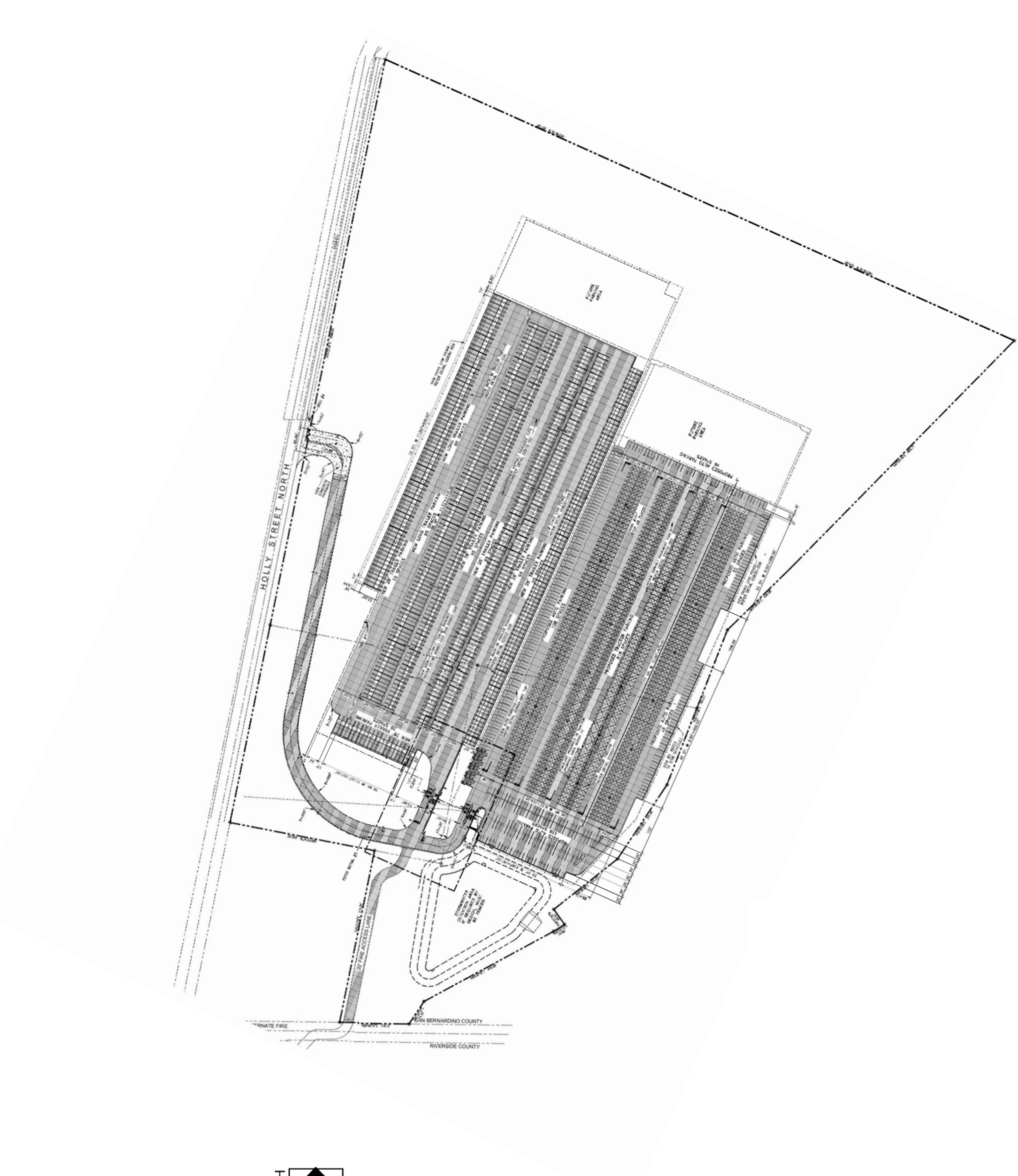

Exhibit 2
Project Site Plan

SECTION 2: AIR QUALITY ASSESSMENT

This section discusses the various air quality regulatory programs applicable to the project as well as the environmental setting as a necessary foundation for quantifying the project's air quality impacts.

2.1 - Regulatory Setting

2.1.1 - United State Environmental Protection Agency

The EPA handles global, international, national, and interstate air pollution issues and policies. The EPA sets national vehicle and stationary source emission standards, oversees approval of all state implementation plans (SIPs), provides research and guidance in air pollution programs, and sets national ambient air quality standards (NAAQS), also known as national standards. There are NAAQS for six common air pollutants, called criteria air pollutants[1], which were identified resulting from provisions of the Clean Air Act of 1970 (CAA).

The six criteria pollutants are:

- Ozone;
- Particulate matter (PM_{10} and $PM_{2.5}$);
- Nitrogen dioxide (NO_2);
- Carbon monoxide (CO);
- Lead; and
- Sulfur dioxide.

The NAAQS were set to protect public health, including that of sensitive individuals; thus, the standards continue to change as more medical research is available regarding the health effects of the criteria pollutants.

2.1.2 - California Air Resources Board

California Air Resources Board (ARB) administers the State Implementation Plan (SIP) for the State of California and has overall responsibility for statewide air quality maintenance and air pollution prevention. A SIP is a document prepared by each state describing existing air quality conditions and measures to follow as necessary to attain and maintain NAAQS within the state. The SIP incorporates the individual attainment plans for regional air districts. Regional air quality attainment plans prepared by individual regional air districts are sent to the ARB to be approved and incorporated into the California SIP. SIPs include the technical foundation for understanding the air quality (e.g. emission inventories and air quality monitoring), control measures and strategies, and enforcement mechanisms. The ARB also administers California ambient air quality standards (CAAQS) for the ten air pollutants designated in the California Clean Air Act (CCAA).

The ten state air pollutants are the six national criteria pollutants plus:

- Visibility reducing particulates;
- Sulfates;
- Hydrogen sulfide (H_2S)
- Vinyl chloride.

[1] EPA calls these pollutants "criteria" air pollutants because it regulates them by developing human health-based and/or environmentally-based criteria (science-based guidelines) for setting permissible levels.

Table 1 summarizes the national and state ambient air quality standards and the effects, properties, and emission sources. Both the national and State standards are periodically updated as new medical information becomes available regarding the health impacts of air pollution.

The ARB has published the "Air Quality and Land Use Handbook: A Community Health Perspective (ARB 2005). This Handbook provides siting recommendations regarding projects that include sensitive land uses (schools, residences, playgrounds, convalescent centers, nursing homes, long-term health care facilities, etc.) near or adjacent to high traffic roadways such as freeways and the associated emissions that may lead to adverse health effects beyond those associated with regional air pollution in urban areas. The Handbook is based on a number of health studies and states, in part, that there is an association "between residential proximity to high traffic roadways and a variety of respiratory symptoms, asthma exacerbations, and decreases in lung function in children." One such study (Brunekreef 1997) "found an association between traffic and respiratory symptoms in children showing measurements of traffic-related pollutants showing concentrations within 300 meters (approximately 1,000 feet) downwind of freeways being higher than regional values." The key observation according to these studies cited in the Handbook is that "close proximity increases both exposure and the potential for adverse health effects." Other effects associated with traffic emissions according to the Handbook include "premature death in elderly individuals with heart disease." Consistent with the recommendations in ARB's Handbook, the Handbook recommends that Lead Agencies avoid siting new sensitive land uses within 500 feet away from a freeway, urban roads with 100,000 vehicles/day, or rural roads with 50,000 vehicles per day. However, the Handbook does indicate that "these recommendations are advisory and should not be interpreted as defined "buffer zones. We recognize the opportunity for more detailed site-specific analyses always exists, and that there is no "one size fits all" solution to land use planning." The recommendations are also based on emission conditions and their impacts that have occurred in the 1990s and 2000s. Emissions from the emission sources described in the Handbook have declined significantly since the 1990s and 2000s to the extent that the Handbook recommendations are advisory at best. However, this air quality and health risk report prepared for this project provides a site-specific analysis of potential impacts using actual emission conditions.

Table 1: Air Pollutants and Ambient Air Quality Standards

Air Pollutant	Averaging Time	California Standard	Federal Standard[a]	Most Relevant Effects from Pollutant Exposure	Properties	Sources
Ozone	1 Hour	0.09 ppm	—	Irritate respiratory system; reduce lung function; breathing pattern changes; reduction of breathing capacity; inflame and damage cells that line the lungs; make lungs more susceptible to infection; aggravate asthma; aggravate other chronic lung diseases; cause permanent lung damage; some immunological changes; increased mortality risk; vegetation and property damage.	Ozone is a photochemical pollutant as it is not emitted directly into the atmosphere, but is formed by a complex series of chemical reactions between reactive organic gases (ROG), NO_X, and sunlight. Ozone is a regional pollutant that is generated over a large area and is transported and spread by the wind.	Ozone is a secondary pollutant; thus, it is not emitted directly into the lower level of the atmosphere. The primary sources of ozone precursors (ROG and NO_X) are mobile sources (on-road and off-road vehicle exhaust).
	8 Hour	0.070 ppm	0.070 ppm			
Carbon monoxide (CO)	1 Hour	20 ppm	35 ppm	Ranges depending on exposure: slight headaches; nausea; aggravation of angina pectoris (chest pain) and other aspects of coronary heart disease; decreased exercise tolerance in persons with peripheral vascular disease and lung disease; impairment of central nervous system functions; possible increased risk to fetuses; death.	CO is a colorless, odorless, toxic gas. CO is somewhat soluble in water; therefore, rainfall and fog can suppress CO conditions. CO enters the body through the lungs, dissolves in the blood, replaces oxygen as an attachment to hemoglobin, and reduces available oxygen in the blood.	CO is produced by incomplete combustion of carbon-containing fuels (e.g., gasoline, diesel fuel, and biomass). Sources include motor vehicle exhaust, industrial processes (metals processing and chemical manufacturing), residential wood burning, and natural sources.
	8 Hour	9.0 ppm	9 ppm			
Nitrogen dioxide [b] (NO_2)	1 Hour	0.18 ppm	0.100 ppm	Potential to aggravate chronic respiratory disease and respiratory symptoms in sensitive groups; risk to public health implied by pulmonary and extra-pulmonary biochemical and cellular changes and pulmonary structural changes; contribution to atmospheric discoloration; increased visits to hospital for respiratory illnesses.	During combustion of fossil fuels, oxygen reacts with nitrogen to produce nitrogen oxides—NO_X (NO, NO_2, NO_3, N_2O, N_2O_3, N_2O_4, and N_2O_5). NO_X is a precursor to ozone, PM_{10}, and $PM_{2.5}$ formation. NO_X can react with compounds to form nitric acid and related small particles and result in PM related health effects.	NO_X is produced in motor vehicle internal combustion engines and fossil fuel-fired electric utility and industrial boilers. Nitrogen dioxide forms quickly from NO_x emissions. NO_2 concentrations near major roads can be 30 to 100 percent higher than those at monitoring stations.
	Annual	0.030 ppm	0.053 ppm			

Table 1 (cont): Air Pollutants and Ambient Air Quality Standards

Air Pollutant	Averaging Time	California Standard	Federal Standard[a]	Most Relevant Effects from Pollutant Exposure	Properties	Sources
Sulfur dioxide[c] (SO_2)	1 Hour	0.25 ppm	0.075 ppm	Bronchoconstriction accompanied by symptoms which may include wheezing, shortness of breath and chest tightness, during exercise or physical activity in persons with asthma. Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient sulfur dioxide levels. It is not clear whether the two pollutants act synergistically or one pollutant alone is the predominant factor.	Sulfur dioxide is a colorless, pungent gas. At levels greater than 0.5 ppm, the gas has a strong odor, similar to rotten eggs. Sulfur oxides (SO_x) include sulfur dioxide and sulfur trioxide. Sulfuric acid is formed from sulfur dioxide, which can lead to acid deposition and can harm natural resources and materials. Although sulfur dioxide concentrations have been reduced to levels well below state and federal standards, further reductions are desirable because sulfur dioxide is a precursor to sulfate and PM_{10}.	Human caused sources include fossil-fuel combustion, mineral ore processing, and chemical manufacturing. Volcanic emissions are a natural source of sulfur dioxide. The gas can also be produced in the air by dimethylsulfide and hydrogen sulfide. Sulfur dioxide is removed from the air by dissolution in water, chemical reactions, and transfer to soils and ice caps. The sulfur dioxide levels in the State are well below the maximum standards.
	3 Hour	—	0.5 ppm			
	24 Hour	0.04 ppm	0.14 (for certain areas)			
	Annual	—	0.030 ppm (for certain areas)			
Particulate matter (PM_{10})	24 hour	50 µg/m^3	150 µg/m^3	• Short-term exposure (hours/days): irritation of the eyes, nose, throat; coughing; phlegm; chest tightness; shortness of breath; aggravate existing lung disease, causing asthma attacks and acute bronchitis; those with heart disease can suffer heart attacks and arrhythmias. • Long-term exposure: reduced lung function; chronic bronchitis; changes in lung morphology; death.	Suspended particulate matter is a mixture of small particles that consist of dry solid fragments, droplets of water, or solid cores with liquid coatings. The particles vary in shape, size, and composition. PM_{10} refers to particulate matter that is between 2.5 and 10 microns in diameter, (1 micron is one-millionth of a meter). $PM_{2.5}$ refers to particulate matter that is 2.5 microns or less in diameter, about one-	Stationary sources include fuel or wood combustion for electrical utilities, residential space heating, and industrial processes; construction and demolition; metals, minerals, and petrochemicals; wood products processing; mills and elevators used in agriculture; erosion from tilled lands; waste disposal, and recycling. Mobile or transportation related sources are from vehicle exhaust and road dust. Secondary particles
	Mean	20 µg/m^3	—			
Particulate matter ($PM_{2.5}$)	24 Hour	—	35 µg/m^3			
	Annual	12 µg/m^3	12 µg/m^3			
Visibility reducing particles	8 Hour	See note below [d]				

Table 1 (cont): Air Pollutants and Ambient Air Quality Standards

Air Pollutant	Averaging Time	California Standard	Federal Standard[a]	Most Relevant Effects from Pollutant Exposure	Properties	Sources
					thirtieth the size of the average human hair.	form from reactions in the atmosphere.
Sulfates	24 Hour	25 µg/m^3	—	(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.	The sulfate ion is a polyatomic anion with the empirical formula SO_4^{2-}. Sulfates occur in combination with metal and/or hydrogen ions. Many sulfates are soluble in water.	Sulfates are particulates formed through the photochemical oxidation of sulfur dioxide. In California, the main source of sulfur compounds is combustion of gasoline and diesel fuel.
Lead [e]	30-day	1.5 µg/m^3	—	Lead accumulates in bones, soft tissue, and blood and can affect the kidneys, liver, and nervous system. It can cause impairment of blood formation and nerve conduction, behavior disorders, mental retardation, neurological impairment, learning deficiencies, and low IQs.	Lead is a solid heavy metal that can exist in air pollution as an aerosol particle component. Leaded gasoline was used in motor vehicles until around 1970. Lead concentrations have not exceeded state or federal standards at any monitoring station since 1982.	Lead ore crushing, lead-ore smelting, and battery manufacturing are currently the largest sources of lead in the atmosphere in the United States. Other sources include dust from soils contaminated with lead-based paint, solid waste disposal, and crustal physical weathering.
	Quarter	—	1.5 µg/m^3			
	Rolling 3-month average	—	0.15 µg/m^3			
Vinyl chloride[e]	24 Hour	0.01 ppm	—	Short-term exposure to high levels of vinyl chloride in the air causes central nervous system effects, such as dizziness, drowsiness, and headaches. Epidemiological studies of occupationally exposed workers have linked vinyl chloride exposure to development of a rare cancer, liver	Vinyl chloride, or chloroethene, is a chlorinated hydrocarbon and a colorless gas with a mild, sweet odor. In 1990, ARB identified vinyl chloride as a toxic air contaminant and estimated a cancer unit risk factor.	Most vinyl chloride is used to make polyvinyl chloride plastic and vinyl products, including pipes, wire and cable coatings, and packaging materials. It can be formed when plastics containing these substances are left to decompose in solid waste landfills. Vinyl chloride has been

Table 1 (cont): Air Pollutants and Ambient Air Quality Standards

Air Pollutant	Averaging Time	California Standard	Federal Standard[a]	Most Relevant Effects from Pollutant Exposure	Properties	Sources
				angiosarcoma, and have suggested a relationship between exposure and lung and brain cancers.		detected near landfills, sewage plants, and hazardous waste sites.
Hydrogen sulfide	1 Hour	0.03 ppm	—	High levels of hydrogen sulfide can cause immediate respiratory arrest. It can irritate the eyes and respiratory tract and cause headache, nausea, vomiting, and cough. Long exposure can cause pulmonary edema.	Hydrogen sulfide (H_2S) is a flammable, colorless, poisonous gas that smells like rotten eggs.	Manure, storage tanks, ponds, anaerobic lagoons, and land application sites are the primary sources of hydrogen sulfide. Anthropogenic sources include the combustion of sulfur containing fuels (oil and coal).
Volatile organic compounds (VOC)		There are no State or federal standards for VOCs because they are not classified as criteria pollutants.		Although health-based standards have not been established for VOCs, health effects can occur from exposures to high concentrations because of interference with oxygen uptake. In general, concentrations of VOCs are suspected to cause eye, nose, and throat irritation; headaches; loss of coordination; nausea; and damage to the liver, the kidneys, and the central nervous system. Many VOCs have been classified as toxic air contaminants.	VOCs or volatile organic compounds, 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 VOCs and reactive organic gases (ROGs), 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_{10} and lower visibility.

Table 1 (cont): Air Pollutants and Ambient Air Quality Standards

Air Pollutant	Averaging Time	California Standard	Federal Standard[a]	Most Relevant Effects from Pollutant Exposure	Properties	Sources

Notes:
ppm = parts per million (concentration) µg/m^3 = micrograms per cubic meter Annual = Annual Arithmetic Mean 30-day = 30-day average Quarter = Calendar quarter

[a] Federal standard refers to the primary national ambient air quality standard, or the levels of air quality necessary, with an adequate margin of safety to protect the public health. All standards listed are primary standards except for 3 Hour SO_2, which is a secondary standard. A secondary standard is the level of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

[b] To attain the 1-hour nitrogen dioxide national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 parts per billion (0.100 ppm).

[c] On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

[d] Visibility reducing particles: In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

[e] The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

Source of Standards: ARB 2016a
Source of effects, properties, and sources: SCAQMD 2016; California Environmental Protection Agency 2002; ARB 2016a; EPA 2003, 2009, 2010a and 2010b, and 2011a, National Toxicology Program 2011

State of California Regulatory Programs

Diesel Risk Reduction Plan

In September 2000, the ARB adopted the Diesel Risk Reduction Plan (Diesel RRP or Plan), which recommends many control measures to reduce the risks associated with DPM and achieve a goal of 75 percent DPM reduction by 2010 and 85 percent by 2020 (ARB 2000). The Plan involves the implementation of:

- New regulatory standards for on-road, off-road, and stationary diesel-fueled engines and vehicles;
- New retrofit requirements for existing on-road, off-road, and stationary diesel-fueled engines and vehicles were determined to be technically feasible; and
- New Phase 2 diesel fuel regulations to reduce the sulfur content levels of diesel fuel to no more than 15 ppm to provide the quality of diesel fuel needed by the advanced diesel PM emission controls

The Plan set into motion a series of emission reduction regulations and control measures as discussed below.

Emission Reduction Funding

Carl Moyer Memorial Air Quality Standards Attainment Program. Since 1998, the Carl Moyer Memorial Air Quality Standards Attainment Program (Carl Moyer Program) has provided funding to encourage the voluntary purchase of cleaner engines, equipment, and emission reduction technologies. The Carl Moyer Program plays a complementary role to California's regulatory program by funding emission reductions that are surplus, i.e., early and/or in excess of what is required by regulation. The Carl Moyer Program accelerates the turnover of old highly polluting engines, speeds the commercialization of advanced emission controls, and reduces air pollution impacts on environmental justice communities. Emission reductions achieved through the Carl Moyer Program are an important component of the California SIP.

Regulations for Construction-Related Equipment

Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 horsepower and Greater. The purpose of this measure is to reduce DPM emissions from portable diesel-fueled engines with a horsepower of 50 or greater. Each fleet is required to comply with weighted reduced PM emission fleet averages by compliance dates listed in 17 California Code of Regulations Section 93116. Portable equipment includes but is not limited to, air compressors, generators, concrete pumps, tub grinders, wood chippers, water pumps, drill rigs, pile drivers, rock drills, abrasive blasters, aggregate screening and crushing plants, concrete batch plants, and welders.

ARB Regulation for In-Use Off-Road Diesel Vehicles (Off-Road Regulation), Title 13, Article 4.8, Chapter 9, Section 2449 in the California Code of Regulations. On July 26, 2007, the ARB adopted a regulation to reduce **PM** and NO_X emissions from in-use (existing) off-road heavy-duty diesel vehicles

in California. All self-propelled off-road diesel vehicles over 25 horsepower (hp) used in California and most two-engine vehicles (except on-road two-engine sweepers) are subject to this regulation. This includes vehicles rented or leased (rental or leased fleets). Such vehicles are used in construction, mining, and industrial operations. The Off-Road regulation:

- Imposes limits on idling (no more than five consecutive minutes) and requires a written idling policy;
- Requires a disclosure when selling vehicles;
- Requires all vehicles to be reported to ARB (using the Diesel Off-Road Online Reporting System [DOORS]) and labeled;
- Restricts adding older equipment into fleets; and
- Requires fleets to reduce their emissions by retiring, replacing, or repowering older engines, or installing Verified Diesel Emission Control Strategies (i.e., exhaust retrofits).

Regulations for Heavy-Duty Vehicles/Trucks

Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 horsepower and Greater. The purpose of this measure is to DPM emissions from portable diesel-fueled engines with a horsepower of 50 or greater. Each fleet is required to comply with weighted reduced PM emission fleet averages by compliance dates listed in 17 California Code of Regulations Section 93116. Portable equipment includes but is not limited to, air compressors, generators, concrete pumps, tub grinders, wood chippers, water pumps, drill rigs, pile drivers, rock drills, abrasive blasters, aggregate screening and crushing plants, concrete batch plants, and welders.

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- Restricts adding older equipment into fleets; and

- Requires fleets to reduce their emissions by retiring, replacing, or repowering older engines, or installing Verified Diesel Emission Control Strategies (i.e., exhaust retrofits).

Regulations for Heavy-Duty Vehicles/Trucks

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

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

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

all trucks that are not required under the Truck and Bus Regulation to be replaced by 2015, are required to be upgraded with a PM filter by that date.

2.1.3 - SCAQMD

Standard Conditions

During construction and operation, the project must comply with applicable SCAQMD rules and regulations. The following are rules and regulations 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 the application of standard Best Management Practices, such as the application of water or chemical stabilizers to disturbed soils, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 miles per hour (mph), 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 the control of fugitive dust with the 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_{10} 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 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.

This rule also requires activities defined as "large operations" to notify the SCAQMD by submitting specific forms. A large operation is defined as any active operation on property containing 50 or more acres of disturbed surface area; or any earth moving operation with a daily earth-moving or throughput volume of 3,850 cubic meters (5,000 cubic yards), three times during the most recent 365 day period.

SCAQMD Rule 481 applies to all spray painting and spray coating operations and equipment. This rule would apply to the application of architectural coatings to the exterior and interior or of the building walls. 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 SoCAB. 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_{10} among other pollutants.

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.

Air Quality Management Plans

The agency for air pollution control for the project site is the SCAQMD. The SCAQMD is responsible for controlling emissions primarily from stationary sources. The SCAQMD maintains air quality monitoring stations throughout the SoCAB and a portion of the Salton Sea Air Basin. The SCAQMD is also responsible for developing, updating, and implementing the Air Quality Management Plan (AQMP) for the region, in coordination with the Southern California Association of Governments (SCAG).

An AQMP is a plan prepared and implemented by an air pollution district for a county or region designated as nonattainment for the federal and/or California ambient air quality standards. The term nonattainment area refers to an air basin where one or more ambient air quality standards are exceeded.

2016 AQMP

On March 3, 2017, the SCAQMD adopted the 2016 AQMP, the current Plan for the SCAQMD. The 2016 AQMP address strategies and measures to attain the 2008 federal 8-hour ozone standard by 2032, the 2012 federal annual $PM_{2.5}$ standard by 2021 to 2025, and the 2006 federal 24-hour $PM_{2.5}$ standard by 2019. The 2016 AQMP also examined the regulatory requirements for attaining the 2015 federal 8-hour ozone standard. The 2016 AQMP also updates previous attainment plans for ozone and $PM_{2.5}$ that have not yet been met (SCAQMD 2016). In general, the AQMP is updated every 3 to 4 years.

However, the air quality planning process for the AQMP is continuous and each iteration is an update of the previous plan.

To ensure air quality goals will be met while minimizing impacts to the regional economy, the following policy objectives guided the development of the plan:

- Eliminate reliance on "black box" (future technologies) to the maximum extent possible by providing specific pathways to attainment with specific control measures.
- Calculate and take credit for co-benefits from other planning efforts (e.g., GHG reduction targets, energy efficiency, transportation, etc.).
- Develop a strategy with fair-share emission reductions at the federal, state, & local levels such as a new federal engine emission standards and/or additional authority provided to the state or SCAQMD for mobile sources.
- Seek significant funding for incentives to implement early deployment and commercialization of known zero and near-zero technologies.
- Invest in strategies and technologies meeting multiple objectives regarding air quality, climate change, air toxic exposure, energy, and transportation.
- Enhance the socioeconomic analysis and select the most efficient and cost-effective path to achieve multi-pollutant and multi-deadline targets.
- Prioritize non-regulatory, innovative and "win-win" approaches for emission reductions.

The 2016 AQMP also demonstrates attainment of the 2008 Ozone Standard in Coachella Valley by 2026. The Plan also demonstrates compliance with all applicable Federal Clean Air Act requirements pertaining to nonattainment areas pursuant to the EPA-approved Implementation Rules, such as the annual average and summer planning emission inventory for criteria and precursor pollutants, attainment demonstrations, reasonably available control measure (RACM) and reasonably available control technology (RACT) analyses, reasonable further progress, PM precursor requirements, vehicle miles traveled (VMT) demonstrations, and transportation conformity budgets for the SoCAB and Coachella Valley.

The proposed control measures in the 2016 AQMP are based on implementing all feasible control measures through the accelerated deployment of available cleaner technologies, best management practices, co-benefits from existing programs, and incentive measures. The 2016 AQMP control measures consist of three main components: (1) the SCAQMD's Stationary and Mobile Source Control Measures; (2) suggested State and Federal Source Control Measures; and (3) Regional Transportation Plan Transportation Control Measures provided by Southern California Association of Governments. These measures rely on not only the traditional command-and-control approach but also public

incentive programs, as well as advanced technologies expected to be developed and deployed in the next several years.

SCAQMD CEQA Guidance

The SCAQMD has two roles under CEQA:

1. Lead Agency: responsible for preparing environmental analyses for its own projects (adoption of rules, regulations, or plans) or permit projects filed with the SCAQMD where the SCAQMD has primary approval authority over the project.

2. Commenting Agency: the SCAQMD reviews and comments on air quality analyses prepared by other public agencies (such as the project).

The SCAQMD also provides guidance and thresholds for CEQA air quality and GHG analyses.

2.2 - Environmental Setting

The combination of topography, dominant airflows, atmospheric inversions, location, and season impact regional air quality of the South Coast Air Basin (SoCAB). To the west of the SoCAB is the Pacific Ocean and the Los Padres National Forest. To the north and east of the basin are the San Gabriel, San Bernardino, and San Jacinto mountains, while the southern limit of the SoCAB is the San Diego County line. The SoCAB consists of Orange County, all of Los Angeles County except for the Antelope Valley, and the non-desert portions of western San Bernardino County and Riverside County (see illustration below). The SCAQMD also has jurisdiction over the Riverside County portion of the Salton Sea Air Basin and Mojave Desert Air Basin; however, those basins are not within the SoCAB.

Temperature inversions limit the vertical depth of the atmosphere 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 often have periods of hazy visibility and occasionally unhealthful air over a large portion of the SoCAB, while air quality impacts in the winter tend to be localized. Higher temperatures and sunshine can contribute to air pollutant formation, particularly ozone. Impacts of ozone are discussed in the impact sections of this analysis. The annual average temperature varies little throughout much of the basin, ranging from the low to middle 60s to the upper 80s (degrees Fahrenheit). The majority of the annual rainfall in the area occurs between December and March.

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. 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 the 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 primary wind direction near the project site is from the west to the east. The wind rose for the Riverside Airport air monitoring station summarizes the wind patterns in the project area as shown in Exhibit 1.

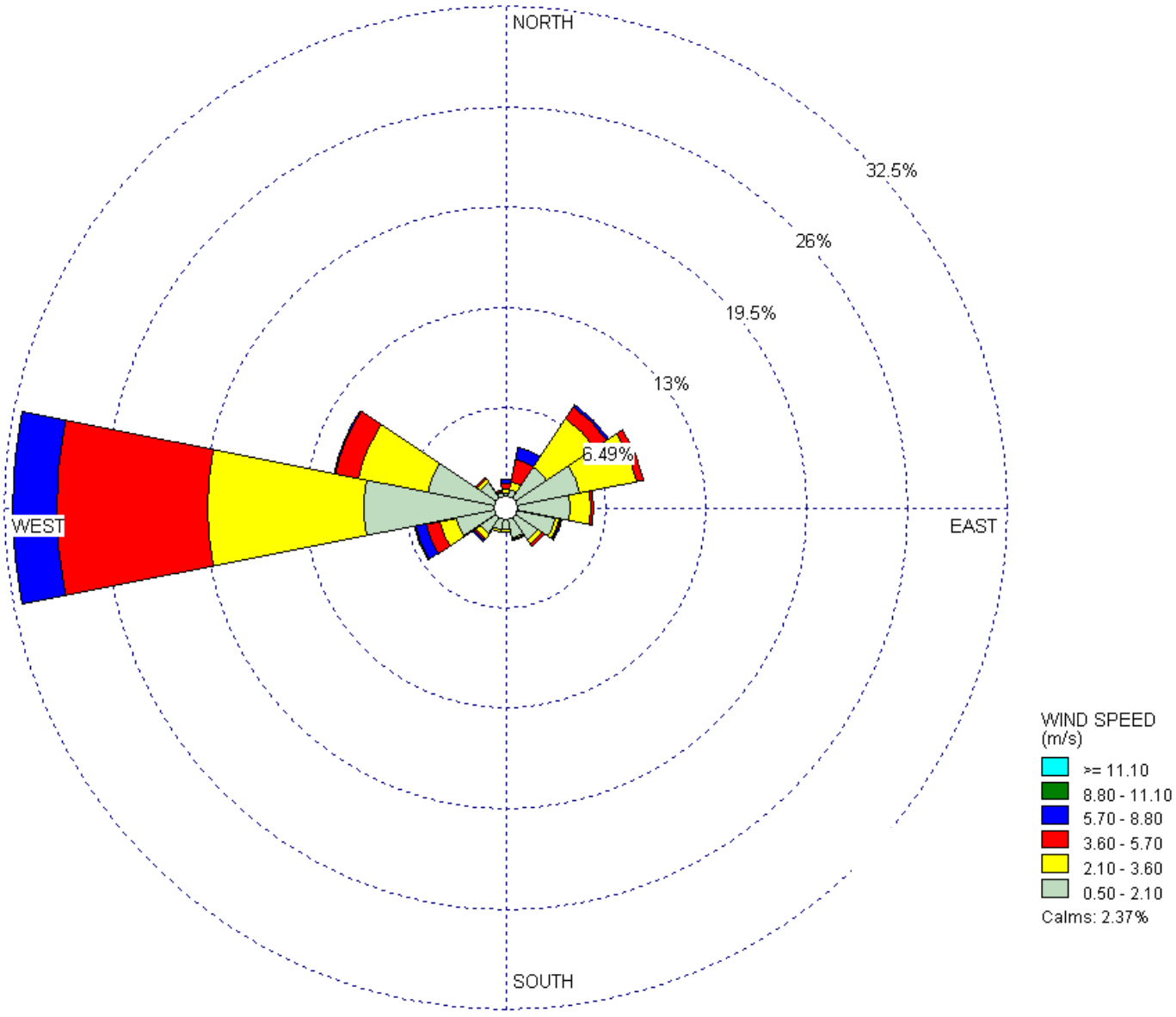
2.2.1 - Existing Air Quality

Existing levels of ambient air quality, historical trends, and future projections of air quality in the project area are best documented from measurements made near the project site. The SCAQMD maintains an extensive air-monitoring network that measures levels of several air pollutants throughout the SoCAB. The SCAQMD has subdivided the SoCAB into 36 Source-Receptor Areas (SRA) many containing one or more monitoring stations. A Source Receptor Area is a geographical area identified by the SCAQMD that is a source area in which contaminants are emitted or a receptor area in which the contaminants accumulate and are measured or both. Any of the areas can be a source area, a receptor area, or both a source and receptor area.

The project is located within SRA 34, Central San Bernardino Valley. The SCAQMD measures various air pollutants within SRA 34 at the SCAQMD's Fontana (Arrow Highway) air monitoring station located approximately 8.5 miles northwest of the project site. The pollutant levels from SRA 34 were used to comprise a "background" for the project site.

Table **2** summarizes the air monitoring data for SRA 34 covering the period 2015-2017, the most currently published 3-year monitoring period. The ambient air quality levels measured at this air monitoring station are considered representative of air quality at the project site.

The information in Table 2 indicates that the area where the project would be located currently violates the State or federal standards for ozone, PM_{10} and $PM_{2.5}$.



Percent of time wind blows FROM a Direction and Speed

Exhibit 3
Wind Rose Riverside Airport 2012-2016

Table 2: Project Air Quality Monitoring Summary

Air Pollutant, Averaging Time (Units)(*)	2015	2016	2017
Ozone			
Max 1 Hour (ppm) Days > CAAQS (0.09 ppm)	0.133 36	0.139 34	0.137 33
Max 8 Hour (ppm) Days > CAAQS (0.07 ppm) Days > NAAQS (0.07 ppm)	0.111 57 57	0.105 49 49	0.118 49 49
Carbon Monoxide			
Max 1 Hour (ppm) Days > CAAQS (20 ppm) Days > NAAQS (35 ppm)	2.8 0 0	2.2 0 0	ND ND ND
Max 8 Hour (ppm) Days > CAAQS (9.0 ppm) Days > NAAQS (9.0 ppm)	1.8 0 0	1.7 0 0	ND ND ND
Nitrogen Dioxide			
Annual Mean (ppm) Exceeds CAAQS (0.030 ppm) ? Exceeds NAAQS (0.053 ppm) ?	0.018 No Exceedance No Exceedance	0.018 No Exceedance No Exceedance	0.018 No Exceedance No Exceedance
Max 1 Hour (ppm) Days > CAAQS (0.18 ppm) Max 1-hour (98th %) (0.10ppm) Days> NAAQS (0.10 ppm)	0.089 0 0.069 0	0.072 0 0.057 0	0.069 0 0.058 0
Inhalable Particulate Matter (PM_{10})			
Annual Mean (µg/m^3) Exceeds CAAQS (20 µg/m^3)?	34.4 Exceeds Std	38.4 Exceeds Std	34.7 Exceeds Std
Max 24 Hour (µg/m^3) Days > CAAQS (50 µg/m^3) Days > NAAQS (150 µg/m^3)	96.0 13 0	94.0 ID 0	75.0 ID 0
Fine Particulate Matter ($PM_{2.5}$)			
Annual Mean (µg/m^3) Exceeds CAAQS (12 µg/m^3)? Exceeds NAAQS (15 µg/m^3)?	11.0 No Exceedance No Exceedance	12.3 Exceeds Standard No Exceedance	12.9 Exceeds Standard No Exceedance
Max 24 Hour (µg/m^3) Days > NAAQS (35 µg/m^3)	50.5 3	58.8 1	39.3 1

Table 2 (cont): Project Air Monitoring Summary

Abbreviations:
> = exceed ppm = parts per million µg/m^3 = micrograms per cubic meter
max = maximum std = ambient air quality standard ID = Insufficient Data ND=No data
CAAQS = California Ambient Air Quality Standard NAAQS = National Ambient Air Quality Standard
Source: SCAQMD Historical Data by Year, accessed on August 3, 2018.

Attainment Status

The United States Environmental Protection Agency (EPA) and the California Air Resources Board (ARB) designate air basins where ambient air quality standards are exceeded as "nonattainment" areas. If standards are met, the area is designated 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 marginal, moderate, serious, severe, or extreme as a function of level 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 $PM_{2.5}$ standard is met if the 3-year average of the annual average $PM_{2.5}$ concentration is less than or equal to the standard.

Table 3 shows the current attainment designations for the basin. As noted therein, the SoCAB is designated as nonattainment for the state and/or federal ozone, PM_{10}, and $PM_{2.5}$ standards. The Los Angeles County portion of the SoCAB is in nonattainment for lead; however, the project area is in attainment for lead.

Table 3: South Coast Air Basin Attainment Status

Pollutant	State Status	National Status
Ozone	Nonattainment	Nonattainment—Extreme
Carbon monoxide	Attainment	Unclassified/Attainment
Nitrogen dioxide	Attainment	Unclassified/Attainment
Sulfur dioxide	Attainment	Attainment
PM_{10}	Nonattainment	Attainment
$PM_{2.5}$	Nonattainment	Nonattainment
Lead	Attainment	Nonattainment (Los Angeles County Only)
Sulfates	Attainment	No national standard
Visibility Reducing Particles	Unclassified	No national standard
Hydrogen Sulfide	Unclassified	No national standard
Source of State Designation: ARB 2017a		

Odors

Odors can cause a variety of responses. The impact of an odor results from interacting factors, such as frequency (how often), intensity (strength), duration (in time), offensiveness (unpleasantness), location, and sensory perception.

Odor is typically a warning system that prevents animals and humans from consuming spoiled food or toxic materials. Odor-related symptoms reported in a number of studies include nervousness, headache, sleeplessness, fatigue, dizziness, nausea, loss of appetite, stomach ache, sinus congestion, eye irritation, nose irritation, runny nose, sore throat, cough, and asthma exacerbation.

The SCAQMD's role is to protect the public's health from air pollution by overseeing and enforcing regulations. The SCAQMD's resolution activity for odor compliance is mandated under California Health & Safety Code Section 41700, and falls under SCAQMD Rule 402. This rule on Public Nuisance Regulation 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 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. 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."

Asbestos

Asbestos is listed as a TAC by the ARB and as a Hazardous Air Pollutant by the EPA. Asbestos occurs naturally in surface deposits of several types of rock formations. Asbestos most commonly occurs in ultramafic rock that has undergone partial or complete alteration to serpentine rock (serpentinite) and often contains chrysotile asbestos. In addition, another form of asbestos, tremolite, can be found associated with ultramafic rock, particularly near faults. Crushing or breaking these rocks, through construction or other means, can release asbestos form fibers into the air. Asbestos emissions can result from the sale or use of asbestos-containing materials (ACM), 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. There are no known likely areas of naturally occurring asbestos in the project area (USGS 2011).

2.3 - Significance Thresholds

2.3.1 - CEQA Guidelines

The CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on air quality, the type, level, and impact of emissions generated by the project must be evaluated.

The following air quality significance thresholds are contained in Appendix G of the CEQA Guidelines. A significant impact would occur if the project would:

a) Conflict with or obstruct implementation of the applicable air quality plan;

b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation;

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

d) Expose sensitive receptors to substantial pollutant concentrations; or

e) Create objectionable odors affecting a substantial number of people.

2.3.2 - SCAQMD Significance Thresholds

While the final determination of whether a project is significant is within the purview of the Lead Agency pursuant to Section 15064(b) of the CEQA Guidelines, SCAQMD recommends that its quantitative air pollution thresholds be used to determine the significance of project emissions. If the Lead Agency finds that the project has the potential to exceed these air pollution thresholds, the project should be considered to have significant air quality impacts. This analysis, therefore, adopted the SCAQMD-recommended significance thresholds.

To address these CEQA thresholds, the guidelines and emissions thresholds established by the SCAQMD in its CEQA Air Quality Handbook (SCAQMD 1993) and subsequent additions to the Handbook were used in this analysis. The SCAQMD has identified two main types of air quality significance thresholds: regional emission thresholds and localized significance thresholds, each of which is described below.

Regional Thresholds

The regional thresholds are designed to assess an individual project's contribution to the overall emissions burden of the SoCAB. The SCAQMD has developed regional significance thresholds for regulated air pollutants as summarized in Table 4. Any project in the SoCAB with daily construction or operational emissions that exceed any of the indicated thresholds should be considered as having an individual and cumulatively significant air quality impact.

Table 4: SCAQMD Regional Daily Emission Thresholds

Pollutant	Construction	Operations
NOx	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM10	150 lbs/day	150 lbs/day
PM2.5	55 lbs/day	55 lbs/day
SOx	150 lbs/day	150 lbs/day

Table 4 (cont): SCAQMD Regional Emission Thresholds

Pollutant	Construction	Operations
CO	550 lbs/day	550 lbs/day
Lead	3 lbs/day	3 lbs/day
Source: SCAQMD 1993		

Localized Significance Thresholds

Whereas the regional estimation of emissions quantifies the project's emission burden throughout the region or air basin, the estimation of the project's local emissions focuses on the emissions that the project generates in the immediate or local area surrounding the project. 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 SoCAB.

The SCAQMD published its Final Localized Significance Threshold (LST) Methodology in June 2003, revised July 2008 and in 2009 as the Final Methodology to Calculate Particulate Matter PM_{10} and $PM_{2.5}$ Significance Thresholds (SCAQMD 2009). The SCAQMD recommends that all air quality analyses include a localized assessment of both construction and operational impacts on the air quality at nearby sensitive receptors. LSTs represent the maximum emissions from a project site that are not expected to result in an exceedance of NAAQS or CAAQS. LSTs are based on the ambient concentrations of NOx, CO, PM_{10}, and $PM_{2.5}$ pollutants within the source-receptor area (SRA) where a project is located, size of the project area, and the distance to the nearest sensitive receptor. The project site is located in SRA 34 (Central San Bernardino Valley).

Construction

Construction activities vary substantially from day to day depending on the specific construction activity and weather conditions. The SCAQMD's localized significance methodology requires the quantification of only on-site emissions. To facilitate the estimation of the local construction emission impacts, the SCAQMD has published mass emission rate lookup tables that can be applied to determine the appropriate LST. The mass emission look up tables provide levels of emissions below which the most stringent ambient air quality standard would not be exceeded. The SCAQMD mass rate emission tables were applied to determine the assessment of project's localized construction emissions. To apply the SCAQMD mass rate emission significance lookup tables, it is necessary to have three principal items of information: the geographical area where the project is located (SRA), the distance to nearest sensitive receptor, and the maximum area that would be disturbed in a single day during grading activities.

The SCAQMD has published a "Fact Sheet for Applying CalEEMod to Localized Significance Thresholds" (SCAQMD 2011). The CalEEMod model calculates construction emissions based on the number of equipment hours and the maximum daily disturbance activity possible for each piece of equipment. The maximum disturbed area during construction serves as a factor in determining the value of the localized

significance thresholds for construction. Table 5 shows the maximum daily disturbed acreage during grading activities based on the types and numbers of construction equipment. As shown in Table 5, the maximum daily disturbed area is 4 acres.

Table 5: Equipment Specific Grading Rates

Activity	Equipment Type	Equipment Quantity	Acres Graded per 8-hour Day	Operating Hours per Day	Acres Graded per Day
Grading	Crawler Tractor	2	0.5	8	1
	Excavator	2	0	8	0
	Grader	1	0.5	8	0.5
	Rubber Tired Dozer	1	0.5	8	0.5
	Scraper	2	1	8	2
					Total .....4 acres
Source: SCAQMD 2011 4					

The specification of LSTs are also dependent on the distance to the nearest sensitive receptor. Those individuals who are sensitive to air pollution include children, the elderly, and persons with preexisting respiratory or cardiovascular illness. The SCAQMD considers a sensitive receptor to be a location that houses or attracts children, the elderly, people with illnesses, or others who are especially sensitive to the effects of air pollutants and where an individual can remain for 24 hours. Examples of sensitive receptors include hospitals, residences, convalescent facilities, and schools. The nearest sensitive receptor is located at an existing residential home approximately 838 feet (255 meters) west of the project site near the intersection of Wilson Street and Brown Avenue. Other sensitive receptors in the project area that are located at greater distances than Wilson Street residence will experience lower air impacts than those presented in this report due to the added distance from the project's emission sources.

Since the SCAQMD mass-rate emission lookup tables are predefined for project construction areas of 2 acres and 5 acres and distances of 200 meters and 500 meters, the LSTs for this project were interpolated to arrive at LSTs for a 4 acre area and a distance to sensitive receptor of 240 meters. Table 6 provides the construction localized significance thresholds for the project in SRA 34 where the project is located.

Table 6: Construction Localized Significance Thresholds

NOx (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)
491	10,320	115	43
LSTs for SRA 34, project area of 4 acres and a receptor distance of 240 meters			

The project's onsite construction emissions generated by the CalEEMod model were compared to the thresholds identified in Table 6 to determine the localized significance of the project's construction emissions.

Operations

The applicable localized significance thresholds for the SCAQMD's mass-rate LST emission lookup tables for a five-acre project site are shown in Table 7 and represent a conservative estimate of LST impacts during operations because the operational area of the project is much greater than 5 acres and can accommodate a larger amount of emissions' compared to a 5-acre construction area.

Table 7: Operational Localized Significance Thresholds

NOx (lbs/day)	CO (lbs/day)	PM_{10} (lbs/day)	$PM_{2.5}$ (lbs/day)
526	11,149	30	12
LSTs for SRA 34, project area of 5 acres and a receptor distance of 240 meters			

2.4 - Project Air Quality Analysis Methodology and Assumptions

2.4.1 - Criteria Pollutant Emissions Model Selection – Regional Assessment

There are thousands of different air pollutants, defined as any gas or particle found in concentrations in excess of what is of natural origin. While some are relatively benign, others may be found in concentrations high enough to cause health or environmental impacts. Almost any gas or particle in high enough concentrations will cause some type of health response. Generally, air pollutants of most concern can be broken into two major categories: the criteria pollutants and regulated toxic air contaminants (TACs). Thus, this report developed impact assessments for both criteria pollutants and TACs (TACs are discussed in Section 3.0).

Criteria pollutants are those pollutants for which the EPA and ARB have set ambient air quality standards such as those shown in Table 1 above. The focus of the analysis of criteria pollutants included the following criteria pollutants:

- Carbon Monoxide (CO)
- Oxides of Nitrogen (NO_x)
- Particulates (PM_{10} and $PM_{2.5}$)

In addition, the SCAQMD has established a regional significance threshold for volatile organic compounds (VOC) because of its participation as a precursor in the formation of ozone. While there are other criteria pollutants such as sulfur dioxide and lead, the ambient levels of these other criteria pollutants are sufficiently low enough to be much lower than ambient air quality standards. Therefore, these other criteria pollutants were not evaluated in this assessment

The regional assessment of criteria pollutant emissions examines the amount of emissions from the construction and operation of a project that could add to the overall emission burden and impact the overall air quality of the SoCAB where the project is located.

Air pollutant emissions are estimated by using emission factors and a level of activity.

Emissions = Emission Factor x Activity Level

Emission factors represent the emission rate of a pollutant over a given time or activity; for example, grams of NO_X per vehicle mile traveled or grams of NO_X per horsepower hour of equipment operation. The ARB has published emission factors for on-road mobile vehicles/trucks in the ARB EMFAC mobile source emissions model and emission factors for off-road equipment and vehicles in the ARB OFFROAD emissions model. Activity levels are a measure of how active a piece of equipment is and can be represented as the amount of material processed, elapsed time that a piece of equipment is in operation, horsepower of a piece of equipment used, or VMT per day.

An air emissions model (or calculator) combines the emission factors and the levels of activity and outputs the emissions for the various pieces of equipment. The SCAQMD in cooperation with other air districts throughout the State developed the California Emissions Estimator Model (CalEEMod Version 2016.3.2). The CalEEMod model is designed as a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and greenhouse gas emissions associated with construction and operation from a variety of land uses.

Emission factors are often updated as new information becomes available and there is a normal lag time between the development of new emission factors and the integration of the new emissions factors into the appropriate models. The current version of the CalEEMod model uses the emission factors from the OFFROAD2011 (offroad equipment) and EMFAC2014 emission factors (mobile sources). An update to the CalEEMod model that incorporates the most current versions of the OFFROAD (Version 2017) and EMFAC (Version 2017) emission models is presently under development by the California Air Pollution Control Officers Association (CAPCOA) but was not available for inclusion into this assessment. .

Construction

Regional construction emissions result from on-site and off-site activities. On-site emissions principally consist of exhaust emissions from the activity levels of heavy-duty construction equipment, motor vehicle operation, and fugitive dust (mainly PM_{10}) from disturbed soil. Additionally, paving operations and application of architectural coatings release VOC emissions. Off-site emissions are caused by motor vehicle exhaust from delivery vehicles, worker traffic, and road dust (PM_{10} and $PM_{2.5}$).

Construction-related emissions are expected from the following project construction activities:

- Demolition
- Site Preparation

- Building Construction
- Paving
- Architectural Coating

Construction is expected to commence in January 2019 and will last through December 2019. The duration of the construction activity was estimated based on discussions with the client and an opening year of 2020. Table 8 shows the conceptual construction schedule for the project and as such represents a "worst case" analysis scenario. Note that the actual construction/operational schedule is conceptual in nature and may be affected by time involved in securing regulatory approvals and market demand. Assuming a later construction/operational schedule would likely result in lower emissions than generated by the conceptual schedule owing to the fact that equipment emissions (construction and mobile sources) are expected to decline from their 2019 levels in future years. The use of the 2019 schedule would, therefore, provide a conservative estimate of project construction emissions[2]. Table 9 provides the construction equipment inventory developed by the CalEEMod model for the project. The activity for construction equipment is based on the horsepower and load factors of the equipment. In general, the horsepower is the power of an engine—the greater the horsepower, the greater the power. The load factor is the average power of a given piece of equipment while in operation compared with its maximum rated horsepower. A load factor of 1.0 indicates that a piece of equipment continually operates at its maximum operating capacity. This analysis uses the CalEEMod model's default load factors for off-road equipment.

Construction emissions associated with off-site utility and infrastructure improvements may occur; however at this time, the extent of these activities are unknown and are not expected to exceed the emissions identified for the project-related construction activities. As such, no impacts beyond what has already been identified in this report ae expected to occur.

Table 8: Conceptual Construction Schedule

Phase	Start Date	End Date	Duration (working days)
Demolition	01/02/2019	01/15/2019	10
Site Preparation	01/16/2019	01/28/2019	10
Grading	01/29/2019	07/31/2019	132
Building Construction (*)	08/01/2019	11/01/2019	67
Paving	08/01/2019	11/01/2019	67
Architectural Coating	11/02/2019	12/19/2019	34

[2] As shown in the CalEEMod User's Guide, Table 3.4 "OFFROAD Equipment Emission Factors", as the analysis year increases, the emission factors for the same equipment decrease due to the natural turn-over of older equipment being replaced by newer, less polluting equipment and new regulatory requirements

Table 8 (cont): Conceptual Construction Schedule

(*) As the project is a large parking area, there will not be any actual construction of a physical building; the building construction phase has been included to account for the vendor transportation of asphaltic concrete to the project site for the parking/storage lot construction

Source: see Appendix A.

Table 9: Construction Equipment

Activity	Equipment	Number	Hours per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	1	8	81	0.73
	Excavators	3	8	158	0.38
	Rubber Tired Dozers	2	8	247	0.40
Site Preparation	Crawler Tractors	4	8	212	0.43
	Rubber Tired Dozers	3	8	257	0.40
Grading	Crawler Tractors	2	8	212	0.43
	Excavators	2	8	158	0.38
	Graders	1	8	187	0.41
	Rubber Tired Dozers	1	8	257	0.40
	Scrapers	2	8	367	0.48
Paving	Pavers	2	8	130	0.42
	Rollers	2	8	80	0.38
	Paving Equipment	2	8	132	0.36
Architectural Coating	Air Compressors	1	8	78	0.48

Building construction is mot shown as it serves as a place holder for the transport of paving materials
Source: Construction equipment inventory derived from the CalEEMod model; see Appendix A

Equipment Tiers and Emission Factors

Equipment tiers refer to a generation of emission standards established by the EPA and ARB that apply to diesel engines in off-road equipment. The "tier" of an engine depends on the model year and horsepower rating; generally, the newer a piece of equipment is, the greater the tier it is likely to have. Excluding engines greater than 750 horsepower, Tier 1 engines were manufactured generally between 1996 and 2003. Tier 2 engines were manufactured between 2001 and 2007. Tier 3 engines were manufactured between 2006 and 2011. Tier 4 engines are the newest and some incorporate hybrid electric technology; they were manufactured after 2007.

The CalEEMod model contains an inventory of construction equipment that incorporates estimates of the number of equipment, their age, their horsepower, and equipment tier from which rates of emissions are developed. The CalEEMod model default tier mix was used in this analysis for the estimation of emissions from on-site construction equipment for the unmitigated scenario.

The CalEEMod model's off-road emission factors are based on the equipment populations from the OFFROAD2011 model. Emission factors for the construction year 2019 were used to estimate the project's construction emissions.

Demolition, Site Preparation, and Grading

The project site requires the demolition of 85,500 square feet of existing building debris that will be hauled and processed off site. The project will also require approximately 298,000 cubic yards of soil import during grading activities to grade the full nearly 65 acres of the project site. The project site will be graded and paved for use as an expanded parking/storage lot. The CalEEMod model was used to calculate the onsite and offsite emissions associated with the demolition and grading activities. The project will be graded, filled and paved in one single phase.

Building Construction

The construction of the project will not involve the building of a physical structure However, this construction activity has been included to account for the vendor trips involving the materials that will be used to pave the parking/storage lot.

Paving

The project will pave approximately 31 acres (approximately 48%) of the site for use as a trailer storage and overflow employee parking lot. Parking spaces would be provided as follows: 389 auto parking stalls, 616 long haul tractor spaces, 372 single pup parking spaces, and 184 long trailer parking spaces will be provided.

Architectural Coatings (Painting)

Paints release VOC emissions during application and drying associated with the striping of the parking spaces. .

Construction Offsite Vehicle Trips

CalEEMod has three categories of on-road trips: worker trips, hauling trips, and vendor trips. Hauling trips would include soil hauling. Vendor trips are materials delivery, including paving material delivery. The following data and assumptions were used for on-road trips.

Worker Trips: Worker trips are accounted for, based on 1.25 trips per piece of equipment (the CalEEMod default). The CalEEMod default worker trip length of 14.7 miles was used for employee trips.

Hauling Trips: The CalEEMod model default hauling emissions were based on the amount of soil to be imported/exported, trip length of 3 miles, and truck capacity of 16 cubic yards. The hauling trips include those trips required for soil import.

Vendor Trips: Building construction would require delivery of materials. The CalEEMod model defaults for vendor trips were utilized including a trip distance of 6.9 miles.

The estimated numbers of offsite construction vehicle trips is provided in Table 10. Note that the total number of off-site construction trips would not necessarily occur on the same day, since construction activities would vary each day.

Table 10: Construction Off-site Trips

Activity	Construction Trips per Day		Total Trips
	Worker	Vendor	Haul
Demolition	15	0	1,039
Site Preparation	18	0	0
Grading	20	0	37,250
Building Construction	0	313	0
Paving	15	0	0
Architectural Coatings	10	0	0
Source: CalEEMod; see Appendix A			

Fugitive Dust

During grading activities, the movement of dirt on the project site can generate fugitive dust. The CalEEMod model estimates dust from dozers moving dirt around, dust from graders or scrapers leveling the land, and loading or unloading dirt into haul trucks. The CalEEMod model calculates the emissions for each construction activity differently based on the number of acres traversed by the construction equipment and the type and number of construction equipment used in the activity.

SCAQMD Rule 403 requires fugitive dust generating activities follow best available control measures to reduce emissions of fugitive dust. The purpose of Rule 403 is to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (man-made) fugitive dust sources. Rule 403 requires implementation of control measures to prevent, reduce, or mitigate fugitive dust emissions and includes a performance standard that prohibits visible emissions from crossing any property line. These measures are accounted for in the CalEEMod model as “mitigation” because the model categorizes the measures as “mitigation,” even though they are technically not mitigation but are requirements necessary to meet Rule 403. Table 11 displays the best available control measures and the associated measure in the CalEEMod model.

In addition, because the grading of the site may exceed 50 acres or 5,000 cubic yards of daily earth movement, the project may be required to notify the SCAQMD of the project location and implement additional mitigation measures as a “large operation”.

Table 11: Best Available Control Measures for Fugitive Dust

Best Available Control Measure[1]	Associated Measure in CalEEMod[2]
Clearing and Grubbing	
02-1 Maintain stability of soil through pre-watering of site prior to clearing and grubbing. 02-2 Stabilize soil during clearing and grubbing activities. 02-3 Stabilize soil immediately after clearing and grubbing activities.	Water exposed surfaces three times per day Soil stabilizers for unpaved roads
Earth Moving Activities	
08-1 Pre-apply water to depth of proposed cuts 08-2 Re-apply water as necessary to maintain soils in a damp condition and to ensure that visible emissions do not exceed 100 feet in any direction 08-3 Stabilize soils once earth-moving activities are complete	Pre-water to 12%
Import/Export of Bulk Materials	
09-1 Stabilize material while loading to reduce fugitive dust emissions. 09-2 Maintain at least six inches of freeboard on haul vehicles.	Water exposed surfaces three times per day
09-3 Stabilize material while transporting to reduce fugitive dust emissions. 09-4 Stabilize material while unloading to reduce fugitive dust emissions. 09-5 Comply with Vehicle Code Section 23114.	Water exposed surfaces three times per day
Landscaping	
10-1Stabilize soils, materials, slopes Guidance: Apply water to materials to stabilize; maintain materials in a crusted condition; maintain effective cover over materials; stabilize sloping surfaces using soil until vegetation or ground cover can effectively stabilize the slopes; hydroseed prior to rain season.	Replace ground cover in disturbed areas when unused for more than 10 days
Staging Areas	
13-1 Stabilize staging areas during use by limiting vehicle speeds to 15 miles per hour.	Reduce speed on unpaved roads to 15 miles per hour.
Traffic Areas for Construction Activities	
15-1 Stabilize all off-road traffic and parking areas. 15-2 Stabilize all haul routes. 15-3 Direct construction traffic over established haul routes. Guidance: Apply gravel/paving to all haul routes as soon as possible to all future roadway areas; barriers can be used to ensure vehicles are only used on established parking areas/haul routes.	Water exposed surfaces three times per day
Sources: 1 SCAQMD Rule 403. 2 CalEEMod output in Appendix B.	

Operations

Operational emissions occur once the project commences operations. The principal regional operational emission source consist of the truck shuttles and worker vehicles to and from the project site to the main FedEx facility hubs. Small amounts of VOC emissions would occur associated with the periodic repainting of the parking spaces. The project's operational emissions were estimated using the CalEEMod emission model

Mobile Sources

The potential trip generation of the project has been evaluated based on the proposed operation of the site and is shown in Table 12. In estimating the mobile source emissions from the operation of the project, its was assumed that the worker vehicles would be comprised of a combination of light duty automobiles, and light and medium duty trucks. The tractor shuttles were assumed to be heavy-heavy duty diesel trucks. The trip length for all vehicles was assumed to be 2.1 miles, the one-way distance from the main FedEx facility to the project.

Table 12: Number of Project Operational Motor Vehicle Trips

Motor Vehicle	Number of Vehicle Trips		
	Daily	AM Peak	PM Peak
Tractor Shuttles (HHDT)	432	18	18
Worker Vehicles (LDA, LDT, MDV)	432	18	18
Total	864	36	36

HHDT = heavy-heavy duty trucks LDA = light duty automobiles
LDT = light duty trucks MDV = medium duty vehicles
Source: E|P|D Solutions, Inc. January 9, 2019

Architectural Coating

Paints release VOC emissions. The project's parking spaces would be repainted on occasion. The CalEEMod model default assumptions for architectural coatings were assumed in the emission estimation.

Emissions from the Operation of the Existing Land Use

As noted earlier, Milestone MX Park, an offroad racing facility currently occupies the project site. Emissions from the operation of the Park derive from two principal sources:

- External sources consisting of emissions from the traffic that visits the Park each day
- Internal sources consisting of emissions from the competitors during practice and competition sessions

With regard to the external sources, an estimate of the number of vehicles coming to the Park was made on November 27, 2018. Table 13 summarizes the existing daily and peak hour trips at the Park as determined on the measurement day. The emissions from this source were applied in estimating the net emissions from the project. It should be noted that the vehicle trips measured on November 27, 2018 likely underestimate the actual maximum daily trips for the following reasons:

- The measurement was made on a weekday during the colder half of the year; actual trips would be expected to be higher during a summer and during a weekend when participation would be greater than during the winter weekday

- There is no accounting of the trips generated during special competitions that would attract a greater number of spectators and competitors than during a weekday

Table 13: Number of Existing Operational Motor Vehicle Trips

Motor Vehicle	Number of Vehicle Trips		
	Daily	AM Peak	PM Peak
Existing Traffic	256	17	7
Source: E|P|D Solutions, Inc. December 13, 2018			

The estimation of the internal sources of operational emissions is highly dependent on the types and numbers of off-road vehicles, their average speed, time on the track, and type of event (typical practice day or special competition event day). It is beyond the scope of this assessment to quantify the internal sources of emissions. Thus, inclusion of the emissions from the existing facility will be based on the trip generation shown in Table 13.

2.4.2 - Criteria Pollutant Emissions Model Assumptions – Local Assessment

The basic assumptions used in estimating the project's local construction and operational emissions are the same as those used in estimating the project's regional emissions with one exception. In keeping with the guidance from the SCAQMD on localized assessments, only those emissions generated while on the project site are included in the localized assessment. This would include onsite construction equipment, architectural coating, and motor vehicle travel while onsite.

2.5 - Air Quality Impact Analysis

This section calculates the expected local emissions from construction and operation of the project and compares the resulting air quality impacts to established significance thresholds within the context of the CEQA Appendix G Checklist.

2.5.1 - Consistency with the Air Quality Management Plan

Impact AIR-1:	**The project would not conflict with or obstruct implementation of the applicable air quality plan.**

Impact Analysis

According to the 1993 SCAQMD Handbook, there are two key indicators of consistency with the AQMP:

1. **Indicator:** Whether the project will not 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.

Construction Impacts

As shown in the discussion of Impact AIR-2 and AIR-3, the project's construction emissions would not exceed any of the applicable SCAQMD localized or regional construction significance thresholds after application of mitigation. Therefore, the project's construction emissions would have a less than significant impact and would not conflict with the AQMP according to this indicator.

Operational Impacts

As shown in the discussion of Impact AIR-2 and AIR-3, the project's operational emissions would not exceed any of the SCAQMD regional or localized significance thresholds. Therefore, the project's operational emissions would have a less than significant impact and would not conflict with the AQMP according to this indicator.

2. **Indicator:** Whether the project would exceed the assumptions in the AQMP or increments based on the years of project buildout.

The development of emission burdens used in AQMPs to demonstrate compliance with ambient air quality standards is based, in part, on land use patterns contained within local general plans. Therefore, it is reasonable to conclude that if a project is consistent with the applicable general plan land use designation, and if the general plan was adopted prior to the applicable AQMP, then the growth of vehicle miles traveled (VMT) and/or population generated by said project would be consistent with the growth in VMT and population assumed within the AQMP. Development consistent with the growth projections in the County of San Bernardino General Plan Update is consistent with the AQMP.

The County of San Bernardino's zoning designation for the project site is Agua Mansa Industrial Corridor Specific Plan – Open Space Agriculture. The project is proposed to consist of a 65 acre land use for vehicle parking and storage. As such, the Project's land uses and development would require a general plan amendment and zone change under the County's adopted zoning and land use designations.

However, notwithstanding the need to secure a general plan amendment and zone change, the project is not expected to conflict with an applicable air plan since, as noted in the discussion of Impacts AIR-

2, AIR-3, and AIR-4, the project would not exceed any of the regulatory thresholds after application of mitigation. Therefore, the project meets this indicator.

Summary

In summary, the project would comply with all applicable rules and regulations. The project would not result in an exceedance of the SCAQMD regional or local air significance thresholds during construction or operation after application of mitigation. The project would, therefore, not conflict with or obstruct implementation of the applicable air quality plan resulting in a less than significant impact.

Level of Significance Before Mitigation

Potentially significant impact

Mitigation Measures

Implement MM AIR-1.

With the application of Mitigation Measure AIR-1, the regional construction emissions will be reduced to 89 pounds per day, less than the SCAQMD regional construction significance threshold of 100 pounds/day.

Level of Significance After Mitigation

Less than significant impact.

2.5.2 - Potential for Air Quality Standard Violation

Impact AIR-2:	**The project would not violate any air quality standard or contribute substantially to an existing or projected air quality violation.**

Impact Analysis

The following criterion was used to assess the significance of this impact: the localized construction and operational impact analysis. The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (Methodology). The SCAQMD has established that impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the federal and/or state ambient air quality standards (NAAQS/CAAQS). Collectively, these are referred to as localized significance thresholds (LSTs). The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses.

The project is located in SRA 34 (Central San Bernardino County) and the LSTs appropriate to SRA 34 were selected. LSTs apply to CO, NO_2, particulate matter ≤ 10 microns (PM_{10}) in diameter, and particulate matter ≤ 2.5 microns ($PM_{2.5}$) in diameter.

Localized Construction Analysis

According to the SCAQMD LST methodology, if, during construction, the total acreage disturbed is less than or equal to 5 acres per day, then the SCAQMD's screening look-up tables can be utilized to determine if a project has the potential to result in a significant impact. The look-up tables establish a maximum daily emissions threshold in pounds per day that can be compared with the CalEEMod model outputs.

SCAQMD's LST methodology clearly states that "off-site mobile emissions from the project should not be included in the emissions compared to LSTs." Therefore, for purposes of the construction LST analysis only emissions included in the CalEEMod "on-site" emissions outputs were considered.

As previously noted in Table 6 above, the maximum daily disturbed project area for use in determining the applicability of the SCAQMD's LST look-up tables was 4.0 acres per day. Table 14 presents a comparison of the construction emission significance thresholds with the estimated maximum daily on-site construction emissions for a 4.0-acre disturbed construction area. The emissions are estimated at the nearest sensitive receptor, which is located at an existing residence approximately 838 feet (255 meters) west of the project site on Wilson Street in the Agua Mansa Specific Plan area, City of Rialto Sphere of Influence. Note that all projects are required to implement the dust mitigation measures found within SCAQMD Rule 403 in order to minimize the amount of fugitive dust generation during construction activities. While these measures are applied in CalEEMod under the mitigation section, compliance with Rule 403 is a mandatory requirement for projects within the SCAQMD. As noted from Table 14, after implementing measures from Rule 403, the project's construction emissions would not exceed SCAQMD construction LST thresholds and, thus, would result in a less than local significant impact.

Table 14: Comparison of Construction LSTs and Project On-site Construction Emissions—Without Mitigation

Activity	On-site Emissions (pounds per day)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Demolition	35.8	22.1	5.1	2.2
Site Preparation	68.2	23.2	10.0	6.6
Grading	65.8	33.9	6.0	3.9
Building Construction	0.0	0.0	0.0	0.0
Paving	15.2	14.7	0.8	0.8
Architectural Coatings	1.8	1.8	0.1	0.1
Maximum Daily Emissions[(1)]	68.2	33.9	10.0	6.6
Localized Significance Threshold[(1)]	491	10,320	115	43
Exceed Threshold?	No	No	No	No

Table 14 (cont): Comparison of Construction LSTs and Project On-site Construction Emissions—Without Mitigation

Notes:
NO_X = nitrogen oxides CO = carbon monoxide PM_{10} and $PM_{2.5}$ = particulate matter
(1) The localized significance thresholds were interpolated between 2- and 5-acre LSTs for the actual maximum daily acres to be disturbed (i.e., 4.0 acres of the project site) in Source-Receptor Area 34 and a distance of 240 meters.
Source of emissions: see Appendix A.
Assumes compliance with SCAQMD Rule 403—Fugitive Dust.
Source of thresholds: SCAQMD 2009

Localized Operational Analysis

The methodology for performing the LST analysis includes only on-site emissions. However, the CalEEMod emission model does not output separate on-site and off-site emissions from mobile sources. Table 15 summarizes the results of the project's operational LST analysis. It should be noted that the emission estimates shown in Table 15 include all stationary onsite sources (ie., area and energy) and 6 percent of project-related mobile source emissions. The value of 6 percent represents the ratio of the local onsite travel distance from the project entrance to the middle of the parking area (244 meters or 0.14 miles) and the distance from the project to the main FedEx building (2.1 miles). As shown therein, the project would not exceed any of the SCAQMD's operational LST.

Table 15: Summary of the Project's Operational LST Analysis

Emission Source	Onsite Emissions (pounds/day)			
	NOx	CO	PM_{10}	$PM_{2.5}$
Mobile	3.3	0.6	0.1	0.0
Area	0.0	0.0	0.0	0.0
Energy	0.0	0.0	0.0	0.0
Total	3.3	0.6	0.1	0.0
SCAQMD Significance Threshold	526	11,149	30	12
Significant Impact?	No	No	No	No

Notes:
NO_X = nitrogen oxides CO = carbon monoxide
PM_{10} and $PM_{2.5}$ = particulate matter, particles with a diameter of 10 and 2.5 microns in diameter, respectively
Source of emissions: see Appendix A.
Source of thresholds: SCAQMD 2009

Summary

The construction and operation of the project would not exceed any SCAQMD local significance thresholds. Therefore, the project would not violate any air quality standard or contribute substantially to an existing or projected air quality violation.

Level of Significance Before Mitigation

Less than significant impact.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Less than significant impact.

2.5.3 - Cumulative Impacts

Impact AIR-3:	**The project would not 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).**

Impact Analysis

The 2016 AQMP described and evaluated regional/area-wide air quality conditions within the SoCAB and set regional emission significance thresholds for both construction and operation of development projects. The SCAQMD recommends that a project's potential contribution to cumulative impacts should be assessed using the same significance criteria as those for project-specific impacts. This means that if a project exceeds the SCAQMD recommended daily regional emission thresholds, then the project-specific impacts would also result in a cumulatively considerable increase in emissions for those pollutants for which the SoCAB is in nonattainment. Therefore, the SCAQMD daily regional emission thresholds are utilized in this cumulative discussion.

Regional emissions include those generated from all on-site and off-site activities. Regional significance thresholds have been established by the SCAQMD, because emissions from projects in the area can potentially contribute to the existing emission burden and possibly affect the attainment and maintenance of ambient air quality standards. SCAQMD's regional significance thresholds for project construction and operation were provided earlier in Table 4 above.

The nonattainment regional pollutants of concern for the SoCAB are ozone, PM_{10}, and $PM_{2.5}$. Ozone is not emitted directly into the air but is a regional pollutant formed by photochemical reactions in the atmosphere. Ozone precursors, ROG and NO_X, react in the atmosphere in the presence of sunlight to form ozone. The SCAQMD does not have a recommended ozone threshold, but it does have

thresholds of significance for ozone precursors ROG[3] and NO_X. This impact section includes analysis of, and significance determinations for these regional pollutants.

If an area is in nonattainment for a criteria pollutant, then the background concentration of that pollutant has historically exceeded the ambient air quality standard. It follows that if a project exceeds the regional threshold for that nonattainment pollutant, then it would result in a cumulatively considerable net increase of that pollutant and result in a significant cumulative impact.

The project area is in nonattainment for ozone, PM_{10}, and $PM_{2.5}$. Therefore, if the project exceeds the regional thresholds for $PM_{2.5}$ or PM_{10}, then it contributes to a cumulatively considerable impact for those pollutants. Further, if the project exceeds the regional threshold for NO_X or ROG, then it follows that the project would contribute to a cumulatively considerable impact for ozone. Finally, if the project exceeds the NO_X threshold or CO, it could contribute cumulatively to NO_2 and CO concentrations.

Cumulative Impact Analysis—Construction Regional Emissions

Table 17 summarizes construction-related regional emissions (without mitigation). The information shown in Table 17 indicates that the project's regional construction NOx emissions (an ozone precursor) would exceed the SCAQMD regional construction NOX significance threshold due principally to the number of haul trucks required to import soil to the project during grading activities. Therefore, the regional short-term construction emissions prior to mitigation are considered to have a significant cumulative regional impact.

Table 16: Regional Construction Air Pollutant Emissions by Activity—Without Mitigation

Activity	Emissions (pounds per day)					
	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Demolition	4.3	63.3	26.8	0.0	7.2	2.6
Site Preparation	5.8	68.3	23.2	0.1	10.1	6.7
Grading	7.5	**140.5**	45.7	0.4	11.4	5.6
Building Construction	1.1	36.0	7.3	0.1	2.2	0.8
Paving	3.3	15.3	15.4	0.0	1.0	0.8
Architectural Coatings	23.5	1.8	2.3	0.0	0.2	0.1
Maximum Daily Emissions	23.5	**140.5**	45.7	0.4	11.4	6.7
Significance Threshold	75	100	550	150	150	55
Significant Impact?	No	**Yes**	No	No	No	No

[3] Note that the terms VOC for volatile organic compounds and ROG for reactive organic gases are used interchangeabiy

Table 16 (cont): Regional Construction Air Pollutant Emissions by Activity—Without Mitigation

Notes:
NO_X = nitrogen oxides CO = carbon monoxide PM_{10} and $PM_{2.5}$ = particulate matter
ROG = reactive organic gases SOx = sulfur oxides
Source of emissions: CalEEMod (see Appendix A)
Source of thresholds: SCAQMD 1993

Cumulative Impact Analysis—Operational Regional Emissions

Table 17 and Table 18 provide the maximum daily operational emissions from emission sources generated both on-site and off-site as derived from the CalEEMod model for summer and winter seasons, respectively. As shown therein, the project would not exceed the SCAQMD's regional thresholds for any pollutant during operation of the project and would, therefore, result in a less than significant regional cumulative impact.

Table 17: Operational Regional Pollutants (Summer Season)

Operational Year	Emissions (pounds per day)					
	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Mobile	1.7	54.4	9.5	0.0	1.5	0.4
Area	0.2	0.0	0.0	0.0	0.0	0.0
Energy	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.9	54.4	9.5	0.0	1.5	0.4
SCAQMD Significance Threshold	55	55	550	150	150	55
Significant Impact?	No	No	No	No	No	No

Notes:
ROG=reactive organic gases NO_X = nitrogen oxides CO = carbon monoxide
SO_X = sulfur oxides PM_{10} and $PM_{2.5}$ = particulate matter
Source of emissions: CalEEMod 2016 (see Appendix A).
Source of thresholds: SCAQMD 1993

Table 18: Operational Regional Pollutants (Winter Season)

Operational Source	Emissions (pounds per day)					
	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Mobile	1.8	52.6	11.6	0.0	1.5	0.5
Area	0.2	0.0	0.0	0.0	0.0	0.0
Energy	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.0	52.6	11.6	0.0	1.5	0.5
SCAQMD Significance Threshold	55	55	550	150	150	55
Significant Impact?	No	No	No	No	No	No

Notes:
ROG = reactive organic gases NO_X = nitrogen oxides CO = carbon monoxide
SO_X = sulfur oxides PM_{10} and $PM_{2.5}$ = particulate matter
Source of emissions: CalEEMod (see Appendix A).
Source of thresholds: SCAQMD 1993

Level of Significance Before Mitigation

Potentially significant impact.

Mitigation Measures

Application of Mitigation Measure MM AIR-1 is required to reduce the regional construction NO_x emissions during construction to less than significant levels. After application of Mitigation Measure MM IR-1, the project's regional construction emissions would be reduced to 89.0 pounds per day, less than the SCAQMD NOx regional construction significance threshold of 100 pounds per day.

Level of Significance After Mitigation

Less than significant impact.

2.5.1 - Sensitive Receptors

Impact AIR-4: **The project would not expose sensitive receptors to substantial pollutant concentrations.**

Impact Analysis

Those individuals 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 (SCAQMD 2009). Commercial and industrial facilities are not included in the definition because employees do not typically remain on-site for 24 hours. However, when assessing the impact of pollutants with 1-hour or 8-hour standards (such as NO_2 and CO), commercial and/or industrial facilities would be considered sensitive receptors for those

purposes. The closest sensitive receptor is located at an existing residence 255 meters west of the project site on Wilson Street.

Localized Significance Threshold Analysis—Criteria Pollutants

As identified in Impact AIR-2, the localized construction and operational analysis demonstrated that the project would not exceed the localized thresholds for CO, NO_2, PM_{10}, or $PM_{2.5}$. Therefore, during construction and operation, the project would not expose local sensitive receptors to substantial pollutant concentrations of CO, NO_2, PM_{10}, or $PM_{2.5}$.

Summary

The construction and operation of the project would not exceed any SCAQMD project-level localized air quality significance threshold.

Level of Significance Before Mitigation

Less than significant impact.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Less than significant impact.

2.5.1 - Odors

Impact AIR-5:	**The project would not create objectionable odors affecting a substantial number of people.**

Impact Analysis

Background Information

Odors can cause a variety of responses. The impact of an odor results from interacting factors such as frequency (how often), intensity (strength), duration (in time), offensiveness (unpleasantness), location, and sensory perception.

Odor is typically a warning system that prevents animals and humans from consuming spoiled food or toxic materials. Odor-related symptoms reported in a number of studies include nervousness, headache, sleeplessness, fatigue, dizziness, nausea, loss of appetite, stomach ache, sinus congestion, eye irritation, nose irritation, runny nose, sore throat, cough, and asthma exacerbation (SCAQMD 2007b).

The SCAQMD's role is to protect the public's health from air pollution by overseeing and enforcing regulations. The SCAQMD's resolution activity for odor compliance is mandated under California Health & Safety Code Section 41700, and falls under SCAQMD Rule 402. This rule on Public Nuisance

Regulation 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 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. 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."

The SCAQMD indicates that the number of overall complaints has declined over the last 5 years. Over the last 4 years, odor complaints make up 50 to 55 percent of the total nuisance complaints. Over the past decade, odors from paint and coating operations have decreased from 27 to 7 percent and odors from refuse collection stations have increased from 9 to 34 percent (SCAQMD 2007b).

Project Analysis

The SCAQMD recommends that odor impacts be addressed in a qualitative manner. Such an analysis shall determine whether the project would result in excessive nuisance odors, as defined under the California Code of Regulations and Section 41700 of the California Health and Safety Code, and thus would constitute a public nuisance related to air quality.

Land uses typically considered associated with odors include wastewater treatment facilities, waste-disposal facilities, or agricultural operations. The project does not contain land uses typically associated with emitting objectionable odors. The project would involve the use of diesel construction equipment and diesel trucks during construction. However, the project area has a predominance of industrial land uses and emissions from trucks are common throughout the project vicinity. In addition, project-generated emissions would occur intermittently as trucks come and go, and on-site emissions would be limited by the ARB's ATCM to Limit Diesel-Fueled Commercial Motor Vehicle Idling. Furthermore, DPM would rapidly disperse in the atmosphere and the intermittent and dispersed truck trip emissions are not anticipated to be noticeable to the nearby public. Therefore, the project would not generate a significant odor impact during construction or operation.

Level of Significance Before Mitigation

Less than significant impact.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Less than significant impact.

SECTION 3: HEALTH RISK ASSESSMENT

This section analyzes the potential health risk impacts from the emission toxic air contaminant (TAC) from the construction and operation of the project.

3.1 - About Health Risk Assessments

A Health Risk Assessment (HRA) is a guide that helps to determine whether current or future exposures to a chemical or substance in the environment could affect the health of a population. In general, risk depends on the following factors:

- Identify the toxic air contaminants (TACs) that may be present in the air;
- Estimate the amount of TACs released from all sources, or the source of particular concern, using air samples or emission models;
- Estimate concentrations of TACs in air in the geographic area of concern by using air dispersion models with information about emissions, source locations, weather, and other factors; and
- Estimate the number of people exposed to different concentrations of the TAC at different geographic locations.

Thus, an HRA identifies the TACs that could affect public health, identifies the sources of the TAC emissions and quantifies the emissions, estimates where the emissions are transported by prevailing meteorological conditions, and determines the extent and number of individuals affected by the TACs. A HRA also addresses the CEQA threshold regarding a project's potential to expose sensitive receptors to substantial pollutant concentrations.

3.2 - Toxic Air Contaminants

TACs are air pollutants present in miniscule amounts in the air that, if exposed to them, could increase your chances of experiencing health problems. Exposures to TACs emissions can have both chronic long-term (over a year or longer) and acute short-term (over a period of hours) health impacts. The TACs of greatest concern are those that cause serious health problems or affect many people. Health problems can include cancer, respiratory irritation, nervous system problems, and birth defects. Some health problems occur very soon after a person inhales a TAC. These immediate effects may be minor, such as watery eyes or they may be serious, such as life-threatening lung damage. Other health problems may not appear until many months or years after a person's first exposure to the TAC. Cancer is one example of a delayed health problem.

The HRA of TACs requires the application of a risk characterization model to the results from the air dispersion model to estimate potential health risks at each sensitive receptor location. The State of California Office of Environmental Health Hazards Assessment (OEHHA) develops methods for conducting health risk assessments. As defined under the Air Toxics "Hot Spots" Information and

Assessment Act of 1987 (AB 2588 [Chapter 1252, Statutes of 1987, California Health and Safety Code Section 44306]), "A health risk assessment means a detailed comprehensive analysis prepared pursuant to Section 44361 to evaluate and predict the dispersion of hazardous substances in the environment and the potential for exposure of human populations and to assess and quantify both the individual and population-wide health risks associated with those levels of exposure."

Emissions of diesel particulate matter (DPM) represent the TAC of greatest concern with regard to potential health risk impacts from the project. The ARB identified the diesel particulate matter (DPM) emissions from diesel-fueled engines as a toxic air contaminant in August 1998 under California's toxic air contaminant program (ARB 1998). In California, diesel engine exhaust has been identified as a carcinogen. Most researchers believe that diesel exhaust particles contribute the majority of the airborne cancer risk in California. Diesel exhaust is a major source of fine particulate pollution as well, and studies have linked elevated particle levels in the air to increased hospital admissions, emergency room visits, asthma attacks, and premature deaths among those suffering from respiratory problems.

The identification of DPM as a carcinogenic substance set into motion the development and adoption of the ARB's Diesel Risk Reduction Plan (ARB 2000). This plan recommends many control measures to reduce the risks associated with DPM and to achieve a goal of 75 percent reduction by 2010 and 85 percent reduction by 2020 from the risks estimated in the year 2000. These control measures include reductions on both on-road and off-road vehicles, off-road construction equipment, stationary and portable diesel engines, marine engines, railroad locomotive engines, and transportation refrigeration units. Based on these control measures, DPM emissions have declined statewide since 2000 by approximately 65 percent in 2015 and are expected to decline even further into the future (ARB 2014).

DPM is emitted from both mobile and stationary sources. In California, on-road diesel-fueled vehicles contribute approximately 40 percent of the statewide total, with an additional 57 percent attributed to other mobile sources such as construction and mining equipment, agricultural equipment, and transport refrigeration units (TRUs). Stationary sources, contributing about 3 percent of emissions, include shipyards, warehouses, heavy equipment repair yards, and oil and gas production operations. Emissions from these sources are from diesel-fueled internal combustion engines. Stationary sources that report DPM emissions also include heavy construction (except highway) manufacturers of asphalt, paving materials and blocks, and electrical generation.

The SCAQMD conducted a series of comprehensive studies called the Multiple Air Toxics Exposure Study in the South Coast Air SoCAB (MATES-II) (SCAQMD 2000), (MATES-III), (SCAQMD 2008), and MATES IV (SCAQMD 2015). These studies developed detailed TAC emission inventories, air sampling, and dispersion modeling for the SoCAB. The MATES Studies provided information on the importance of various TACs in terms of their relative health risks as well as their spatial magnitude and distribution across the SoCAB. The MATES-IV information can be used to characterize the "background" health risks from both regional and local TAC emission sources. The MATES-IV program results indicate that based on extensive computer modeling the cancer risks in the area where the project site is located

are estimated to be 1009 in one million[4] of which DPM contributes approximately 68 percent of the total cancer risk. This risk refers to the expected number of additional cancers in a population of one million individuals if they were exposed to these levels over a 70-year lifetime. The MATES IV study found that the population weighted cancer risk in the entire SoCAB was estimated to be 856 in one million. The remaining portion of the total cancer risk is comprised mainly of exposures to benzene, formaldehyde, acrolein, and 1,3-butadiene. Note that the cancer risks estimated in the MATES IV studied the impacts of toxics emissions in 2012 that were about 57 percent lower than the risks estimated in the MATES III study that studied the impacts of toxics emissions in 2005. The reduced levels in MATES IV are attributable the implementation of a wide variety of emission controls especially those on motor vehicles and, in particular, on large diesel trucks. Levels of cancer risk are expected to decline even further in the future as existing regulatory control requirements are phased in over the next 10 to 15 years.

3.3 - DPM Emission Estimates

Estimates of health risk that could potentially affect nearby sensitive receptors were derived from the emissions of DPM using the methodology described below.

3.3.1 - Construction

Construction DPM emissions (as PM_{10} exhaust) were estimated using the CalEEMod land use emission model as previously described in Section 2.4.1 above. Construction was assumed to commence in January 2019 and last approximately one year. An exhaust emission release height of 5 meters was assumed for the offroad construction equipment to account for the physical height of the construction emission release point and the increase in height above the ground due to the heated nature of the emissions. The construction DPM emissions were assumed to be distributed over a construction area of approximately 65 acres during demolition, site preparation, grading, building construction, paving, and architectural coating activities. The construction DPM emission estimates are provided in Appendix B.

3.3.2 - Operations

The full project was assumed to commence operation in 2020. The operational emission sources included in this assessment consisted of the worker vehicles and the truck shuttles that would operate both on the project site as well as along the roadways between the main FedEx facility and the project. Emissions from the mobile sources were derived from the ARB Emission Factor (EMFAC2017) mobile source emission model for San Bernardino County. To provide a conservative estimate of the project's operational health risks, the mobile source DPM emissions estimated for the full buildout operational year of 2020 were assumed to remain constant into the future. Based on the ARB compliance schedule for adopting emission controls on motor vehicle, future DPM emissions are estimated to be substantially less in future years beyond 2020 resulting in lower estimates of health risks compared to

[4] Note the MATES IV risks incorporate the OEHHA 2015 guidance for estimating cancer risks assuming all TAC emissions remain constant at their 2012 levels.

the health estimates for the year 2020. The operational DPM emission estimates are provided in Appendix B

3.4 - Air Dispersion Modeling Assumptions

To accomplish this HRA, an air dispersion model (EPA model; AERMOD Version 18081) was used to simulate the movement of air pollutants through the air from the sources of emissions and compare the concentration of these pollutants with the applicable health risk thresholds established by the SCAQMD.

Terrain elevations were obtained for the project site using AERMAP, the AERMOD terrain data pre-processor. The urban dispersion option was used to describe the air dispersion in the local vicinity of the project. The meteorological data for the years 2012 through 2016 were obtained from the SCAQMD for the Riverside Airport. Table 20 summarizes the general AERMOD model assumptions applied in the air dispersion model assessment.

Each emission source to be evaluated requires geometrical and emission release specifications for use in the air dispersion model. The emission source configurations applied in this assessment were assumed to be a line volume source to describe the impacts from roadway line segment from the project to the main FedEx facility. Onsite project operational emissions were described as an area source that captured emissions from vehicle travel and idling on the project site.

Exhibit 4 shows the locations of the project's operational emission sources including vehicle travel from the FedEx facility to the project and the emissions generated from onsite vehicle travel and idling. The locations of receptors included the nearest sensitive receptor located 240 meters west of the project site and a grid of receptors to estimate health impacts. Exhibit 5 shows the air dispersion model receptor locations examined in this assessment.

Table 21 summarizes the emission source assumptions applied in the air dispersion modeling.

Table 19: General Air Dispersion Model Assumptions

Feature	Assumption
Terrain processing	Complex terrain; elevations were obtained for the project site using the EPA AERMAP terrain data pre-processor
Emission source configuration	See Table 21 below.
Land Use	Urban
Coordinate System	Universal Transverse Mercator
Meteorological Data	SCAQMD Riverside Airport meteorological data for 2012 - 2016 obtained from the SCAQMD
Receptor height	0 meters (ground-level)

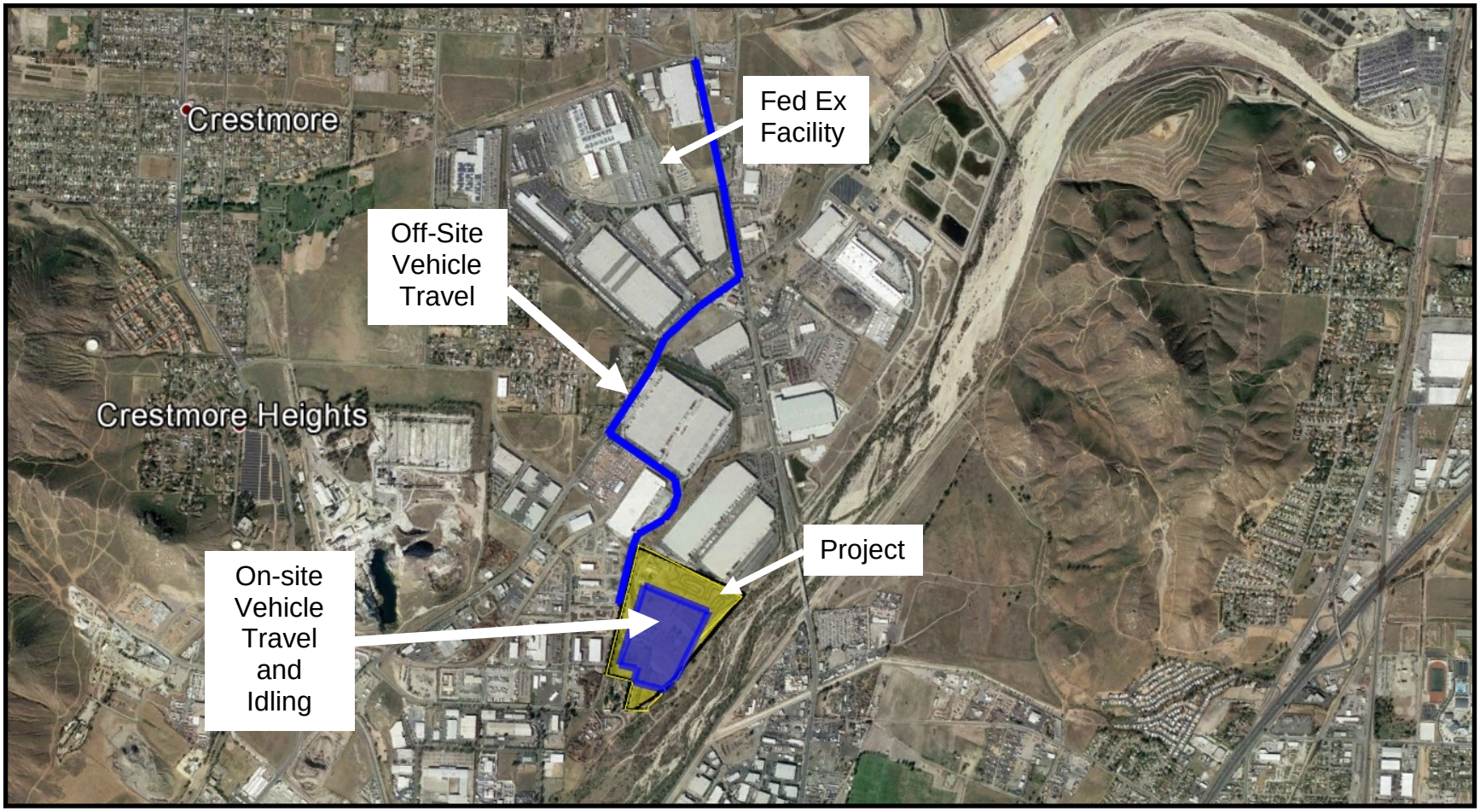


Exhibit 4
Locations of the Operational Emission Sources

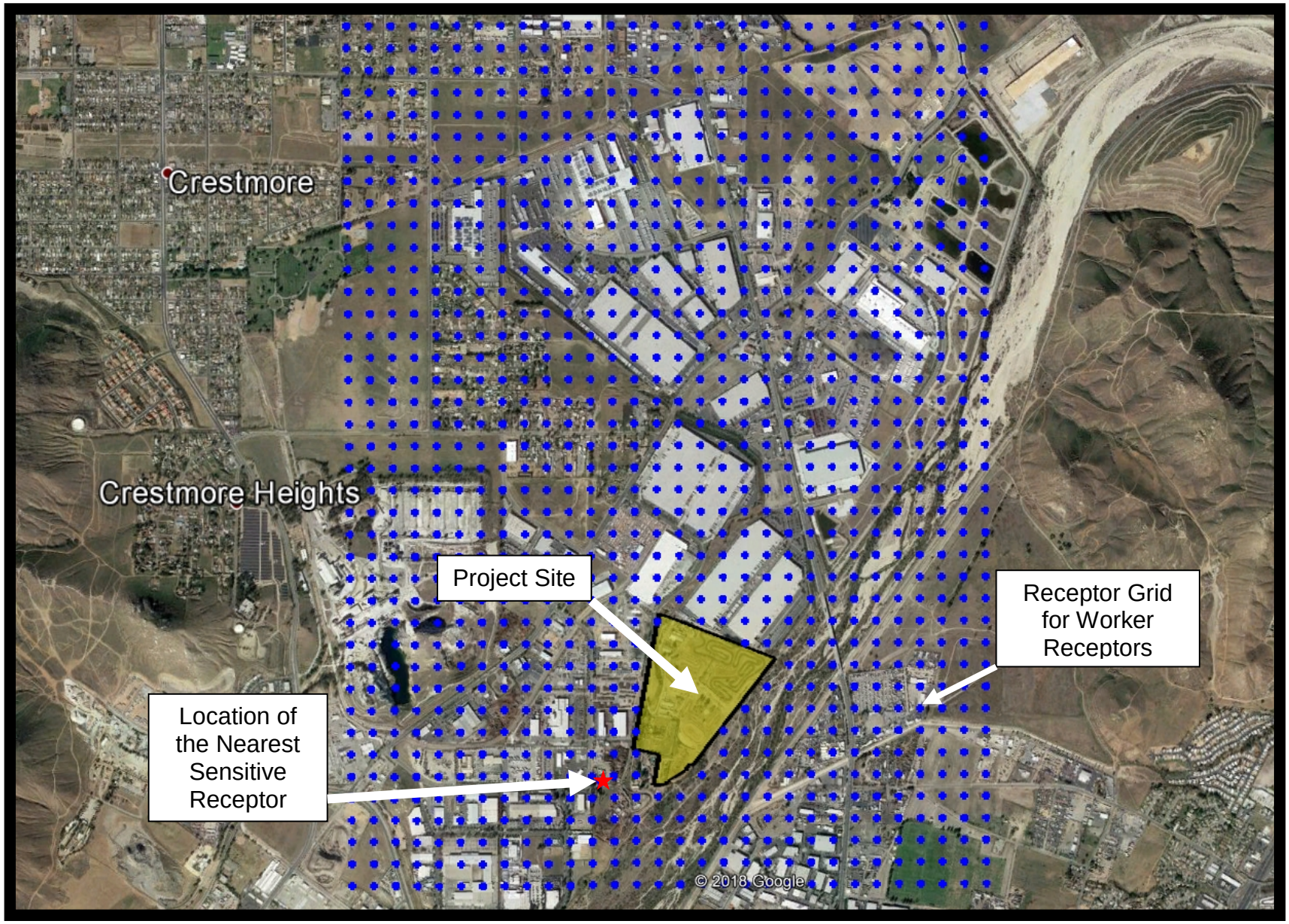


Exhibit 5
Air Dispersion Model Receptor Locations

Table 20: Summary of Emission Source Configurations

Emission Source Type	Geometric Configuration	Relevant Assumptions
Construction	Area Source	• Area source covered the entire area under construction • Emission release height: 16 feet
On-site Diesel Tractor Truck Shuttle and Worker Vehicles	Area Source	• See Table 12 for an inventory of tractor shuttle trucks and worker vehicles • Vehicle types: heavy-heavy trucks for tractor truck shuttles • Vehicle types: light duty autos and light and medium trucks • Emission factor: ARB EMFAC 2017 • Operations: 24/7 • Vehicle speed: 5 mph • Stack release height: 12 feet
On-site Diesel Tractor Truck Shuttle Idling	Area Source	• See Table 12 for an inventory of tractor truck shuttle and worker vehicles • Stack release height: 12 feet • Idle time: 15 minutes per tractor shuttle truck per day • Vehicle type: heavy-heavy duty diesel truck shuttles • Emission factor: ARB EMFAC 2017 • Operations: 24/7
Off-site Vehicle Traffic	Line sources	• See Table 12 for an inventory of tractor shuttle trucks and worker vehicles • Stack release height: 3 feet • Vehicle speed: 25 mph for tractor truck shuttles and 35 mph for worker vehicles • Travel from main FedEx facility along Riverside Avenue, Agua Mansa Road, Holly Street to the project entrance • Trip length approximately 2.1 miles one-way • Operations: 24/7
Source: see Appendix B		

3.5 - Health Risk Assessment Methodology

Cancer Risks

Cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer as a direct result of exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level of 10 in a million implies a likelihood (or risk) that up to ten persons, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of TACs over a specified duration of time. This risk would be an excess cancer risk that is in addition to any environmental cancer risk borne by a person not exposed to these air toxics.

The cancer risk from DPM is calculated by multiplying the average air concentration of DPM at each receptor location calculated using an air dispersion model and an inhalation exposure factor as expressed in Equation (EQ) 1 below.

$$\text{Cancer Risk} = C_{DPM} \times \text{Inhalation Exposure Factor} \qquad \text{(EQ-1)}$$

Where:

Cancer Risk = Total individual excess cancer risk defined as the cancer risk a hypothetical individual faces if exposed to carcinogenic emissions from a particular source for specified exposure durations; this risk is defined as an excess risk because it is above and beyond the background cancer risk to the population; cancer risk is expressed in terms of risk per million exposed individuals.

C_{DPM} = Period average DPM air concentration calculated from the air dispersion model in $\mu g/m^3$

Inhalation is the most important exposure pathway to impact human health from DPM and the inhalation exposure factor is defined as follows based on the cancer risk guidance from the California Office of Environmental Health Hazards Assessment OEHHA (OEHHA 2015) and SCAQMD (SCAQMD 2017):

$$\text{Inhalation Exposure Factor} = \text{CPF} \times \text{EF} \times \text{ED AAF/AT} \qquad \text{(EQ-2)}$$

Where:

CPF = Inhalation cancer potency factor for the TAC: 1.1 $(mg/kg\text{-}day)^{-1}$ for DPM
EF = Exposure frequency (days/year)
ED = Exposure duration (years)
AAF = set of age-specific adjustment factors that include age sensitivity factors (ASF), daily breathing rates (DBR), and time at home factors (TAH).
AT = Averaging time period over which exposure is averaged (25,550 days)

Cancer Risk Age-Specific Adjustment Factors (AAF)

Currently, the SCAQMD has not officially adopted the OEHHA cancer risk guidance for evaluating cancer risks for purposes of CEQA assessments. However, the SCAQMD in its recent CEQA comment letters as a responsible commenting agency has recommended that the OEHHA guidance be applied to estimating cancer risks. Therefore, this assessment incorporated the HRA assessment guidance contained within SCAQMD Rule 1401 (SCAQMD 2017) that applies to risk assessments under the air toxics hot spots program (AB 2588) based on the OEHHA 2015 risk guidance.

The SCAQMD guidance incorporates early-in-life cancer risk adjustment factors that account for the increased sensitivity and susceptibility of infants and young children to exposures to airborne carcinogens. These adjustment factors include age-sensitivity weighting factors, age-specific daily breathing rates, and age-specific time-at-home factors. The SCAQMD recommend values for the various cancer risk parameters shown in Equation 2 for several types of receptors are provided in Table 22.

Table 21: Exposure Assumptions for Cancer Risk

Receptor Scenario	Exposure Frequency		Exposure Duration (years)	Age Sensitivity Factors (ASF)	Time at Home Factor (TAH) (%)	Daily Breathing Rate[(1)] (DBR) (L/kg-day)
	Hours/day	Days/year				
Sensitive/Residential Receptor—Infant to Adult						
3rd Trimester	24	350	0.25	10	100	361
0 to 2 years	24	350	2	10	100	1,090
2 to 16 years	24	350	14	3	100	572
16 to 30 years	24	350	14	1	73	261
Sensitive/Residential Receptor—Adult						
Adult (30 years)	24	350	30	1	73	261
Worker Receptor						
Worker (25 years)	8	250	25	1	NA	230

Notes:
(1) The daily breathing rates recommended by the SCAQMD for sensitive/residential receptors assume the 95th percentile breathing rates for all individuals less than 2 years of age and 80th breathing rates for all older individuals.
(L/kg-day) = liters per kilogram body weight per day
Source: SCAQMD 2017; OEHHA 2015, see Appendix B.

Cancer risks were estimated for both project construction and operation.

- **Estimation of Construction Health Risk Impacts**: cancer risks during construction were estimated for the 1-year duration of construction using the construction DPM emissions and an exposure duration of 1 year; therefore, for the infant sensitive receptor, risks were estimated for the 3rd trimester and Year 1; and Year 1 for the adult receptor, and the worker receptor commencing with the year 2019.

- Estimation of Operational Health Risks: health risk impacts were estimated corresponding to exposures from year 2 through year 30 for pre-birth to adult receptors; year 2 to year 30 for adult receptors, and year 2 to year 25 for worker receptors by calculating annual average DPM air quality impacts at each receptor location for each year commencing with project operation in 2020 and assuming the mobile source emission rates will remain the same as in the year 2020. This is a highly conservative assumption given the knowledge that DPM mobile source emission rates are expected to decline significantly in the future beyond 2020 resulting from the need to comply with the various ARB mobile source emission regulations

- The total cancer risk from construction and operation was estimated by summing the individual construction and operational risks at the maximum impacted sensitive receptor for each year

Table 23 illustrates the computational process for estimating cancer risks for the various types of receptors

Table 22: Process for Estimating Cancer Risks for Various Receptor Types

Receptor Type	Exposure Assumptions
Prebirth/Infant to Adult	1-year of construction (2019) and 29 years of operation (2020 to 2048) with associated age parameters as shown in Table 21 for 3rd trimester to Adult age 30
Adult	1-year of construction (2019) and 29 years of operation (2020 to 2048(with associated adult parameters as shown in Table 21
Workers	1 year of construction (2019) and 24 years of operation (2020 to 2044) with associated worker parameters as shown in Table 21
Source: Appendix B	

Non-cancer Hazards

Separate from cancer risk impacts, exposures to TACs can also cause chronic or long-term related non-cancer illnesses such as reproductive effects, respiratory effects, eye sensitivity, immune effects, kidney effects, blood effects, central nervous system, birth defects, or other adverse environmental effects. Risk characterization for non-cancer health hazards from TACs is expressed as a hazard index (HI). The HI is a ratio of the predicted concentration of a Project's emissions to a concentration considered acceptable to public health professionals, termed the Reference Exposure Level (REL). This is a separate and distinct analysis from the analysis conducted for cancer risk. A significant risk is defined by the SCAQMD as an HI of 1 or greater. For chronic or long-term exposures to DPM, the California OEHHA has assigned a chronic non-cancer REL of 5 µg/m^3 for DPM. DPM has effects on the respiratory system, which accounts for essentially all of its potential chronic non-cancer hazards. Therefore, the only HI calculated was for DPM and the respiratory system.

Significance Threshold

For pollutants without defined emission or air concentration significance thresholds, the definition of substantial pollutant concentrations varies. For TACs, "substantial" is taken to mean that the individual cancer risk exceeds a threshold considered to be a prudent risk management level.

The SCAQMD has defined several health risk significance thresholds that it recommends to Lead Agencies in assessing a project's health risk impacts. The County of San Bernardino has not adopted its own set of thresholds. Therefore, the following SCAQMD thresholds were adopted for the project.

Project-Specific Health Risk Significance Thresholds

The SCAQMD has established the following project-specific health risk significance thresholds:

Maximum Incremental Cancer Risk: >=10 in 1 million.

Hazard Index (project increment) >=1.0.

A significant impact would occur if a project's impacts exceeded any of these thresholds.

Cumulative Health Risk Significance Thresholds

The AQMD has published a report on how to address cumulative impacts from air pollution: White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution (SCAQMD 2003). In this report, the AQMD clearly states (page D-3):

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

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

3.6 - Health Risk Impact Analysis Results

Table 23 provides the results of the construction and operational health risk assessment in terms of cancer risks and non-cancer hazard index at the closest sensitive receptor and the maximum exposed sensitive individual (MEI). The closest sensitive receptor is located at an existing residence approximately 255 m west of the project near the intersection of Wilson Street and Brown Avenue. The maximum impacted sensitive receptor is located at an existing residence near the intersection of El Rivino Road and Agua Mansa Road along the travel route from the project site to the FedEx facility. As noted from Table 23, the maximum cancer risks during construction and operation are less than the SCAQMD's health risk project-level and cumulative significance thresholds.

Table 23: Maximum Cancer Risks and Non-Cancer Hazard Index at the MEI During Construction and Operation

Health Metric	Value	SCAQMD Significance Threshold	Exceeds Threshold ?
Cancer Risk[1]			
Closest Sensitive Receptor [2] Prenatal to Adult (30-years) Adult (30 years)	 2.3 0.2	10 in 1 million	No
Maximum Impacted Sensitive Receptor[3] Prenatal to Adult (30 years) Adult (30 years)	 3.4 0.8	10 in 1 million	No
Worker Cancer Risk (25 years)	1.2	10 in 1 million	No
Non- Cancer Hazard Index			
All Receptors	<0.01	1.0	No

Notes:

[1] Health risks assume application of Mitigation Measure MM AIR-1

[2] Location: 255 meters west of the project near the intersection of Wilson Street and Brown Avenue

(3) Location: residence near the intersection of El Ravino Road and Agua Mansa Road

Source: see Appendix B

SECTION 4: GREENHOUSE GAS ASSESSMENT

This section analyzes the potential impacts on climate change from emission of regulated various greenhouses (GHG).

4.1 - Greenhouse Gases and Climate Change

Gases that trap heat in the atmosphere are referred to as greenhouse gases. The effect is analogous to the way a greenhouse retains heat. Common greenhouse gases include water vapor, CO_2, methane, nitrous oxides, chlorofluorocarbons, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, ozone, and aerosols. Natural processes and human activities emit greenhouse gases. The presence of greenhouse gases in the atmosphere affects the earth's temperature. It is believed that emissions from human activities, such as electricity production and vehicle use, have elevated the concentration of these gases in the atmosphere beyond the level of naturally occurring concentrations.

Climate change is driven by forcings and feedbacks. Radiative forcing is the difference between the incoming energy and outgoing energy in the climate system. Positive forcing tends to warm the surface while negative forcing tends to cool it. Radiative forcing values are typically expressed in watts per square meter. A feedback is a climate process that can strengthen or weaken a forcing. For example, when ice or snow melts, it reveals darker land underneath which absorbs more radiation and causes more warming. The global warming potential is the potential of a gas or aerosol to trap heat in the atmosphere. The global warming potential of a gas is essentially a measurement of the radiative forcing of a greenhouse gas compared with the reference gas, CO_2.

Individual greenhouse gas compounds have varying global warming potential and atmospheric lifetimes. Carbon dioxide, the reference gas for global warming potential, has a global warming potential of one. The global warming potential of a greenhouse gas is a measure of how much a given mass of a greenhouse gas is estimated to contribute to global warming. To describe how much global warming a given type and amount of greenhouse gas may cause, the carbon dioxide equivalent is used. The calculation of the carbon dioxide equivalent is a consistent methodology for comparing greenhouse gas emissions since it normalizes various greenhouse gas emissions to a consistent reference gas, CO_2. For example, methane's warming potential of 21 indicates that methane has 21 times greater warming affect than CO_2 on a molecule per molecule basis. A carbon dioxide equivalent is the mass emissions of an individual greenhouse gas multiplied by its global warming potential. Greenhouse gases defined by Assembly Bill (AB) 32 (see the Climate Change Regulatory Environment section for a description) include CO_2, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. They are described in Table 24. A seventh GHG, nitrogen trifluoride (NF_3), was added to Health and Safety Code section 38505(g)(7) as a GHG of concern.

Table 24: Description of Greenhouse Gases

Greenhouse Gas	Description and Physical Properties	Sources
Nitrous oxide	Nitrous oxide (laughing gas) is a colorless greenhouse gas. It has a lifetime of 114 years. Its global warming potential is 310.	Microbial processes in soil and water, fuel combustion, and industrial processes.
Methane	Methane is a flammable gas and is the main component of natural gas. It has a lifetime of 12 years. Its global warming potential is 21.	Methane is extracted from geological deposits (natural gas fields). Other sources are landfills, fermentation of manure, and decay of organic matter.
Carbon dioxide	Carbon dioxide (CO_2) is an odorless, colorless, natural greenhouse gas. Carbon dioxide's global warming potential is 1. The concentration in 2005 was 379 parts per million (ppm), which is an increase of about 1.4 ppm per year since 1960.	Natural sources include decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources are from burning coal, oil, natural gas, and wood.
Chlorofluorocarbons	These are gases formed synthetically by replacing all hydrogen atoms in methane or ethane with chlorine and/or fluorine atoms. They are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). Global warming potentials range from 3,800 to 8,100.	Chlorofluorocarbons were synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. They destroy stratospheric ozone. The Montreal Protocol on Substances that Deplete the Ozone Layer prohibited their production in 1987.
Hydrofluorocarbons	Hydrofluorocarbons are a group of greenhouse gases containing carbon, chlorine, and at least one hydrogen atom. Global warming potentials range from 140 to 11,700.	Hydrofluorocarbons are synthetic manmade chemicals used as a substitute for chlorofluorocarbons in applications such as automobile air conditioners and refrigerants.
Perfluorocarbons	Perfluorocarbons have stable molecular structures and only break down by ultraviolet rays about 60 kilometers above Earth's surface. Because of this, they have long lifetimes, between 10,000 and 50,000 years. Global warming potentials range from 6,500 to 9,200.	Two main sources of perfluorocarbons are primary aluminum production and semiconductor manufacturing.
Sulfur hexafluoride	Sulfur hexafluoride is an inorganic, odorless, colorless, and nontoxic, nonflammable gas. It has a lifetime of 3,200 years. It has a high global warming potential, 23,900.	This gas is manmade and used for insulation in electric power transmission equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas.
Nitrogen trifluoride	Nitrogen trifluoride (NF_3) was added to Health and Safety Code section 38505(g)(7) as a GHG of concern. It has a high global warming potential of 17,200.	This gas is used in electronics manufacture for semiconductors and liquid crystal displays.
Sources: Compiled from a variety of sources, primarily Intergovernmental Panel on Climate Change 2007a and 2007b.		

Several other gases and black carbon are considered GHGs but are not currently defined by the IPCC as such. A description of these items and the reasons they are not part of the GHG analysis is provided below.

The State has begun the process of addressing pollutants referred to as short-lived climate pollutants. The short-lived climate pollutants include three main components: black carbon, fluorinated gases, and methane. Fluorinated gases and methane are described in Table 24 and are already included in the California GHG inventory. Black carbon has not been included in past GHG inventories; however, ARB will include it in its comprehensive strategy (ARB 2015).

Senate Bill 605, approved by the Governor on September 14, 2014, required the ARB to complete a comprehensive strategy to reduce emissions of short-lived climate pollutants by January 1, 2016. The ARB released the Proposed Short-Lived Climate Pollutant Reduction Strategy in April 2016. ARB completed an emission inventory of these pollutants, identified research needs, identified existing and potential new control measures that offer co-benefits, and coordinated with other state agencies and districts to develop measures. Senate Bill 1383 approved the SB 605 plan and implementation of the plan began on January 1, 2018. The bill also set statewide 2030 emission reduction targets for the short-lived climate pollutants (ARB 2018b).

Ozone is another short-lived climate pollutant that will be part of the strategy. Ozone affects evaporation rates, cloud formation, and precipitation levels. Ozone is not directly emitted so its precursor emissions reactive organic gases (ROG) and oxides of nitrogen (NO_X) on a regional scale and CH_4 on a hemispheric scale will be subject of the strategy.

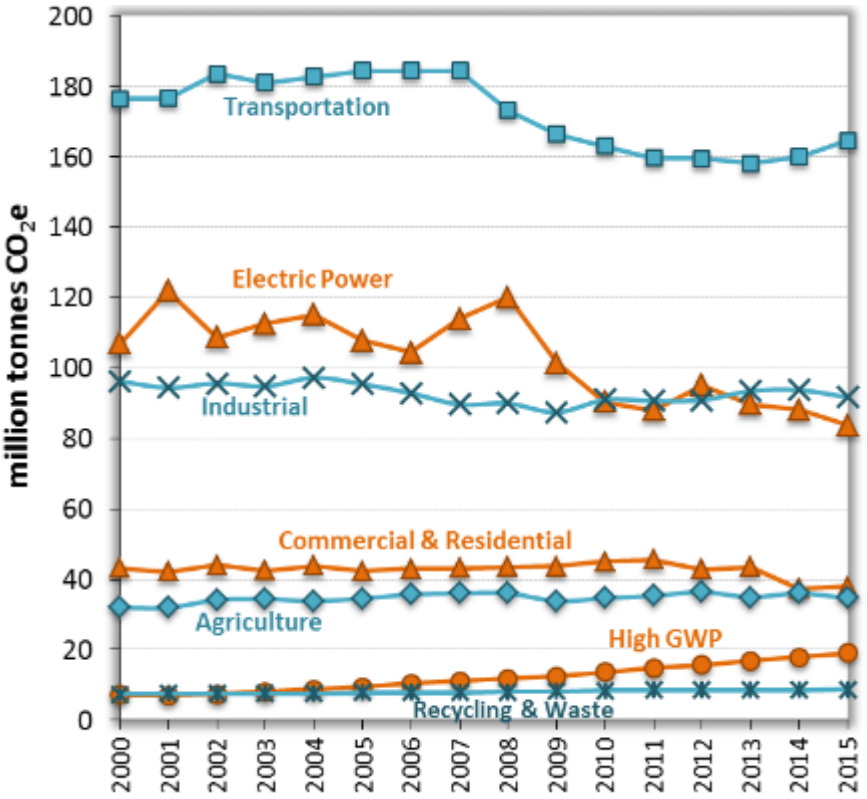
Black carbon is a component of fine particulate matter. Black carbon is formed by incomplete combustion of fossil fuels, biofuels, and biomass. Sources of black carbon within a jurisdiction may include exhaust from diesel trucks, vehicles, and equipment, as well as smoke from biogenic combustion. Biogenic combustion sources of black carbon include the burning of biofuels used for transportation, the burning of biomass for electricity generation and heating, prescribed burning of agricultural residue, and natural and unnatural wildfires. Black carbon is not a gas but an aerosol—particles or liquid droplets suspended in air. Black carbon only remains in the atmosphere for days to weeks, as opposed to other GHGs that can remain in the atmosphere for years. Black carbon can be deposited on snow, where it absorbs sunlight, reduces sunlight reflectivity, and hastens snowmelt. Direct effects include absorbing incoming and outgoing radiation; indirectly, black carbon can also affect cloud reflectivity, precipitation, and surface dimming (cooling).

4.1.1 - Emission Inventories

An emissions inventory is a database that lists, by source, the amount of air pollutants discharged into the atmosphere of a geographic area during a given time period. Emissions worldwide were approximately 49 billion metric tons of carbon dioxide equivalents (MMT CO_2e) in 2014. China was the largest GHG emitter with approximately 11.6 billion metric tons of CO_2e, and the United States was the second largest GHG emitter with approximately 6.3 billion metric tons of CO_2e in 2014 (CAIT 2017d).

Exhibit 6 shows the contributors of GHG emissions in California between years 2000 and 2015 by economic sector. The main contributor was transportation. The second highest sector was electric power, which includes sources from in-state power generation and emissions from imported electricity. ARB reported that California's GHG emissions inventory was 440.4 MMT CO_2e in 2015 (ARB 2017b).

Exhibit 6: Greenhouse Gas Emission Trends by Sector in California



Source ARB 2017b

4.1.2 - Significance Thresholds

CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on greenhouse gases, the type, level, and impact of emissions generated by the project must be evaluated.

The following greenhouse gas significance thresholds are contained in Appendix G of the CEQA Guidelines, which were amendments adopted into the Guidelines on March 18, 2010, pursuant to SB 97. A significant impact would occur if the project would:

(a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; or

(b) Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases.

Section 15064.4(b) of the CEQA Guideline amendments for greenhouse gas emissions states that a lead agency may take into account the following three considerations in assessing the significance of impacts from greenhouse gas emissions.

- **Consideration #1:** The extent to which the project may increase or reduce greenhouse gas emissions as compared with the existing environmental setting.
- **Consideration #2:** Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
- **Consideration #3:** The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of greenhouse gas emissions. Such regulations or requirements must be adopted by the relevant public agency through a public review process and must reduce or mitigate the project's incremental contribution of greenhouse gas 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.

4.1.3 - Thresholds of Significance for this Project

The County of San Bernardino adopted a Greenhouse Gas Emissions Reduction Plan (Plan) in September 2011. The Plan contains further guidance on the County's GHG emission inventory reduction goals, policies, guidelines, and implementation programs. The purpose of the Plan is to provide guidance on how to analyze GHG emissions and determine significance during the CEQA process of proposed development projects within the County. To address the State's requirement to reduce GHG emissions, the County prepared its Plan with the goal of reducing GHG emissions' within the County by 15% below 2007 levels by the year 2020. The County's target is consistent with the AB32 target and ensures that the County will be providing GHG reductions locally that will complement the State's efforts to reduce GHG emissions.

As part of the Plan, the County published a guidance document titled: "Greenhouse Gas Emissions Development Processes (County of San Bernardino 2015). As part of this guidance, the County determined the size of the development that is too small to provide the level of GHG emission reductions to meet the goals of the Plan. The County's analysis determined that a level of 3,000 $MTCO_2e$ per year would serve as a threshold below which a project's GHG emissions would be considered less than significant and would not need to pursue further analysis.

If a project exceeds the 3,000 $MTCO_2e$ per year threshold, the project emissions would need to be reduced by 31 percent from year 2007 emission levels or alternatively the project would need to achieve a minimum score of 100 points pursuant to the Development process screening tables. The screening tables allow developers the flexibility to tailor the mitigation measures to the project's needs, rather than be subject to one-size-fits-all mitigation measures that may be too stringent.

4.2 - Greenhouse Gas Impact Analysis

4.2.1 - Generation of Greenhouse Gases

Impact GHG-1: **The project would generate direct and indirect greenhouse gas emissions; however, these emissions would result in a less than significant impact on the environment.**

Impact Analysis

A project that demonstrates consistency with the local County of San Bernardino GHG threshold of 3,000 $MTCO_2e$ would fulfill the requirements of the County's GHG emission reduction plan. As such, projects that would not exceed the 3,000 MT CO_2e per year screening threshold would not have the potential to result in a significant impact on the environment. Conversely, projects that exceed the 3,000 MT CO_2e per year screening threshold would have the potential to result in a significant impact on the environment and would require application of mitigation measures.

The CalEEMod land use emission model was used to estimate the project's construction and operational GHG emissions. The various assumptions used in the model were described previously in Section 2.0

Construction

The project would emit greenhouse gases from upstream emission sources and direct sources (combustion of fuels from worker vehicles and construction equipment).

Table 25 shows the GHG emissions from project construction. As per SCAQMD guidance, the construction emission results are amortized over a 30-year period and added to the operational emissions to determine project's total GHG impacts.

Table 25: Construction Greenhouse Gas Emissions

Activity	Annual MT CO_2e
Construction	2,280
Amortized over 30 years[(1)]	**76**

Notes:
[1] Greenhouse gas emissions are amortized over the 30-year life of an industrial project.
MT CO_2e = metric tons of carbon dioxide equivalents = pounds per day x days x 0.0005.
Source: CalEEMod (see Appendix A).

Operation

Operational or long-term emissions occur over the life of the project. Table 26 shows the operational emissions for the project. Also shown is the estimate of GHG emissions from the operation of the existing raceway. As shown therein the net change in GHG emissions is 1,253 MTCO2e per year which

would not exceed the County of San Bernardino's threshold of 3,000 MT CO_2e per year for all land use projects.

Table 26: Project Greenhouse Gas Emissions

Source	Annual MT CO_2e
Operation	1,876
Construction (amortized over 30 years)	76
Total	1,952
Emissions from the Existing Raceway	699
Net Change in Emissions	1,253
Threshold	3,000
Exceed Threshold?	No

Notes:
MT CO_2e = metric tons of carbon dioxide equivalents.
Unrounded numbers were used in calculations, including reported totals.
Source of emissions: CalEEMod (see Appendix B).
Source of thresholds: County of San Bernardino 2015

Level of Significance Before Mitigation

Less than significant impact.

Mitigation Measures

No mitigation required.

Level of Significance After Mitigation

Less than significant impact.

4.2.2 - Greenhouse Gas Reduction Plans

Impact GHG-2: **The project would not conflict with any applicable plan, policy or regulation of an agency adopted to reduce the emissions of greenhouse gases.**

Impact Analysis

The project is subject to State of California and regional, policies, and regulations adopted for the purpose of reducing greenhouse gas emissions. The ARB Scoping Plan and its implementing regulations provides the overall framework for greenhouse gas regulation in California. The County of San Bernardino Greenhouse Gas Reduction Plan provides policies and measure commitments, which the County has committed to achieving with reference to the Scoping Plan.

As noted in the discussion of Impact GHG-1, the project's construction and operational emissions would not exceed the County's GHG significance threshold of 3,000 $MTCO_2e$ per year. As a consequence, the project would not conflict with any applicable plan, policy, or regulation adopted to reduce GHG emissions.

Level of Significance Before Mitigation

Less than significant impact.

Mitigation Measures

No mitigation required.

Level of Significance After Mitigation

Less than significant impact.

SECTION 5: REFERENCES

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Appendix A:
CalEEMod Model Output

Appendix A

	Page
CalEEMod Emissions for Construction and Operation – Annual	1
CalEEMod Emissions for Construction and Operation – Summer	34
CalEEMod Emissions for Construction and Operation – Winter	63
CalEEMod Emissions for Operation – Existing MX Milestone Raceway - Annual	92

16-057 San Bernardino Fed/Ex Holly Streey Project

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	34.00	Acre	34.00	1,481,040.00	0
Parking Lot	31.00	Acre	31.00	1,350,360.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	512	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

16-057 San Bernardino Fed/Ex Holly Streey Project - San Bernardino-South Coast County, Annual

Project Characteristics - CO2 Intensity Factor derived from SCE submission to the Edison Electrical Institute for 2017

Land Use -

Construction Phase - !-year construction schedule

Off-road Equipment - Building construction activity carried forward to account for the delivery of contruction materials as no physical buldings will be constructed

Off-road Equipment - Larger construction equipment

Trips and VMT - Vehicle requirements for building materials, soil hauling, and demolition hauling

Demolition - Demolition of existing structures

Grading - Required soil Import

Vehicle Trips - As per traffic memorandum from EPD Solutions

Consumer Products - Project is not a consumer produce user

Energy Use -

Construction Off-road Equipment Mitigation - Tier 4 Offroad Mitigation and Compliance with SCAQMD Rule 403

Fleet Mix - As per traffic memo from EPD Solutions

Off-road Equipment -

Off-road Equipment - Larger equipment

Off-road Equipment -

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	NumDays	70.00	10.00
tblConstructionPhase	NumDays	110.00	132.00
tblConstructionPhase	NumDays	75.00	67.00
tblConstructionPhase	NumDays	40.00	9.00
tblConsumerProducts	ROG_EF	1.98E-05	0

16-057 San Bernardino Fed/Ex Holly Streey Project - San Bernardino-South Coast County, Annual

tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	3.54E-12
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tblFleetMix	HHD	0.06	0.50
tblFleetMix	LDA	0.55	0.31
tblFleetMix	LDA	0.55	0.31
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT2	0.18	0.09
tblFleetMix	LDT2	0.18	0.09
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16-057 San Bernardino Fed/Ex Holly Streey Project - San Bernardino-South Coast County, Annual

tblGrading	AcresOfGrading	462.00	275.00
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tblOffRoadEquipment	PhaseName		Site Preparation
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tblTripsAndVMT	VendorTripNumber	464.00	313.00
tblTripsAndVMT	WorkerTripNumber	1,189.00	0.00
tblTripsAndVMT	WorkerTripNumber	238.00	10.00
tblVehicleTrips	CC_TL	8.40	2.10
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tblVehicleTrips	CW_TL	16.60	2.10
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tblVehicleTrips	WD_TR	0.00	19.50

2.0 Emissions Summary

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					
2019	1.0746	11.7967	4.1137	0.0241	1.1027	0.2535	1.3561	0.4037	0.2343	0.6380	0.0000	2,272.7987	2,272.7987	0.2717	0.0000	2,279.5905
Maximum	**1.0746**	**11.7967**	**4.1137**	**0.0241**	**1.1027**	**0.2535**	**1.3561**	**0.4037**	**0.2343**	**0.6380**	**0.0000**	**2,272.7987**	**2,272.7987**	**0.2717**	**0.0000**	**2,279.5905**

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					
2019	0.7398	7.5032	4.2190	0.0241	0.6857	0.0636	0.7494	0.2281	0.0601	0.2882	0.0000	2,272.7981	2,272.7981	0.2717	0.0000	2,279.5899
Maximum	**0.7398**	**7.5032**	**4.2190**	**0.0241**	**0.6857**	**0.0636**	**0.7494**	**0.2281**	**0.0601**	**0.2882**	**0.0000**	**2,272.7981**	**2,272.7981**	**0.2717**	**0.0000**	**2,279.5899**

	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	N20	CO2e
Percent Reduction	**31.15**	**36.40**	**-2.56**	**0.00**	**37.81**	**74.90**	**44.74**	**43.50**	**74.35**	**54.83**	**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	**1-2-2019**	**4-1-2019**	4.0247	2.3592
2	**4-2-2019**	**7-1-2019**	4.8080	2.9944
3	**7-2-2019**	**9-30-2019**	2.7881	1.8590
		Highest	4.8080	2.9944

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	0.0395	1.0000e-005	8.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6100e-003	1.6100e-003	0.0000	0.0000	1.7200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	109.7623	109.7623	6.2200e-003	1.2900e-003	110.3011
Mobile	0.2130	6.9044	1.3420	0.0126	0.1854	6.8400e-003	0.1922	0.0501	6.5200e-003	0.0566	0.0000	1,207.0112	1,207.0112	0.1640	0.0000	1,211.1115
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2525**	**6.9044**	**1.3428**	**0.0126**	**0.1854**	**6.8400e-003**	**0.1922**	**0.0501**	**6.5200e-003**	**0.0566**	**0.0000**	**1,316.7752**	**1,316.7752**	**0.1702**	**1.2900e-003**	**1,321.4143**

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	0.0395	1.0000e-005	8.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6100e-003	1.6100e-003	0.0000	0.0000	1.7200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	109.7623	109.7623	6.2200e-003	1.2900e-003	110.3011
Mobile	0.2130	6.9044	1.3420	0.0126	0.1854	6.8400e-003	0.1922	0.0501	6.5200e-003	0.0566	0.0000	1,207.0112	1,207.0112	0.1640	0.0000	1,211.1115
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2525**	**6.9044**	**1.3428**	**0.0126**	**0.1854**	**6.8400e-003**	**0.1922**	**0.0501**	**6.5200e-003**	**0.0566**	**0.0000**	**1,316.7752**	**1,316.7752**	**0.1702**	**1.2900e-003**	**1,321.4143**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

16-057 San Bernardino Fed/Ex Holly Streey Project - San Bernardino-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/2/2019	1/15/2019	5	10	
2	Site Preparation	Site Preparation	1/16/2019	1/28/2019	5	9	
3	Grading	Grading	1/29/2019	7/31/2019	5	132	
4	Building Construction	Building Construction	8/1/2019	11/1/2019	5	67	
5	Paving	Paving	8/1/2019	11/1/2019	5	67	
6	Architectural Coating	Architectural Coating	11/2/2019	12/19/2019	5	34	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 169,884 (Architectural Coating – sqft)

OffRoad Equipment

16-057 San Bernardino Fed/Ex Holly Streey Project - San Bernardino-South Coast County, Annual

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	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	2	8.00	212	0.43
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	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	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
Site Preparation	Crawler Tractors	4	8.00	212	0.43

Trips and VMT

16-057 San Bernardino Fed/Ex Holly Streey Project - San Bernardino-South Coast County, Annual

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	1,039.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	37,250.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	313.00	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	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2019

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					0.0421	0.0000	0.0421	6.3700e-003	0.0000	6.3700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0176	0.1789	0.1103	1.9000e-004		8.9700e-003	8.9700e-003		8.3500e-003	8.3500e-003	0.0000	17.3132	17.3132	4.8200e-003	0.0000	17.4336
Total	**0.0176**	**0.1789**	**0.1103**	**1.9000e-004**	**0.0421**	**8.9700e-003**	**0.0511**	**6.3700e-003**	**8.3500e-003**	**0.0147**	**0.0000**	**17.3132**	**17.3132**	**4.8200e-003**	**0.0000**	**17.4336**

3.2 Demolition - 2019

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	3.5500e-003	0.1408	0.0212	4.1000e-004	8.9400e-003	4.6000e-004	9.4000e-003	2.4600e-003	4.4000e-004	2.9000e-003	0.0000	39.2171	39.2171	2.2600e-003	0.0000	39.2736
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	4.0000e-004	3.3000e-004	3.2300e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7276	0.7276	2.0000e-005	0.0000	0.7282
Total	**3.9500e-003**	**0.1412**	**0.0244**	**4.2000e-004**	**9.7600e-003**	**4.7000e-004**	**0.0102**	**2.6800e-003**	**4.5000e-004**	**3.1200e-003**	**0.0000**	**39.9447**	**39.9447**	**2.2800e-003**	**0.0000**	**40.0018**

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					0.0164	0.0000	0.0164	2.4800e-003	0.0000	2.4800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3100e-003	0.0100	0.1164	1.9000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	17.3131	17.3131	4.8200e-003	0.0000	17.4336
Total	**2.3100e-003**	**0.0100**	**0.1164**	**1.9000e-004**	**0.0164**	**3.1000e-004**	**0.0167**	**2.4800e-003**	**3.1000e-004**	**2.7900e-003**	**0.0000**	**17.3131**	**17.3131**	**4.8200e-003**	**0.0000**	**17.4336**

3.2 Demolition - 2019

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	3.5500e-003	0.1408	0.0212	4.1000e-004	8.9400e-003	4.6000e-004	9.4000e-003	2.4600e-003	4.4000e-004	2.9000e-003	0.0000	39.2171	39.2171	2.2600e-003	0.0000	39.2736
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	4.0000e-004	3.3000e-004	3.2300e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7276	0.7276	2.0000e-005	0.0000	0.7282
Total	**3.9500e-003**	**0.1412**	**0.0244**	**4.2000e-004**	**9.7600e-003**	**4.7000e-004**	**0.0102**	**2.6800e-003**	**4.5000e-004**	**3.1200e-003**	**0.0000**	**39.9447**	**39.9447**	**2.2800e-003**	**0.0000**	**40.0018**

3.3 Site Preparation - 2019

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					0.0813	0.0000	0.0813	0.0447	0.0000	0.0447	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0263	0.3069	0.1043	2.6000e-004		0.0134	0.0134		0.0123	0.0123	0.0000	23.0465	23.0465	7.2900e-003	0.0000	23.2288
Total	**0.0263**	**0.3069**	**0.1043**	**2.6000e-004**	**0.0813**	**0.0134**	**0.0947**	**0.0447**	**0.0123**	**0.0570**	**0.0000**	**23.0465**	**23.0465**	**7.2900e-003**	**0.0000**	**23.2288**

3.3 Site Preparation - 2019

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	4.3000e-004	3.5000e-004	3.4900e-003	1.0000e-005	8.9000e-004	1.0000e-005	8.9000e-004	2.4000e-004	1.0000e-005	2.4000e-004	0.0000	0.7858	0.7858	3.0000e-005	0.0000	0.7864
Total	**4.3000e-004**	**3.5000e-004**	**3.4900e-003**	**1.0000e-005**	**8.9000e-004**	**1.0000e-005**	**8.9000e-004**	**2.4000e-004**	**1.0000e-005**	**2.4000e-004**	**0.0000**	**0.7858**	**0.7858**	**3.0000e-005**	**0.0000**	**0.7864**

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					0.0317	0.0000	0.0317	0.0174	0.0000	0.0174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.3400e-003	0.1050	0.1039	2.6000e-004		3.9000e-003	3.9000e-003		3.6100e-003	3.6100e-003	0.0000	23.0464	23.0464	7.2900e-003	0.0000	23.2287
Total	**9.3400e-003**	**0.1050**	**0.1039**	**2.6000e-004**	**0.0317**	**3.9000e-003**	**0.0356**	**0.0174**	**3.6100e-003**	**0.0210**	**0.0000**	**23.0464**	**23.0464**	**7.2900e-003**	**0.0000**	**23.2287**

3.3 Site Preparation - 2019

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	4.3000e-004	3.5000e-004	3.4900e-003	1.0000e-005	8.9000e-004	1.0000e-005	8.9000e-004	2.4000e-004	1.0000e-005	2.4000e-004	0.0000	0.7858	0.7858	3.0000e-005	0.0000	0.7864
Total	**4.3000e-004**	**3.5000e-004**	**3.4900e-003**	**1.0000e-005**	**8.9000e-004**	**1.0000e-005**	**8.9000e-004**	**2.4000e-004**	**1.0000e-005**	**2.4000e-004**	**0.0000**	**0.7858**	**0.7858**	**3.0000e-005**	**0.0000**	**0.7864**

3.4 Grading - 2019

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					0.5601	0.0000	0.5601	0.2368	0.0000	0.2368	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3626	4.3450	2.2394	4.7200e-003		0.1765	0.1765		0.1623	0.1623	0.0000	423.8795	423.8795	0.1341	0.0000	427.2322
Total	**0.3626**	**4.3450**	**2.2394**	**4.7200e-003**	**0.5601**	**0.1765**	**0.7366**	**0.2368**	**0.1623**	**0.3991**	**0.0000**	**423.8795**	**423.8795**	**0.1341**	**0.0000**	**427.2322**

3.4 Grading - 2019

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	0.1271	5.0492	0.7581	0.0146	0.3206	0.0166	0.3372	0.0881	0.0159	0.1039	0.0000	1,406.0031	1,406.0031	0.0810	0.0000	1,408.0290
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	7.0800e-003	5.7700e-003	0.0569	1.4000e-004	0.0145	1.0000e-004	0.0146	3.8400e-003	9.0000e-005	3.9400e-003	0.0000	12.8049	12.8049	4.2000e-004	0.0000	12.8154
Total	**0.1342**	**5.0549**	**0.8150**	**0.0148**	**0.3350**	**0.0167**	**0.3518**	**0.0919**	**0.0160**	**0.1079**	**0.0000**	**1,418.8080**	**1,418.8080**	**0.0815**	**0.0000**	**1,420.8444**

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					0.2185	0.0000	0.2185	0.0923	0.0000	0.0923	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1034	0.9213	2.2510	4.7200e-003		0.0333	0.0333		0.0311	0.0311	0.0000	423.8789	423.8789	0.1341	0.0000	427.2317
Total	**0.1034**	**0.9213**	**2.2510**	**4.7200e-003**	**0.2185**	**0.0333**	**0.2517**	**0.0923**	**0.0311**	**0.1235**	**0.0000**	**423.8789**	**423.8789**	**0.1341**	**0.0000**	**427.2317**

3.4 Grading - 2019

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	0.1271	5.0492	0.7581	0.0146	0.3206	0.0166	0.3372	0.0881	0.0159	0.1039	0.0000	1,406.0031	1,406.0031	0.0810	0.0000	1,408.0290
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	7.0800e-003	5.7700e-003	0.0569	1.4000e-004	0.0145	1.0000e-004	0.0146	3.8400e-003	9.0000e-005	3.9400e-003	0.0000	12.8049	12.8049	4.2000e-004	0.0000	12.8154
Total	**0.1342**	**5.0549**	**0.8150**	**0.0148**	**0.3350**	**0.0167**	**0.3518**	**0.0919**	**0.0160**	**0.1079**	**0.0000**	**1,418.8080**	**1,418.8080**	**0.0815**	**0.0000**	**1,420.8444**

3.5 Building Construction - 2019

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	0.0000	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
Total	**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**

3.5 Building Construction - 2019

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	0.0384	1.2246	0.2653	2.8200e-003	0.0661	7.5900e-003	0.0737	0.0191	7.2600e-003	0.0263	0.0000	269.5652	269.5652	0.0194	0.0000	270.0502
Worker	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
Total	**0.0384**	**1.2246**	**0.2653**	**2.8200e-003**	**0.0661**	**7.5900e-003**	**0.0737**	**0.0191**	**7.2600e-003**	**0.0263**	**0.0000**	**269.5652**	**269.5652**	**0.0194**	**0.0000**	**270.0502**

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	0.0000	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
Total	**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**

3.5 Building Construction - 2019

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	0.0384	1.2246	0.2653	2.8200e-003	0.0661	7.5900e-003	0.0737	0.0191	7.2600e-003	0.0263	0.0000	269.5652	269.5652	0.0194	0.0000	270.0502
Worker	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
Total	**0.0384**	**1.2246**	**0.2653**	**2.8200e-003**	**0.0661**	**7.5900e-003**	**0.0737**	**0.0191**	**7.2600e-003**	**0.0263**	**0.0000**	**269.5652**	**269.5652**	**0.0194**	**0.0000**	**270.0502**

3.6 Paving - 2019

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	0.0487	0.5107	0.4913	7.6000e-004		0.0276	0.0276		0.0254	0.0254	0.0000	68.5919	68.5919	0.0217	0.0000	69.1344
Paving	0.0406					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0893**	**0.5107**	**0.4913**	**7.6000e-004**		**0.0276**	**0.0276**		**0.0254**	**0.0254**	**0.0000**	**68.5919**	**68.5919**	**0.0217**	**0.0000**	**69.1344**

3.6 Paving - 2019

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	2.7000e-003	2.2000e-003	0.0217	5.0000e-005	5.5100e-003	4.0000e-005	5.5500e-003	1.4600e-003	3.0000e-005	1.5000e-003	0.0000	4.8746	4.8746	1.6000e-004	0.0000	4.8786
Total	**2.7000e-003**	**2.2000e-003**	**0.0217**	**5.0000e-005**	**5.5100e-003**	**4.0000e-005**	**5.5500e-003**	**1.4600e-003**	**3.0000e-005**	**1.5000e-003**	**0.0000**	**4.8746**	**4.8746**	**1.6000e-004**	**0.0000**	**4.8786**

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	9.4000e-003	0.0407	0.5794	7.6000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	68.5918	68.5918	0.0217	0.0000	69.1343
Paving	0.0406					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0500**	**0.0407**	**0.5794**	**7.6000e-004**		**1.2500e-003**	**1.2500e-003**		**1.2500e-003**	**1.2500e-003**	**0.0000**	**68.5918**	**68.5918**	**0.0217**	**0.0000**	**69.1343**

3.6 Paving - 2019

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	2.7000e-003	2.2000e-003	0.0217	5.0000e-005	5.5100e-003	4.0000e-005	5.5500e-003	1.4600e-003	3.0000e-005	1.5000e-003	0.0000	4.8746	4.8746	1.6000e-004	0.0000	4.8786
Total	**2.7000e-003**	**2.2000e-003**	**0.0217**	**5.0000e-005**	**5.5100e-003**	**4.0000e-005**	**5.5500e-003**	**1.4600e-003**	**3.0000e-005**	**1.5000e-003**	**0.0000**	**4.8746**	**4.8746**	**1.6000e-004**	**0.0000**	**4.8786**

3.7 Architectural Coating - 2019

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	0.3937					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5300e-003	0.0312	0.0313	5.0000e-005		2.1900e-003	2.1900e-003		2.1900e-003	2.1900e-003	0.0000	4.3405	4.3405	3.7000e-004	0.0000	4.3497
Total	**0.3982**	**0.0312**	**0.0313**	**5.0000e-005**		**2.1900e-003**	**2.1900e-003**		**2.1900e-003**	**2.1900e-003**	**0.0000**	**4.3405**	**4.3405**	**3.7000e-004**	**0.0000**	**4.3497**

3.7 Architectural Coating - 2019

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	9.1000e-004	7.4000e-004	7.3200e-003	2.0000e-005	1.8600e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.6491	1.6491	5.0000e-005	0.0000	1.6505
Total	**9.1000e-004**	**7.4000e-004**	**7.3200e-003**	**2.0000e-005**	**1.8600e-003**	**1.0000e-005**	**1.8800e-003**	**5.0000e-004**	**1.0000e-005**	**5.1000e-004**	**0.0000**	**1.6491**	**1.6491**	**5.0000e-005**	**0.0000**	**1.6505**

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	0.3937					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	2.1900e-003	0.0312	5.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	4.3405	4.3405	3.7000e-004	0.0000	4.3497
Total	**0.3942**	**2.1900e-003**	**0.0312**	**5.0000e-005**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**4.3405**	**4.3405**	**3.7000e-004**	**0.0000**	**4.3497**

3.7 Architectural Coating - 2019

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	9.1000e-004	7.4000e-004	7.3200e-003	2.0000e-005	1.8600e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.6491	1.6491	5.0000e-005	0.0000	1.6505
Total	**9.1000e-004**	**7.4000e-004**	**7.3200e-003**	**2.0000e-005**	**1.8600e-003**	**1.0000e-005**	**1.8800e-003**	**5.0000e-004**	**1.0000e-005**	**5.1000e-004**	**0.0000**	**1.6491**	**1.6491**	**5.0000e-005**	**0.0000**	**1.6505**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	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	0.2130	6.9044	1.3420	0.0126	0.1854	6.8400e-003	0.1922	0.0501	6.5200e-003	0.0566	0.0000	1,207.0112	1,207.0112	0.1640	0.0000	1,211.1115
Unmitigated	0.2130	6.9044	1.3420	0.0126	0.1854	6.8400e-003	0.1922	0.0501	6.5200e-003	0.0566	0.0000	1,207.0112	1,207.0112	0.1640	0.0000	1,211.1115

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	604.50	604.50	604.50	462,080	462,080
Total	604.50	604.50	604.50	462,080	462,080

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	2.10	2.10	2.10	0.00	0.00	100.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.306000	0.028000	0.090000	0.076000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.306000	0.028000	0.090000	0.076000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	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	109.7623	109.7623	6.2200e-003	1.2900e-003	110.3011
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	109.7623	109.7623	6.2200e-003	1.2900e-003	110.3011
NaturalGas Mitigated	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
NaturalGas Unmitigated	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

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					
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
Total		**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**

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					
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
Total		**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**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	472626	109.7623	6.2200e-003	1.2900e-003	110.3011
Total		**109.7623**	**6.2200e-003**	**1.2900e-003**	**110.3011**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	472626	109.7623	6.2200e-003	1.2900e-003	110.3011
Total		**109.7623**	**6.2200e-003**	**1.2900e-003**	**110.3011**

6.0 Area Detail

6.1 Mitigation Measures Area

	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	0.0395	1.0000e-005	8.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6100e-003	1.6100e-003	0.0000	0.0000	1.7200e-003
Unmitigated	0.0395	1.0000e-005	8.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6100e-003	1.6100e-003	0.0000	0.0000	1.7200e-003

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	0.0394					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	8.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6100e-003	1.6100e-003	0.0000	0.0000	1.7200e-003
Total	**0.0395**	**1.0000e-005**	**8.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.6100e-003**	**1.6100e-003**	**0.0000**	**0.0000**	**1.7200e-003**

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	0.0394					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	8.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6100e-003	1.6100e-003	0.0000	0.0000	1.7200e-003
Total	**0.0395**	**1.0000e-005**	**8.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.6100e-003**	**1.6100e-003**	**0.0000**	**0.0000**	**1.7200e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

16-057 San Bernardino Fed/Ex Holly Streey Project

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	34.00	Acre	34.00	1,481,040.00	0
Parking Lot	31.00	Acre	31.00	1,350,360.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	512	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor derived from SCE submission to the Edison Electrical Institute for 2017

Land Use -

Construction Phase - !-year construction schedule

Off-road Equipment - Building construction activity carried forward to account for the delivery of contruction materials as no physical buldings will be constructed

Off-road Equipment - Larger construction equipment

Trips and VMT - Vehicle requirements for building materials, soil hauling, and demolition hauling

Demolition - Demolition of existing structures

Grading - Required soil Import

Vehicle Trips - As per traffic memorandum from EPD Solutions

Consumer Products - Project is not a consumer produce user

Energy Use -

Construction Off-road Equipment Mitigation - Tier 4 Offroad Mitigation and Compliance with SCAQMD Rule 403

Fleet Mix - As per traffic memo from EPD Solutions

Off-road Equipment -

Off-road Equipment - Larger equipment

Off-road Equipment -

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	34.00
tblConstructionPhase	NumDays	1,110.00	67.00
tblConstructionPhase	NumDays	70.00	10.00
tblConstructionPhase	NumDays	110.00	132.00
tblConstructionPhase	NumDays	75.00	67.00
tblConstructionPhase	NumDays	40.00	9.00
tblConsumerProducts	ROG_EF	1.98E-05	0

16-057 San Bernardino Fed/Ex Holly Streey Project - San Bernardino-South Coast County, Summer

tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	3.54E-12
tblFleetMix	HHD	0.06	0.50
tblFleetMix	HHD	0.06	0.50
tblFleetMix	LDA	0.55	0.31
tblFleetMix	LDA	0.55	0.31
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT2	0.18	0.09
tblFleetMix	LDT2	0.18	0.09
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.4600e-003	0.00
tblFleetMix	LHD2	5.4600e-003	0.00
tblFleetMix	MCY	6.1170e-003	0.00
tblFleetMix	MCY	6.1170e-003	0.00
tblFleetMix	MDV	0.12	0.08
tblFleetMix	MDV	0.12	0.08
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	SBUS	8.1700e-004	0.00
tblFleetMix	SBUS	8.1700e-004	0.00
tblFleetMix	UBUS	1.6570e-003	0.00
tblFleetMix	UBUS	1.6570e-003	0.00

16-057 San Bernardino Fed/Ex Holly Streey Project - San Bernardino-South Coast County, Summer

tblGrading	AcresOfGrading	462.00	275.00
tblGrading	AcresOfGrading	18.00	0.00
tblGrading	MaterialImported	0.00	298,000.00
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Site Preparation
tblProjectCharacteristics	CO2IntensityFactor	702.44	512
tblTripsAndVMT	HaulingTripNumber	389.00	1,039.00
tblTripsAndVMT	VendorTripNumber	464.00	313.00
tblTripsAndVMT	WorkerTripNumber	1,189.00	0.00
tblTripsAndVMT	WorkerTripNumber	238.00	10.00
tblVehicleTrips	CC_TL	8.40	2.10
tblVehicleTrips	CNW_TL	6.90	2.10
tblVehicleTrips	CNW_TTP	0.00	100.00
tblVehicleTrips	CW_TL	16.60	2.10
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	19.50
tblVehicleTrips	SU_TR	0.00	19.50

tblVehicleTrips	WD_TR	0.00	19.50

2.0 Emissions Summary

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					
2019	23.4849	140.4353	45.7157	0.2976	18.2675	2.9734	21.2408	9.9840	2.7355	12.7195	0.0000	31,052.6895	31,052.6895	3.5517	0.0000	31,141.4831
Maximum	**23.4849**	**140.4353**	**45.7157**	**0.2976**	**18.2675**	**2.9734**	**21.2408**	**9.9840**	**2.7355**	**12.7195**	**0.0000**	**31,052.6895**	**31,052.6895**	**3.5517**	**0.0000**	**31,141.4831**

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					
2019	23.2482	88.5605	45.8912	0.2976	8.4722	0.8681	9.2276	3.9263	0.8033	4.7296	0.0000	31,052.6895	31,052.6895	3.5517	0.0000	31,141.4831
Maximum	**23.2482**	**88.5605**	**45.8912**	**0.2976**	**8.4722**	**0.8681**	**9.2276**	**3.9263**	**0.8033**	**4.7296**	**0.0000**	**31,052.6895**	**31,052.6895**	**3.5517**	**0.0000**	**31,141.4831**

16-057 San Bernardino Fed/Ex Holly Streey Project - San Bernardino-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	N20	CO2e
Percent Reduction	**1.01**	**36.94**	**-0.38**	**0.00**	**53.62**	**70.81**	**56.56**	**60.67**	**70.63**	**62.82**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	0.2164	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0152
Energy	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
Mobile	1.2325	38.3175	6.6824	0.0725	1.0369	0.0364	1.0733	0.2799	0.0346	0.3145		7,637.3915	7,637.3915	0.9431		7,660.9700
Total	**1.4489**	**38.3175**	**6.6891**	**0.0725**	**1.0369**	**0.0364**	**1.0733**	**0.2799**	**0.0347**	**0.3145**		**7,637.4057**	**7,637.4057**	**0.9432**	**0.0000**	**7,660.9852**

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	0.2164	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0152
Energy	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
Mobile	1.2325	38.3175	6.6824	0.0725	1.0369	0.0364	1.0733	0.2799	0.0346	0.3145		7,637.3915	7,637.3915	0.9431		7,660.9700
Total	**1.4489**	**38.3175**	**6.6891**	**0.0725**	**1.0369**	**0.0364**	**1.0733**	**0.2799**	**0.0347**	**0.3145**		**7,637.4057**	**7,637.4057**	**0.9432**	**0.0000**	**7,660.9852**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/2/2019	1/15/2019	5	10	
2	Site Preparation	Site Preparation	1/16/2019	1/28/2019	5	9	
3	Grading	Grading	1/29/2019	7/31/2019	5	132	
4	Building Construction	Building Construction	8/1/2019	11/1/2019	5	67	
5	Paving	Paving	8/1/2019	11/1/2019	5	67	
6	Architectural Coating	Architectural Coating	11/2/2019	12/19/2019	5	34	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 169,884 (Architectural Coating – sqft)

OffRoad Equipment

16-057 San Bernardino Fed/Ex Holly Streey Project - San Bernardino-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	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	2	8.00	212	0.43
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	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	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
Site Preparation	Crawler Tractors	4	8.00	212	0.43

Trips and VMT

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	1,039.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	37,250.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	313.00	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	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2019

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					8.4162	0.0000	8.4162	1.2743	0.0000	1.2743			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**	**8.4162**	**1.7949**	**10.2111**	**1.2743**	**1.6697**	**2.9440**		**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.2 Demolition - 2019

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	0.6956	27.4380	3.9720	0.0824	1.8184	0.0920	1.9104	0.4986	0.0881	0.5866		8,740.6186	8,740.6186	0.4801		8,752.6218
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	0.0889	0.0592	0.7477	1.7600e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		174.9624	174.9624	5.8700e-003		175.1091
Total	**0.7846**	**27.4972**	**4.7197**	**0.0842**	**1.9861**	**0.0932**	**2.0792**	**0.5430**	**0.0891**	**0.6321**		**8,915.5810**	**8,915.5810**	**0.4860**		**8,927.7308**

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					3.2823	0.0000	3.2823	0.4970	0.0000	0.4970			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**0.4623**	**2.0032**	**23.2798**	**0.0388**	**3.2823**	**0.0616**	**3.3440**	**0.4970**	**0.0616**	**0.5586**	**0.0000**	**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.2 Demolition - 2019

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	0.6956	27.4380	3.9720	0.0824	1.8184	0.0920	1.9104	0.4986	0.0881	0.5866		8,740.6186	8,740.6186	0.4801		8,752.6218
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	0.0889	0.0592	0.7477	1.7600e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		174.9624	174.9624	5.8700e-003		175.1091
Total	**0.7846**	**27.4972**	**4.7197**	**0.0842**	**1.9861**	**0.0932**	**2.0792**	**0.5430**	**0.0891**	**0.6321**		**8,915.5810**	**8,915.5810**	**0.4860**		**8,927.7308**

3.3 Site Preparation - 2019

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.8450	68.1996	23.1708	0.0570		2.9720	2.9720		2.7343	2.7343		5,645.4173	5,645.4173	1.7862		5,690.0710
Total	**5.8450**	**68.1996**	**23.1708**	**0.0570**	**18.0663**	**2.9720**	**21.0383**	**9.9307**	**2.7343**	**12.6649**		**5,645.4173**	**5,645.4173**	**1.7862**		**5,690.0710**

3.3 Site Preparation - 2019

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	0.1067	0.0710	0.8973	2.1100e-003	0.2012	1.3500e-003	0.2026	0.0534	1.2500e-003	0.0546		209.9549	209.9549	7.0400e-003		210.1309
Total	**0.1067**	**0.0710**	**0.8973**	**2.1100e-003**	**0.2012**	**1.3500e-003**	**0.2026**	**0.0534**	**1.2500e-003**	**0.0546**		**209.9549**	**209.9549**	**7.0400e-003**		**210.1309**

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	2.0766	23.3351	23.0831	0.0570		0.8667	0.8667		0.8021	0.8021	0.0000	5,645.4173	5,645.4173	1.7862		5,690.0710
Total	**2.0766**	**23.3351**	**23.0831**	**0.0570**	**7.0458**	**0.8667**	**7.9125**	**3.8730**	**0.8021**	**4.6750**	**0.0000**	**5,645.4173**	**5,645.4173**	**1.7862**		**5,690.0710**

3.3 Site Preparation - 2019

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	0.1067	0.0710	0.8973	2.1100e-003	0.2012	1.3500e-003	0.2026	0.0534	1.2500e-003	0.0546		209.9549	209.9549	7.0400e-003		210.1309
Total	**0.1067**	**0.0710**	**0.8973**	**2.1100e-003**	**0.2012**	**1.3500e-003**	**0.2026**	**0.0534**	**1.2500e-003**	**0.0546**		**209.9549**	**209.9549**	**7.0400e-003**		**210.1309**

3.4 Grading - 2019

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					8.4868	0.0000	8.4868	3.5875	0.0000	3.5875			0.0000			0.0000
Off-Road	5.4939	65.8336	33.9306	0.0715		2.6735	2.6735		2.4596	2.4596		7,079.5017	7,079.5017	2.2399		7,135.4987
Total	**5.4939**	**65.8336**	**33.9306**	**0.0715**	**8.4868**	**2.6735**	**11.1603**	**3.5875**	**2.4596**	**6.0471**		**7,079.5017**	**7,079.5017**	**2.2399**		**7,135.4987**

3.4 Grading - 2019

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	1.8893	74.5228	10.7881	0.2238	4.9388	0.2500	5.1888	1.3541	0.2392	1.5933		23,739.9046	23,739.9046	1.3040		23,772.5057
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	0.1186	0.0789	0.9970	2.3400e-003	0.2236	1.5000e-003	0.2251	0.0593	1.3800e-003	0.0607		233.2832	233.2832	7.8200e-003		233.4787
Total	**2.0079**	**74.6017**	**11.7850**	**0.2261**	**5.1624**	**0.2515**	**5.4139**	**1.4134**	**0.2406**	**1.6539**		**23,973.1878**	**23,973.1878**	**1.3119**		**24,005.9844**

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					3.3098	0.0000	3.3098	1.3991	0.0000	1.3991			0.0000			0.0000
Off-Road	1.5671	13.9588	34.1062	0.0715		0.5039	0.5039		0.4715	0.4715	0.0000	7,079.5017	7,079.5017	2.2399		7,135.4987
Total	**1.5671**	**13.9588**	**34.1062**	**0.0715**	**3.3098**	**0.5039**	**3.8137**	**1.3991**	**0.4715**	**1.8707**	**0.0000**	**7,079.5017**	**7,079.5017**	**2.2399**		**7,135.4987**

3.4 Grading - 2019

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	1.8893	74.5228	10.7881	0.2238	4.9388	0.2500	5.1888	1.3541	0.2392	1.5933		23,739.9046	23,739.9046	1.3040		23,772.5057
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	0.1186	0.0789	0.9970	2.3400e-003	0.2236	1.5000e-003	0.2251	0.0593	1.3800e-003	0.0607		233.2832	233.2832	7.8200e-003		233.4787
Total	**2.0079**	**74.6017**	**11.7850**	**0.2261**	**5.1624**	**0.2515**	**5.4139**	**1.4134**	**0.2406**	**1.6539**		**23,973.1878**	**23,973.1878**	**1.3119**		**24,005.9844**

3.5 Building Construction - 2019

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.5 Building Construction - 2019

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	1.1227	36.0411	7.3289	0.0855	2.0047	0.2254	2.2302	0.5772	0.2156	0.7929		9,015.8934	9,015.8934	0.6096		9,031.1343
Worker	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
Total	**1.1227**	**36.0411**	**7.3289**	**0.0855**	**2.0047**	**0.2254**	**2.2302**	**0.5772**	**0.2156**	**0.7929**		**9,015.8934**	**9,015.8934**	**0.6096**		**9,031.1343**

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	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
Total	**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**

3.5 Building Construction - 2019

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	1.1227	36.0411	7.3289	0.0855	2.0047	0.2254	2.2302	0.5772	0.2156	0.7929		9,015.8934	9,015.8934	0.6096		9,031.1343
Worker	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
Total	**1.1227**	**36.0411**	**7.3289**	**0.0855**	**2.0047**	**0.2254**	**2.2302**	**0.5772**	**0.2156**	**0.7929**		**9,015.8934**	**9,015.8934**	**0.6096**		**9,031.1343**

3.6 Paving - 2019

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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	1.2122					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.6667**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**		**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

3.6 Paving - 2019

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	0.0889	0.0592	0.7477	1.7600e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		174.9624	174.9624	5.8700e-003		175.1091
Total	**0.0889**	**0.0592**	**0.7477**	**1.7600e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0400e-003**	**0.0455**		**174.9624**	**174.9624**	**5.8700e-003**		**175.1091**

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	1.2122					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4927**	**1.2154**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

3.6 Paving - 2019

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	0.0889	0.0592	0.7477	1.7600e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		174.9624	174.9624	5.8700e-003		175.1091
Total	**0.0889**	**0.0592**	**0.7477**	**1.7600e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0400e-003**	**0.0455**		**174.9624**	**174.9624**	**5.8700e-003**		**175.1091**

3.7 Architectural Coating - 2019

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	23.1592					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**23.4256**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

3.7 Architectural Coating - 2019

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	0.0593	0.0394	0.4985	1.1700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		116.6416	116.6416	3.9100e-003		116.7394
Total	**0.0593**	**0.0394**	**0.4985**	**1.1700e-003**	**0.1118**	**7.5000e-004**	**0.1125**	**0.0296**	**6.9000e-004**	**0.0303**		**116.6416**	**116.6416**	**3.9100e-003**		**116.7394**

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	23.1592					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**23.1889**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

3.7 Architectural Coating - 2019

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	0.0593	0.0394	0.4985	1.1700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		116.6416	116.6416	3.9100e-003		116.7394
Total	**0.0593**	**0.0394**	**0.4985**	**1.1700e-003**	**0.1118**	**7.5000e-004**	**0.1125**	**0.0296**	**6.9000e-004**	**0.0303**		**116.6416**	**116.6416**	**3.9100e-003**		**116.7394**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	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	1.2325	38.3175	6.6824	0.0725	1.0369	0.0364	1.0733	0.2799	0.0346	0.3145		7,637.3915	7,637.3915	0.9431		7,660.9700
Unmitigated	1.2325	38.3175	6.6824	0.0725	1.0369	0.0364	1.0733	0.2799	0.0346	0.3145		7,637.3915	7,637.3915	0.9431		7,660.9700

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	604.50	604.50	604.50	462,080	462,080
Total	604.50	604.50	604.50	462,080	462,080

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	2.10	2.10	2.10	0.00	0.00	100.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.306000	0.028000	0.090000	0.076000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.306000	0.028000	0.090000	0.076000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	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

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					
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
Total		**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**

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					
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
Total		**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**

6.0 Area Detail

6.1 Mitigation Measures Area

	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	0.2164	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0152
Unmitigated	0.2164	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0152

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	0.2157					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0000e-005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.3000e-004	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0152
Total	**0.2164**	**6.0000e-005**	**6.6800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0142**	**0.0142**	**4.0000e-005**		**0.0152**

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	0.2157					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0000e-005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.3000e-004	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0152
Total	**0.2164**	**6.0000e-005**	**6.6800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0142**	**0.0142**	**4.0000e-005**		**0.0152**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

16-057 San Bernardino Fed/Ex Holly Streey Project

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	34.00	Acre	34.00	1,481,040.00	0
Parking Lot	31.00	Acre	31.00	1,350,360.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	512	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

16-057 San Bernardino Fed/Ex Holly Streey Project - San Bernardino-South Coast County, Winter

Project Characteristics - CO2 Intensity Factor derived from SCE submission to the Edison Electrical Institute for 2017

Land Use -

Construction Phase - !-year construction schedule

Off-road Equipment - Building construction activity carried forward to account for the delivery of contruction materials as no physical buldings will be constructed

Off-road Equipment - Larger construction equipment

Trips and VMT - Vehicle requirements for building materials, soil hauling, and demolition hauling

Demolition - Demolition of existing structures

Grading - Required soil Import

Vehicle Trips - As per traffic memorandum from EPD Solutions

Consumer Products - Project is not a consumer produce user

Energy Use -

Construction Off-road Equipment Mitigation - Tier 4 Offroad Mitigation and Compliance with SCAQMD Rule 403

Fleet Mix - As per traffic memo from EPD Solutions

Off-road Equipment -

Off-road Equipment - Larger equipment

Off-road Equipment -

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	34.00
tblConstructionPhase	NumDays	1,110.00	67.00
tblConstructionPhase	NumDays	70.00	10.00
tblConstructionPhase	NumDays	110.00	132.00
tblConstructionPhase	NumDays	75.00	67.00
tblConstructionPhase	NumDays	40.00	9.00
tblConsumerProducts	ROG_EF	1.98E-05	0

tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	3.54E-12
tblFleetMix	HHD	0.06	0.50
tblFleetMix	HHD	0.06	0.50
tblFleetMix	LDA	0.55	0.31
tblFleetMix	LDA	0.55	0.31
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT2	0.18	0.09
tblFleetMix	LDT2	0.18	0.09
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.4600e-003	0.00
tblFleetMix	LHD2	5.4600e-003	0.00
tblFleetMix	MCY	6.1170e-003	0.00
tblFleetMix	MCY	6.1170e-003	0.00
tblFleetMix	MDV	0.12	0.08
tblFleetMix	MDV	0.12	0.08
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	SBUS	8.1700e-004	0.00
tblFleetMix	SBUS	8.1700e-004	0.00
tblFleetMix	UBUS	1.6570e-003	0.00
tblFleetMix	UBUS	1.6570e-003	0.00

16-057 San Bernardino Fed/Ex Holly Streey Project - San Bernardino-South Coast County, Winter

tblGrading	AcresOfGrading	462.00	275.00
tblGrading	AcresOfGrading	18.00	0.00
tblGrading	MaterialImported	0.00	298,000.00
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Site Preparation
tblProjectCharacteristics	CO2IntensityFactor	702.44	512
tblTripsAndVMT	HaulingTripNumber	389.00	1,039.00
tblTripsAndVMT	VendorTripNumber	464.00	313.00
tblTripsAndVMT	WorkerTripNumber	1,189.00	0.00
tblTripsAndVMT	WorkerTripNumber	238.00	10.00
tblVehicleTrips	CC_TL	8.40	2.10
tblVehicleTrips	CNW_TL	6.90	2.10
tblVehicleTrips	CNW_TTP	0.00	100.00
tblVehicleTrips	CW_TL	16.60	2.10
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	19.50
tblVehicleTrips	SU_TR	0.00	19.50

tblVehicleTrips	WD_TR	0.00	19.50

2.0 Emissions Summary

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					
2019	23.4848	140.9149	47.1234	0.2916	18.2675	2.9734	21.2408	9.9840	2.7355	12.7195	0.0000	30,416.1073	30,416.1073	3.6613	0.0000	30,507.6389
Maximum	**23.4848**	**140.9149**	**47.1234**	**0.2916**	**18.2675**	**2.9734**	**21.2408**	**9.9840**	**2.7355**	**12.7195**	**0.0000**	**30,416.1073**	**30,416.1073**	**3.6613**	**0.0000**	**30,507.6389**

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					
2019	23.2481	89.0402	47.2990	0.2916	8.4722	0.8681	9.2319	3.9263	0.8033	4.7296	0.0000	30,416.1073	30,416.1073	3.6613	0.0000	30,507.6389
Maximum	**23.2481**	**89.0402**	**47.2990**	**0.2916**	**8.4722**	**0.8681**	**9.2319**	**3.9263**	**0.8033**	**4.7296**	**0.0000**	**30,416.1073**	**30,416.1073**	**3.6613**	**0.0000**	**30,507.6389**

16-057 San Bernardino Fed/Ex Holly Streey Project - San Bernardino-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	N20	CO2e
Percent Reduction	**1.01**	**36.81**	**-0.37**	**0.00**	**53.62**	**70.81**	**56.54**	**60.67**	**70.63**	**62.82**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	0.2164	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0152
Energy	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
Mobile	1.2331	37.0388	8.1730	0.0657	1.0369	0.0394	1.0763	0.2799	0.0375	0.3174		6,928.4908	6,928.4908	1.0585		6,954.9523
Total	**1.4495**	**37.0389**	**8.1797**	**0.0657**	**1.0369**	**0.0394**	**1.0763**	**0.2799**	**0.0375**	**0.3174**		**6,928.5050**	**6,928.5050**	**1.0585**	**0.0000**	**6,954.9675**

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	0.2164	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0152
Energy	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
Mobile	1.2331	37.0388	8.1730	0.0657	1.0369	0.0394	1.0763	0.2799	0.0375	0.3174		6,928.4908	6,928.4908	1.0585		6,954.9523
Total	**1.4495**	**37.0389**	**8.1797**	**0.0657**	**1.0369**	**0.0394**	**1.0763**	**0.2799**	**0.0375**	**0.3174**		**6,928.5050**	**6,928.5050**	**1.0585**	**0.0000**	**6,954.9675**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/2/2019	1/15/2019	5	10	
2	Site Preparation	Site Preparation	1/16/2019	1/28/2019	5	9	
3	Grading	Grading	1/29/2019	7/31/2019	5	132	
4	Building Construction	Building Construction	8/1/2019	11/1/2019	5	67	
5	Paving	Paving	8/1/2019	11/1/2019	5	67	
6	Architectural Coating	Architectural Coating	11/2/2019	12/19/2019	5	34	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 169,884 (Architectural Coating – sqft)

OffRoad Equipment

16-057 San Bernardino Fed/Ex Holly Streey Project - San Bernardino-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	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	2	8.00	212	0.43
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	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	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
Site Preparation	Crawler Tractors	4	8.00	212	0.43

Trips and VMT

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	1,039.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	37,250.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	313.00	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	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2019

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					8.4162	0.0000	8.4162	1.2743	0.0000	1.2743			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**	**8.4162**	**1.7949**	**10.2111**	**1.2743**	**1.6697**	**2.9440**		**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.2 Demolition - 2019

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	0.7271	27.6131	4.5551	0.0803	1.8184	0.0936	1.9120	0.4986	0.0896	0.5881		8,515.0792	8,515.0792	0.5208		8,528.0992
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	0.0888	0.0623	0.6157	1.5800e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		156.9571	156.9571	5.1500e-003		157.0858
Total	**0.8159**	**27.6753**	**5.1708**	**0.0818**	**1.9861**	**0.0947**	**2.0808**	**0.5430**	**0.0906**	**0.6336**		**8,672.0363**	**8,672.0363**	**0.5260**		**8,685.1850**

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					3.2823	0.0000	3.2823	0.4970	0.0000	0.4970			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**0.4623**	**2.0032**	**23.2798**	**0.0388**	**3.2823**	**0.0616**	**3.3440**	**0.4970**	**0.0616**	**0.5586**	**0.0000**	**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.2 Demolition - 2019

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	0.7271	27.6131	4.5551	0.0803	1.8184	0.0936	1.9120	0.4986	0.0896	0.5881		8,515.0792	8,515.0792	0.5208		8,528.0992
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	0.0888	0.0623	0.6157	1.5800e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		156.9571	156.9571	5.1500e-003		157.0858
Total	**0.8159**	**27.6753**	**5.1708**	**0.0818**	**1.9861**	**0.0947**	**2.0808**	**0.5430**	**0.0906**	**0.6336**		**8,672.0363**	**8,672.0363**	**0.5260**		**8,685.1850**

3.3 Site Preparation - 2019

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.8450	68.1996	23.1708	0.0570		2.9720	2.9720		2.7343	2.7343		5,645.4173	5,645.4173	1.7862		5,690.0710
Total	**5.8450**	**68.1996**	**23.1708**	**0.0570**	**18.0663**	**2.9720**	**21.0383**	**9.9307**	**2.7343**	**12.6649**		**5,645.4173**	**5,645.4173**	**1.7862**		**5,690.0710**

3.3 Site Preparation - 2019

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	0.1066	0.0747	0.7388	1.8900e-003	0.2012	1.3500e-003	0.2026	0.0534	1.2500e-003	0.0546		188.3485	188.3485	6.1800e-003		188.5030
Total	**0.1066**	**0.0747**	**0.7388**	**1.8900e-003**	**0.2012**	**1.3500e-003**	**0.2026**	**0.0534**	**1.2500e-003**	**0.0546**		**188.3485**	**188.3485**	**6.1800e-003**		**188.5030**

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	2.0766	23.3351	23.0831	0.0570		0.8667	0.8667		0.8021	0.8021	0.0000	5,645.4173	5,645.4173	1.7862		5,690.0710
Total	**2.0766**	**23.3351**	**23.0831**	**0.0570**	**7.0458**	**0.8667**	**7.9125**	**3.8730**	**0.8021**	**4.6750**	**0.0000**	**5,645.4173**	**5,645.4173**	**1.7862**		**5,690.0710**

3.3 Site Preparation - 2019

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	0.1066	0.0747	0.7388	1.8900e-003	0.2012	1.3500e-003	0.2026	0.0534	1.2500e-003	0.0546		188.3485	188.3485	6.1800e-003		188.5030
Total	**0.1066**	**0.0747**	**0.7388**	**1.8900e-003**	**0.2012**	**1.3500e-003**	**0.2026**	**0.0534**	**1.2500e-003**	**0.0546**		**188.3485**	**188.3485**	**6.1800e-003**		**188.5030**

3.4 Grading - 2019

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					8.4868	0.0000	8.4868	3.5875	0.0000	3.5875			0.0000			0.0000
Off-Road	5.4939	65.8336	33.9306	0.0715		2.6735	2.6735		2.4596	2.4596		7,079.5017	7,079.5017	2.2399		7,135.4987
Total	**5.4939**	**65.8336**	**33.9306**	**0.0715**	**8.4868**	**2.6735**	**11.1603**	**3.5875**	**2.4596**	**6.0471**		**7,079.5017**	**7,079.5017**	**2.2399**		**7,135.4987**

3.4 Grading - 2019

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	1.9748	74.9983	12.3719	0.2180	4.9388	0.2543	5.1931	1.3541	0.2433	1.5974		23,127.3295	23,127.3295	1.4145		23,162.6925
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	0.1184	0.0830	0.8209	2.1000e-003	0.2236	1.5000e-003	0.2251	0.0593	1.3800e-003	0.0607		209.2761	209.2761	6.8700e-003		209.4478
Total	**2.0932**	**75.0813**	**13.1928**	**0.2201**	**5.1624**	**0.2558**	**5.4182**	**1.4134**	**0.2446**	**1.6580**		**23,336.6057**	**23,336.6057**	**1.4214**		**23,372.1402**

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					3.3098	0.0000	3.3098	1.3991	0.0000	1.3991			0.0000			0.0000
Off-Road	1.5671	13.9588	34.1062	0.0715		0.5039	0.5039		0.4715	0.4715	0.0000	7,079.5017	7,079.5017	2.2399		7,135.4987
Total	**1.5671**	**13.9588**	**34.1062**	**0.0715**	**3.3098**	**0.5039**	**3.8137**	**1.3991**	**0.4715**	**1.8707**	**0.0000**	**7,079.5017**	**7,079.5017**	**2.2399**		**7,135.4987**

3.4 Grading - 2019

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	1.9748	74.9983	12.3719	0.2180	4.9388	0.2543	5.1931	1.3541	0.2433	1.5974		23,127.3295	23,127.3295	1.4145		23,162.6925
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	0.1184	0.0830	0.8209	2.1000e-003	0.2236	1.5000e-003	0.2251	0.0593	1.3800e-003	0.0607		209.2761	209.2761	6.8700e-003		209.4478
Total	**2.0932**	**75.0813**	**13.1928**	**0.2201**	**5.1624**	**0.2558**	**5.4182**	**1.4134**	**0.2446**	**1.6580**		**23,336.6057**	**23,336.6057**	**1.4214**		**23,372.1402**

3.5 Building Construction - 2019

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.5 Building Construction - 2019

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	1.1788	35.8341	8.4272	0.0823	2.0047	0.2284	2.2331	0.5772	0.2185	0.7957		8,668.5050	8,668.5050	0.6725		8,685.3172
Worker	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
Total	**1.1788**	**35.8341**	**8.4272**	**0.0823**	**2.0047**	**0.2284**	**2.2331**	**0.5772**	**0.2185**	**0.7957**		**8,668.5050**	**8,668.5050**	**0.6725**		**8,685.3172**

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	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
Total	**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**

3.5 Building Construction - 2019

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	1.1788	35.8341	8.4272	0.0823	2.0047	0.2284	2.2331	0.5772	0.2185	0.7957		8,668.5050	8,668.5050	0.6725		8,685.3172
Worker	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
Total	**1.1788**	**35.8341**	**8.4272**	**0.0823**	**2.0047**	**0.2284**	**2.2331**	**0.5772**	**0.2185**	**0.7957**		**8,668.5050**	**8,668.5050**	**0.6725**		**8,685.3172**

3.6 Paving - 2019

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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	1.2122					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.6667**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**		**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

3.6 Paving - 2019

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	0.0888	0.0623	0.6157	1.5800e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		156.9571	156.9571	5.1500e-003		157.0858
Total	**0.0888**	**0.0623**	**0.6157**	**1.5800e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0400e-003**	**0.0455**		**156.9571**	**156.9571**	**5.1500e-003**		**157.0858**

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	1.2122					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4927**	**1.2154**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

3.6 Paving - 2019

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	0.0888	0.0623	0.6157	1.5800e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		156.9571	156.9571	5.1500e-003		157.0858
Total	**0.0888**	**0.0623**	**0.6157**	**1.5800e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0400e-003**	**0.0455**		**156.9571**	**156.9571**	**5.1500e-003**		**157.0858**

3.7 Architectural Coating - 2019

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	23.1592					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**23.4256**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

3.7 Architectural Coating - 2019

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	0.0592	0.0415	0.4105	1.0500e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		104.6381	104.6381	3.4300e-003		104.7239
Total	**0.0592**	**0.0415**	**0.4105**	**1.0500e-003**	**0.1118**	**7.5000e-004**	**0.1125**	**0.0296**	**6.9000e-004**	**0.0303**		**104.6381**	**104.6381**	**3.4300e-003**		**104.7239**

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	23.1592					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**23.1889**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

3.7 Architectural Coating - 2019

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	0.0592	0.0415	0.4105	1.0500e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		104.6381	104.6381	3.4300e-003		104.7239
Total	**0.0592**	**0.0415**	**0.4105**	**1.0500e-003**	**0.1118**	**7.5000e-004**	**0.1125**	**0.0296**	**6.9000e-004**	**0.0303**		**104.6381**	**104.6381**	**3.4300e-003**		**104.7239**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	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	1.2331	37.0388	8.1730	0.0657	1.0369	0.0394	1.0763	0.2799	0.0375	0.3174		6,928.4908	6,928.4908	1.0585		6,954.9523
Unmitigated	1.2331	37.0388	8.1730	0.0657	1.0369	0.0394	1.0763	0.2799	0.0375	0.3174		6,928.4908	6,928.4908	1.0585		6,954.9523

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	604.50	604.50	604.50	462,080	462,080
Total	604.50	604.50	604.50	462,080	462,080

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	2.10	2.10	2.10	0.00	0.00	100.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.306000	0.028000	0.090000	0.076000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.306000	0.028000	0.090000	0.076000	0.000000	0.000000	0.000000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	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

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					
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
Total		**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**

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					
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
Total		**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**

6.0 Area Detail

6.1 Mitigation Measures Area

	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	0.2164	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0152
Unmitigated	0.2164	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0152

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	0.2157					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0000e-005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.3000e-004	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0152
Total	**0.2164**	**6.0000e-005**	**6.6800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0142**	**0.0142**	**4.0000e-005**		**0.0152**

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	0.2157					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0000e-005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.3000e-004	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0152
Total	**0.2164**	**6.0000e-005**	**6.6800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0142**	**0.0142**	**4.0000e-005**		**0.0152**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing MX MIlestone Raceway

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	65.00	Acre	65.00	2,831,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	514	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE submission to EEI for 2017

Land Use -

Construction Phase - Operations ONly

Off-road Equipment - Operations Only

Trips and VMT - Operations Only

Vehicle Trips - OPerations Only. Trip Generation from EPD Memo 12/13/2018

Fleet Mix - Facility trips assumed to be LDA, LDT1, LDT2, and MDV. Percentrged derived from EMFAC VMT rates

Existing MX MIlestone Raceway - San Bernardino-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	0.06	0.00
tblFleetMix	LDA	0.55	0.61
tblFleetMix	LDT1	0.04	0.06
tblFleetMix	LDT2	0.18	0.18
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.4600e-003	0.00
tblFleetMix	MCY	6.1170e-003	0.00
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	SBUS	8.1700e-004	0.00
tblFleetMix	UBUS	1.6570e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	514
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TTP	33.00	100.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	ST_TR	22.75	3.94
tblVehicleTrips	SU_TR	16.74	3.94
tblVehicleTrips	WD_TR	1.89	3.94

2.0 Emissions Summary

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					
2018	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
2019	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
Maximum	**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**

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					
2018	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
2019	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
Maximum	**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**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**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)
		Highest		

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	0.0267	1.0000e-005	8.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6100e-003	1.6100e-003	0.0000	0.0000	1.7200e-003
Energy	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
Mobile	0.0818	0.1784	1.7144	5.4700e-003	0.5745	3.2800e-003	0.5777	0.1522	3.0200e-003	0.1552	0.0000	494.3854	494.3854	0.0123	0.0000	494.6937
Waste						0.0000	0.0000		0.0000	0.0000	1.1347	0.0000	1.1347	0.0671	0.0000	2.8112
Water						0.0000	0.0000		0.0000	0.0000	0.0000	200.6058	200.6058	0.0113	2.3400e-003	201.5866
Total	**0.1085**	**0.1784**	**1.7152**	**5.4700e-003**	**0.5745**	**3.2800e-003**	**0.5777**	**0.1522**	**3.0200e-003**	**0.1552**	**1.1347**	**694.9928**	**696.1275**	**0.0907**	**2.3400e-003**	**699.0932**

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	0.0267	1.0000e-005	8.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6100e-003	1.6100e-003	0.0000	0.0000	1.7200e-003
Energy	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
Mobile	0.0818	0.1784	1.7144	5.4700e-003	0.5745	3.2800e-003	0.5777	0.1522	3.0200e-003	0.1552	0.0000	494.3854	494.3854	0.0123	0.0000	494.6937
Waste						0.0000	0.0000		0.0000	0.0000	1.1347	0.0000	1.1347	0.0671	0.0000	2.8112
Water						0.0000	0.0000		0.0000	0.0000	0.0000	200.6058	200.6058	0.0113	2.3400e-003	201.5866
Total	**0.1085**	**0.1784**	**1.7152**	**5.4700e-003**	**0.5745**	**3.2800e-003**	**0.5777**	**0.1522**	**3.0200e-003**	**0.1552**	**1.1347**	**694.9928**	**696.1275**	**0.0907**	**2.3400e-003**	**699.0932**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	12/17/2018	2/8/2019	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

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
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2018

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	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
Total	**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**

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	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
Total	**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**

3.2 Site Preparation - 2018

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	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
Total	**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**

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	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
Total	**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**

3.2 Site Preparation - 2019

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	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
Total	**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**

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	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
Total	**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**

3.2 Site Preparation - 2019

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	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
Total	**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**

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	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
Total	**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**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	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	0.0818	0.1784	1.7144	5.4700e-003	0.5745	3.2800e-003	0.5777	0.1522	3.0200e-003	0.1552	0.0000	494.3854	494.3854	0.0123	0.0000	494.6937
Unmitigated	0.0818	0.1784	1.7144	5.4700e-003	0.5745	3.2800e-003	0.5777	0.1522	3.0200e-003	0.1552	0.0000	494.3854	494.3854	0.0123	0.0000	494.6937

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	256.10	256.10	256.10	1,547,459	1,547,459
Total	256.10	256.10	256.10	1,547,459	1,547,459

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
City Park	16.60	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.613000	0.055000	0.181000	0.122965	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	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	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	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
NaturalGas Unmitigated	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

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					
City Park	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
Total		**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**

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					
City Park	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
Total		**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**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	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	0.0267	1.0000e-005	8.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6100e-003	1.6100e-003	0.0000	0.0000	1.7200e-003
Unmitigated	0.0267	1.0000e-005	8.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6100e-003	1.6100e-003	0.0000	0.0000	1.7200e-003

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0266					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	8.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6100e-003	1.6100e-003	0.0000	0.0000	1.7200e-003
Total	**0.0267**	**1.0000e-005**	**8.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.6100e-003**	**1.6100e-003**	**0.0000**	**0.0000**	**1.7200e-003**

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0266					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	8.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6100e-003	1.6100e-003	0.0000	0.0000	1.7200e-003
Total	**0.0267**	**1.0000e-005**	**8.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.6100e-003**	**1.6100e-003**	**0.0000**	**0.0000**	**1.7200e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	200.6058	0.0113	2.3400e-003	201.5866
Unmitigated	200.6058	0.0113	2.3400e-003	201.5866

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 77.4463	200.6058	0.0113	2.3400e-003	201.5866
Total		**200.6058**	**0.0113**	**2.3400e-003**	**201.5866**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 77.4463	200.6058	0.0113	2.3400e-003	201.5866
Total		**200.6058**	**0.0113**	**2.3400e-003**	**201.5866**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.1347	0.0671	0.0000	2.8112
Unmitigated	1.1347	0.0671	0.0000	2.8112

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	5.59	1.1347	0.0671	0.0000	2.8112
Total		**1.1347**	**0.0671**	**0.0000**	**2.8112**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	5.59	1.1347	0.0671	0.0000	2.8112
Total		**1.1347**	**0.0671**	**0.0000**	**2.8112**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix B:
Health Risk Assessment Output

Appendix B

	Page
Construction DPM Emissions	1
AERMOD Model DPM Construction Concentration Output	2
Operational DPM Emissions (Onsite and Offsite)	45
AERMOD Model DPM Operational Concentration Output	55
Estimates of Cancer Risk from Construction and Operation DPM Emissions	115

San Bernardino FedEx/Holly Street Project

1/9/2019

Estimation of Annual Construction DPM Emissions (With Mitigation)

Year: 2019

Hours/year **8760**

Size of the Construction area source: **258673 sq-meters**

Onsite		**Onsite**	**Onsite**	**Onsite**
	Construction Activity	**(tons/year)**	**(pounds/hr)**	**(g/m2-sec)**
	All Activities	0.0636	0.01452	7.079E-09
	Total	0.0636	0.01452	7.079E-09

Note: to maximize the potential construction impacts, all offsite emissions were added into the onsite emission totals and emissions' from 2019

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58

PAGE 1

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 1 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2200000.0 ; 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: 1 Source(s); 1 Source Group(s); and 1174 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE 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) = 245.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

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

**Detailed Error/Message File: HollyConstruction_01092019.err
**File for Summary of Results: HollyConstruction_01092019.sum
*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58
PAGE 2
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	OF VERTS.	SZ (METERS)	SOURCE BASE	RELEASE HEIGHT	NUMBER OF VERTS.	INIT. SZ	URBAN SOURCE	SCALAR VARY BY
PAREA1	0	0.70790E-08	465538.9	3764535.3	269.6	5.00	9	0.00					YES	

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58
PAGE 3
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	PAREA1 ,

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 ***

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
2200000.	PAREA1	,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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(464549.2, 3763916.3,	266.8,	529.0,	0.0);	(464649.2, 3763916.3,	269.0,	529.0,	0.0);
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(465749.2, 3763916.3,	249.0,	249.0,	0.0);	(465849.2, 3763916.3,	249.0,	249.0,	0.0);
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(466349.2, 3764016.3, 252.4, 252.4, 0.0); (466449.2, 3764016.3, 253.0, 253.0, 0.0);

(466549.2, 3764016.3, 253.0, 253.0, 0.0); (466649.2, 3764016.3, 253.0, 253.0, 0.0);

(466749.2, 3764016.3, 253.0, 253.0, 0.0); (466849.2, 3764016.3, 253.0, 253.0, 0.0);

(466949.2, 3764016.3, 253.0, 253.0, 0.0); (467049.2, 3764016.3, 253.0, 253.0, 0.0);

(467149.2, 3764016.3, 253.0, 253.0, 0.0); (464249.2, 3764116.3, 256.7, 529.0, 0.0);
(464349.2, 3764116.3, 258.0, 529.0, 0.0); (464449.2, 3764116.3, 261.3, 529.0, 0.0);
(464549.2, 3764116.3, 270.3, 529.0, 0.0); (464649.2, 3764116.3, 273.0, 529.0, 0.0);
(464749.2, 3764116.3, 274.3, 529.0, 0.0); (464849.2, 3764116.3, 269.7, 529.0, 0.0);
(464949.2, 3764116.3, 268.0, 529.0, 0.0); (465049.2, 3764116.3, 270.0, 270.0, 0.0);
(465149.2, 3764116.3, 267.4, 267.4, 0.0); (465249.2, 3764116.3, 266.0, 266.0, 0.0);
(465349.2, 3764116.3, 266.0, 266.0, 0.0); (465449.2, 3764116.3, 262.0, 264.0, 0.0);
(465549.2, 3764116.3, 249.0, 272.0, 0.0); (465649.2, 3764116.3, 249.0, 249.0, 0.0);
(465749.2, 3764116.3, 250.0, 250.0, 0.0); (465849.2, 3764116.3, 250.0, 250.0, 0.0);
(465949.2, 3764116.3, 250.0, 250.0, 0.0); (466049.2, 3764116.3, 251.0, 251.0, 0.0);
(466149.2, 3764116.3, 251.0, 251.0, 0.0); (466249.2, 3764116.3, 251.0, 251.0, 0.0);
(466349.2, 3764116.3, 253.0, 253.0, 0.0); (466449.2, 3764116.3, 253.0, 253.0, 0.0);
(466549.2, 3764116.3, 253.0, 253.0, 0.0); (466649.2, 3764116.3, 253.0, 253.0, 0.0);
(466749.2, 3764116.3, 254.0, 254.0, 0.0); (466849.2, 3764116.3, 254.0, 254.0, 0.0);
(466949.2, 3764116.3, 254.0, 254.0, 0.0); (467049.2, 3764116.3, 254.0, 254.0, 0.0);

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58

PAGE 6

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(467149.2, 3764116.3, 254.0, 254.0, 0.0); (464249.2, 3764216.3, 256.3, 529.0, 0.0);

(464349.2, 3764216.3, 258.0, 529.0, 0.0); (464449.2, 3764216.3, 266.1, 529.0, 0.0);

(464549.2, 3764216.3, 276.8, 529.0, 0.0); (464649.2, 3764216.3, 274.0, 529.0, 0.0);

(464749.2, 3764216.3, 282.0, 529.0, 0.0); (464849.2, 3764216.3, 272.4, 529.0, 0.0);

(464949.2, 3764216.3, 268.0, 529.0, 0.0); (465049.2, 3764216.3, 271.3, 271.3, 0.0);

(465149.2, 3764216.3, 266.9, 266.9, 0.0); (465249.2, 3764216.3, 268.3, 268.3, 0.0);

(465349.2, 3764216.3, 270.7, 270.7, 0.0); (465449.2, 3764216.3, 265.7, 269.0, 0.0);

(465549.2, 3764216.3, 253.4, 274.0, 0.0); (465649.2, 3764216.3, 250.0, 250.0, 0.0);

(465749.2, 3764216.3, 250.0, 250.0, 0.0); (465849.2, 3764216.3, 250.0, 250.0, 0.0);

(465949.2, 3764216.3, 251.0, 251.0, 0.0); (466049.2, 3764216.3, 251.0, 251.0, 0.0);

(466149.2, 3764216.3, 252.0, 252.0, 0.0); (466249.2, 3764216.3, 252.3, 252.3, 0.0);

(466349.2, 3764216.3, 253.0, 253.0, 0.0); (466449.2, 3764216.3, 254.0, 254.0, 0.0);

(466549.2, 3764216.3, 254.0, 254.0, 0.0); (466649.2, 3764216.3, 254.0, 254.0, 0.0);

(466749.2, 3764216.3, 254.0, 254.0, 0.0); (466849.2, 3764216.3, 255.0, 255.0, 0.0);

(466949.2, 3764216.3, 255.0, 255.0, 0.0); (467049.2, 3764216.3, 254.3, 254.3, 0.0);

(467149.2, 3764216.3, 254.0, 447.0, 0.0); (464249.2, 3764316.3, 260.6, 529.0, 0.0);

(464349.2, 3764316.3, 260.7, 529.0, 0.0); (464449.2, 3764316.3, 283.8, 529.0, 0.0);

(464549.2, 3764316.3, 284.2, 529.0, 0.0); (464649.2, 3764316.3, 273.0, 529.0, 0.0);

(464749.2, 3764316.3, 280.2, 529.0, 0.0); (464849.2, 3764316.3, 273.5, 529.0, 0.0);

(464949.2, 3764316.3, 268.7, 529.0, 0.0); (465049.2, 3764316.3, 270.3, 363.0, 0.0);

(465149.2, 3764316.3, 268.2, 363.0, 0.0); (465249.2, 3764316.3, 270.7, 270.7, 0.0);

(465349.2, 3764316.3, 273.7, 273.7, 0.0); (465449.2, 3764316.3, 269.5, 269.5, 0.0);

(465549.2, 3764316.3, 256.0, 274.0, 0.0); (465649.2, 3764316.3, 251.4, 251.4, 0.0);

(465749.2, 3764316.3, 251.0, 251.0, 0.0); (465849.2, 3764316.3, 251.0, 251.0, 0.0);

(465949.2, 3764316.3, 251.0, 251.0, 0.0); (466049.2, 3764316.3, 251.0, 251.0, 0.0);

(466149.2, 3764316.3, 252.0, 252.0, 0.0); (466249.2, 3764316.3, 253.0, 253.0, 0.0);

(466349.2, 3764316.3, 253.0, 253.0, 0.0); (466449.2, 3764316.3, 254.0, 254.0, 0.0);

(466549.2, 3764316.3, 254.0, 254.0, 0.0); (466649.2, 3764316.3, 254.0, 254.0, 0.0);

(466749.2, 3764316.3, 255.0, 255.0, 0.0); (466849.2, 3764316.3, 255.0, 255.0, 0.0);

(466949.2, 3764316.3, 255.0, 255.0, 0.0); (467049.2, 3764316.3, 255.0, 447.0, 0.0);

(467149.2, 3764316.3, 255.0, 447.0, 0.0); (464249.2, 3764416.3, 263.7, 529.0, 0.0);

(464349.2, 3764416.3, 265.0, 529.0, 0.0); (464449.2, 3764416.3, 275.2, 529.0, 0.0);

(464549.2, 3764416.3, 277.0, 529.0, 0.0); (464649.2, 3764416.3, 273.0, 529.0, 0.0);

(464749.2, 3764416.3, 273.3, 529.0, 0.0); (464849.2, 3764416.3, 271.4, 529.0, 0.0);

(464949.2, 3764416.3, 269.0, 529.0, 0.0); (465049.2, 3764416.3, 270.3, 363.0, 0.0);

(465149.2, 3764416.3, 269.4, 363.0, 0.0); (465249.2, 3764416.3, 272.0, 272.0, 0.0);

(465349.2, 3764416.3, 274.0, 274.0, 0.0); (465449.2, 3764416.3, 271.0, 273.0, 0.0);

(465549.2, 3764416.3, 255.1, 274.0, 0.0); (465849.2, 3764416.3, 251.0, 251.0, 0.0);

(465949.2, 3764416.3, 251.0, 251.0, 0.0); (466049.2, 3764416.3, 252.0, 252.0, 0.0);

(466149.2, 3764416.3, 252.0, 252.0, 0.0); (466249.2, 3764416.3, 253.0, 253.0, 0.0);

(466349.2, 3764416.3, 253.0, 253.0, 0.0); (466449.2, 3764416.3, 255.0, 255.0, 0.0);

(466549.2, 3764416.3, 255.0, 255.0, 0.0); (466649.2, 3764416.3, 254.0, 254.0, 0.0);

(466749.2, 3764416.3, 255.0, 255.0, 0.0); (466849.2, 3764416.3, 255.0, 255.0, 0.0);

(466949.2, 3764416.3, 255.0, 447.0, 0.0); (467049.2, 3764416.3, 255.0, 447.0, 0.0);

(467149.2, 3764416.3, 255.0, 447.0, 0.0); (464249.2, 3764516.3, 264.7, 529.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(464349.2, 3764516.3, 267.3, 529.0, 0.0); (464449.2, 3764516.3, 270.6, 529.0, 0.0);

(464549.2, 3764516.3, 273.0, 529.0, 0.0); (464649.2, 3764516.3, 273.0, 529.0, 0.0);

(464749.2, 3764516.3, 273.0, 529.0, 0.0); (464849.2, 3764516.3, 270.4, 529.0, 0.0);

(464949.2, 3764516.3, 269.0, 529.0, 0.0); (465049.2, 3764516.3, 270.3, 363.0, 0.0);

(465149.2, 3764516.3, 270.4, 363.0, 0.0); (465249.2, 3764516.3, 271.0, 363.0, 0.0);

(465349.2, 3764516.3, 274.0, 274.0, 0.0); (465449.2, 3764516.3, 271.6, 271.6, 0.0);

(465549.2, 3764516.3, 268.0, 268.0, 0.0); (465949.2, 3764516.3, 251.5, 251.5, 0.0);

(466049.2, 3764516.3, 252.0, 252.0, 0.0); (466149.2, 3764516.3, 252.3, 252.3, 0.0);
(466249.2, 3764516.3, 253.0, 253.0, 0.0); (466349.2, 3764516.3, 253.8, 253.8, 0.0);
(466449.2, 3764516.3, 255.0, 255.0, 0.0); (466549.2, 3764516.3, 255.0, 255.0, 0.0);
(466649.2, 3764516.3, 254.3, 254.3, 0.0); (466749.2, 3764516.3, 255.0, 255.0, 0.0);
(466849.2, 3764516.3, 255.1, 255.1, 0.0); (466949.2, 3764516.3, 255.3, 447.0, 0.0);
(467049.2, 3764516.3, 256.0, 447.0, 0.0); (467149.2, 3764516.3, 255.3, 447.0, 0.0);
(464249.2, 3764616.3, 266.7, 529.0, 0.0); (464349.2, 3764616.3, 271.6, 529.0, 0.0);
(464449.2, 3764616.3, 273.7, 529.0, 0.0); (464549.2, 3764616.3, 273.0, 529.0, 0.0);
(464649.2, 3764616.3, 273.0, 529.0, 0.0); (464749.2, 3764616.3, 272.0, 529.0, 0.0);
(464849.2, 3764616.3, 270.8, 529.0, 0.0); (464949.2, 3764616.3, 270.0, 529.0, 0.0);
(465049.2, 3764616.3, 270.1, 440.0, 0.0); (465149.2, 3764616.3, 270.8, 363.0, 0.0);
(465249.2, 3764616.3, 272.7, 363.0, 0.0); (465349.2, 3764616.3, 273.9, 363.0, 0.0);
(465449.2, 3764616.3, 272.2, 272.2, 0.0); (465549.2, 3764616.3, 269.0, 269.0, 0.0);
(465949.2, 3764616.3, 252.0, 252.0, 0.0); (466049.2, 3764616.3, 252.4, 252.4, 0.0);
(466149.2, 3764616.3, 253.0, 253.0, 0.0); (466249.2, 3764616.3, 253.0, 253.0, 0.0);
(466349.2, 3764616.3, 254.0, 254.0, 0.0); (466449.2, 3764616.3, 255.0, 255.0, 0.0);
(466549.2, 3764616.3, 255.7, 255.7, 0.0); (466649.2, 3764616.3, 255.7, 255.7, 0.0);
(466749.2, 3764616.3, 255.7, 255.7, 0.0); (466849.2, 3764616.3, 256.0, 447.0, 0.0);
(466949.2, 3764616.3, 256.0, 447.0, 0.0); (467049.2, 3764616.3, 256.0, 447.0, 0.0);
(467149.2, 3764616.3, 256.0, 447.0, 0.0); (464249.2, 3764716.3, 273.0, 529.0, 0.0);
(464349.2, 3764716.3, 292.0, 529.0, 0.0); (464449.2, 3764716.3, 274.2, 529.0, 0.0);
(464549.2, 3764716.3, 274.4, 529.0, 0.0); (464649.2, 3764716.3, 273.0, 529.0, 0.0);
(464749.2, 3764716.3, 272.0, 529.0, 0.0); (464849.2, 3764716.3, 271.0, 529.0, 0.0);
(464949.2, 3764716.3, 271.0, 529.0, 0.0); (465049.2, 3764716.3, 271.0, 440.0, 0.0);
(465149.2, 3764716.3, 271.7, 363.0, 0.0); (465249.2, 3764716.3, 273.0, 363.0, 0.0);
(465349.2, 3764716.3, 275.3, 363.0, 0.0); (465449.2, 3764716.3, 273.3, 273.3, 0.0);
(465549.2, 3764716.3, 271.0, 271.0, 0.0); (466049.2, 3764716.3, 253.0, 253.0, 0.0);
(466149.2, 3764716.3, 253.0, 253.0, 0.0); (466249.2, 3764716.3, 253.0, 253.0, 0.0);

(466349.2, 3764716.3, 254.0, 254.0, 0.0); (466449.2, 3764716.3, 255.0, 255.0, 0.0);

(466549.2, 3764716.3, 256.0, 256.0, 0.0); (466649.2, 3764716.3, 256.0, 256.0, 0.0);

(466749.2, 3764716.3, 256.0, 447.0, 0.0); (466849.2, 3764716.3, 256.0, 447.0, 0.0);

(466949.2, 3764716.3, 256.0, 447.0, 0.0); (467049.2, 3764716.3, 256.0, 447.0, 0.0);

(467149.2, 3764716.3, 256.0, 447.0, 0.0); (464249.2, 3764816.3, 281.6, 529.0, 0.0);

(464349.2, 3764816.3, 295.7, 529.0, 0.0); (464449.2, 3764816.3, 241.5, 529.0, 0.0);

(464549.2, 3764816.3, 281.1, 529.0, 0.0); (464649.2, 3764816.3, 276.7, 529.0, 0.0);

(464749.2, 3764816.3, 274.7, 529.0, 0.0); (464849.2, 3764816.3, 272.3, 529.0, 0.0);

(464949.2, 3764816.3, 272.0, 529.0, 0.0); (465049.2, 3764816.3, 272.0, 440.0, 0.0);

(465149.2, 3764816.3, 272.2, 363.0, 0.0); (465249.2, 3764816.3, 274.0, 363.0, 0.0);

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58

PAGE 8

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(465349.2, 3764816.3, 276.5, 363.0, 0.0); (465449.2, 3764816.3, 274.7, 274.7, 0.0);

(465549.2, 3764816.3, 271.3, 271.3, 0.0); (466149.2, 3764816.3, 253.3, 253.3, 0.0);

(466249.2, 3764816.3, 254.2, 254.2, 0.0); (466349.2, 3764816.3, 254.3, 254.3, 0.0);

(466449.2, 3764816.3, 256.0, 256.0, 0.0); (466549.2, 3764816.3, 255.8, 255.8, 0.0);

(466649.2, 3764816.3, 256.0, 256.0, 0.0); (466749.2, 3764816.3, 256.0, 447.0, 0.0);

(466849.2, 3764816.3, 256.3, 447.0, 0.0); (466949.2, 3764816.3, 257.0, 447.0, 0.0);

(467049.2, 3764816.3, 257.0, 447.0, 0.0); (467149.2, 3764816.3, 256.5, 447.0, 0.0);

(464249.2, 3764916.3, 276.8, 529.0, 0.0); (464349.2, 3764916.3, 275.7, 529.0, 0.0);

(464449.2, 3764916.3, 229.1, 529.0, 0.0); (464549.2, 3764916.3, 291.1, 529.0, 0.0);

(464649.2, 3764916.3, 286.4, 529.0, 0.0); (464749.2, 3764916.3, 283.4, 529.0, 0.0);

(464849.2, 3764916.3, 278.6, 529.0, 0.0); (464949.2, 3764916.3, 273.0, 440.0, 0.0);

(465049.2, 3764916.3, 272.7, 440.0, 0.0); (465149.2, 3764916.3, 273.0, 363.0, 0.0);

(465249.2, 3764916.3, 275.0, 363.0, 0.0); (465349.2, 3764916.3, 277.3, 363.0, 0.0);
(465449.2, 3764916.3, 277.0, 277.0, 0.0); (465549.2, 3764916.3, 273.7, 273.7, 0.0);
(466249.2, 3764916.3, 255.0, 255.0, 0.0); (466349.2, 3764916.3, 255.0, 255.0, 0.0);
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(466649.2, 3764916.3, 256.0, 256.0, 0.0); (466749.2, 3764916.3, 256.7, 447.0, 0.0);
(466849.2, 3764916.3, 257.0, 447.0, 0.0); (466949.2, 3764916.3, 257.0, 447.0, 0.0);
(467049.2, 3764916.3, 257.0, 447.0, 0.0); (467149.2, 3764916.3, 257.0, 447.0, 0.0);
(464249.2, 3765016.3, 273.0, 529.0, 0.0); (464349.2, 3765016.3, 271.0, 529.0, 0.0);
(464449.2, 3765016.3, 250.0, 529.0, 0.0); (464549.2, 3765016.3, 332.8, 363.0, 0.0);
(464649.2, 3765016.3, 318.2, 440.0, 0.0); (464749.2, 3765016.3, 280.0, 529.0, 0.0);
(464849.2, 3765016.3, 279.4, 440.0, 0.0); (464949.2, 3765016.3, 273.0, 440.0, 0.0);
(465049.2, 3765016.3, 273.0, 440.0, 0.0); (465149.2, 3765016.3, 273.7, 363.0, 0.0);
(465249.2, 3765016.3, 276.0, 363.0, 0.0); (465349.2, 3765016.3, 277.0, 363.0, 0.0);
(465449.2, 3765016.3, 276.4, 363.0, 0.0); (465549.2, 3765016.3, 275.0, 275.0, 0.0);
(466049.2, 3765016.3, 254.0, 254.0, 0.0); (466149.2, 3765016.3, 253.0, 253.0, 0.0);
(466249.2, 3765016.3, 253.3, 253.3, 0.0); (466349.2, 3765016.3, 255.0, 255.0, 0.0);
(466449.2, 3765016.3, 255.0, 255.0, 0.0); (466549.2, 3765016.3, 255.0, 255.0, 0.0);
(466649.2, 3765016.3, 256.0, 447.0, 0.0); (466749.2, 3765016.3, 256.0, 447.0, 0.0);
(466849.2, 3765016.3, 256.7, 447.0, 0.0); (466949.2, 3765016.3, 258.0, 447.0, 0.0);
(467049.2, 3765016.3, 257.0, 447.0, 0.0); (467149.2, 3765016.3, 257.3, 447.0, 0.0);

(464249.2, 3765116.3, 272.0, 529.0, 0.0); (464349.2, 3765116.3, 275.6, 529.0, 0.0);
(464449.2, 3765116.3, 235.5, 529.0, 0.0); (464549.2, 3765116.3, 312.4, 440.0, 0.0);
(464649.2, 3765116.3, 270.6, 529.0, 0.0); (464749.2, 3765116.3, 269.2, 529.0, 0.0);
(464849.2, 3765116.3, 270.7, 529.0, 0.0); (464949.2, 3765116.3, 274.4, 440.0, 0.0);
(465049.2, 3765116.3, 274.0, 440.0, 0.0); (465149.2, 3765116.3, 275.2, 363.0, 0.0);
(465249.2, 3765116.3, 278.0, 363.0, 0.0); (465349.2, 3765116.3, 278.0, 363.0, 0.0);
(465449.2, 3765116.3, 278.0, 278.0, 0.0); (465549.2, 3765116.3, 277.0, 277.0, 0.0);
(465649.2, 3765116.3, 272.5, 275.0, 0.0); (465849.2, 3765116.3, 255.0, 277.0, 0.0);
(465949.2, 3765116.3, 255.0, 255.0, 0.0); (466049.2, 3765116.3, 254.6, 254.6, 0.0);
(466149.2, 3765116.3, 255.0, 255.0, 0.0); (466249.2, 3765116.3, 253.6, 253.6, 0.0);
(466349.2, 3765116.3, 255.0, 255.0, 0.0); (466449.2, 3765116.3, 255.0, 255.0, 0.0);
(466549.2, 3765116.3, 255.0, 255.0, 0.0); (466649.2, 3765116.3, 256.0, 447.0, 0.0);
(466749.2, 3765116.3, 256.0, 447.0, 0.0); (466849.2, 3765116.3, 257.0, 447.0, 0.0);

♀ *** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 ***
01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction ***

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(466949.2, 3765116.3,	257.9,	447.0,	0.0);	(467049.2, 3765116.3,	258.0,	447.0,	0.0);
(467149.2, 3765116.3,	257.0,	447.0,	0.0);	(464249.2, 3765216.3,	272.9,	529.0,	0.0);
(464349.2, 3765216.3,	277.0,	529.0,	0.0);	(464449.2, 3765216.3,	273.4,	529.0,	0.0);
(464549.2, 3765216.3,	299.9,	440.0,	0.0);	(464649.2, 3765216.3,	296.1,	440.0,	0.0);
(464749.2, 3765216.3,	240.4,	529.0,	0.0);	(464849.2, 3765216.3,	261.4,	529.0,	0.0);
(464949.2, 3765216.3,	277.0,	440.0,	0.0);	(465049.2, 3765216.3,	276.7,	440.0,	0.0);
(465149.2, 3765216.3,	278.3,	363.0,	0.0);	(465249.2, 3765216.3,	279.0,	363.0,	0.0);
(465349.2, 3765216.3,	279.0,	363.0,	0.0);	(465449.2, 3765216.3,	279.4,	279.4,	0.0);
(465549.2, 3765216.3,	278.0,	278.0,	0.0);	(465649.2, 3765216.3,	275.9,	275.9,	0.0);
(465749.2, 3765216.3,	267.9,	277.0,	0.0);	(465849.2, 3765216.3,	255.7,	282.0,	0.0);
(465949.2, 3765216.3,	256.0,	280.0,	0.0);	(466049.2, 3765216.3,	256.0,	256.0,	0.0);
(466149.2, 3765216.3,	255.0,	255.0,	0.0);	(466249.2, 3765216.3,	255.0,	255.0,	0.0);
(466349.2, 3765216.3,	255.0,	255.0,	0.0);	(466449.2, 3765216.3,	256.0,	256.0,	0.0);
(466549.2, 3765216.3,	256.0,	256.0,	0.0);	(466649.2, 3765216.3,	256.0,	447.0,	0.0);
(466749.2, 3765216.3,	256.3,	447.0,	0.0);	(466849.2, 3765216.3,	257.0,	447.0,	0.0);
(466949.2, 3765216.3,	257.0,	447.0,	0.0);	(467049.2, 3765216.3,	257.0,	447.0,	0.0);
(467149.2, 3765216.3,	257.7,	447.0,	0.0);	(464249.2, 3765316.3,	274.0,	529.0,	0.0);
(464349.2, 3765316.3,	276.0,	529.0,	0.0);	(464449.2, 3765316.3,	280.6,	529.0,	0.0);
(464549.2, 3765316.3,	293.0,	529.0,	0.0);	(464649.2, 3765316.3,	296.0,	440.0,	0.0);
(464749.2, 3765316.3,	295.7,	440.0,	0.0);	(464849.2, 3765316.3,	287.3,	440.0,	0.0);
(464949.2, 3765316.3,	280.0,	440.0,	0.0);	(465049.2, 3765316.3,	278.3,	440.0,	0.0);
(465149.2, 3765316.3,	280.7,	363.0,	0.0);	(465249.2, 3765316.3,	281.0,	363.0,	0.0);
(465349.2, 3765316.3,	280.0,	363.0,	0.0);	(465449.2, 3765316.3,	281.0,	281.0,	0.0);
(465549.2, 3765316.3,	280.0,	280.0,	0.0);	(465649.2, 3765316.3,	278.0,	278.0,	0.0);
(465749.2, 3765316.3,	277.0,	277.0,	0.0);	(465849.2, 3765316.3,	271.9,	275.0,	0.0);

(465949.2, 3765316.3, 257.0, 282.0, 0.0); (466049.2, 3765316.3, 257.0, 280.0, 0.0);

(466149.2, 3765316.3, 256.0, 256.0, 0.0); (466249.2, 3765316.3, 256.0, 256.0, 0.0);

(466349.2, 3765316.3, 256.0, 256.0, 0.0); (466449.2, 3765316.3, 256.0, 256.0, 0.0);

(466549.2, 3765316.3, 256.0, 447.0, 0.0); (466649.2, 3765316.3, 256.0, 447.0, 0.0);

(466749.2, 3765316.3, 257.0, 447.0, 0.0); (466849.2, 3765316.3, 257.0, 447.0, 0.0);

(466949.2, 3765316.3, 258.0, 447.0, 0.0); (467049.2, 3765316.3, 258.0, 447.0, 0.0);

(467149.2, 3765316.3, 258.0, 447.0, 0.0); (464249.2, 3765416.3, 275.8, 529.0, 0.0);

(464349.2, 3765416.3, 279.0, 529.0, 0.0); (464449.2, 3765416.3, 280.9, 529.0, 0.0);

(464549.2, 3765416.3, 287.0, 529.0, 0.0); (464649.2, 3765416.3, 297.0, 440.0, 0.0);

(464749.2, 3765416.3, 292.1, 440.0, 0.0); (464849.2, 3765416.3, 292.1, 440.0, 0.0);

(464949.2, 3765416.3, 285.0, 440.0, 0.0); (465049.2, 3765416.3, 280.2, 363.0, 0.0);

(465149.2, 3765416.3, 281.0, 363.0, 0.0); (465249.2, 3765416.3, 281.0, 363.0, 0.0);

(465349.2, 3765416.3, 282.3, 282.3, 0.0); (465449.2, 3765416.3, 282.3, 282.3, 0.0);

(465549.2, 3765416.3, 281.3, 281.3, 0.0); (465649.2, 3765416.3, 280.3, 280.3, 0.0);

(465749.2, 3765416.3, 280.6, 280.6, 0.0); (465849.2, 3765416.3, 280.0, 280.0, 0.0);

(465949.2, 3765416.3, 259.8, 283.0, 0.0); (466049.2, 3765416.3, 258.8, 283.0, 0.0);

(466149.2, 3765416.3, 257.0, 283.0, 0.0); (466249.2, 3765416.3, 256.3, 256.3, 0.0);

(466349.2, 3765416.3, 256.3, 256.3, 0.0); (466449.2, 3765416.3, 257.0, 257.0, 0.0);

(466549.2, 3765416.3, 257.0, 447.0, 0.0); (466649.2, 3765416.3, 257.0, 447.0, 0.0);

(466749.2, 3765416.3, 257.0, 447.0, 0.0); (466849.2, 3765416.3, 257.0, 447.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(466949.2, 3765416.3, 258.0, 447.0, 0.0); (467049.2, 3765416.3, 258.0, 447.0, 0.0);

(467149.2, 3765416.3, 258.5, 447.0, 0.0); (464249.2, 3765516.3, 276.4, 529.0, 0.0);

(464349.2, 3765516.3, 278.0, 529.0, 0.0); (464449.2, 3765516.3, 284.8, 529.0, 0.0);

(464549.2, 3765516.3, 288.2, 489.0, 0.0); (464649.2, 3765516.3, 292.3, 489.0, 0.0);
(464749.2, 3765516.3, 289.0, 440.0, 0.0); (464849.2, 3765516.3, 285.4, 440.0, 0.0);
(464949.2, 3765516.3, 284.4, 440.0, 0.0); (465049.2, 3765516.3, 282.8, 363.0, 0.0);
(465149.2, 3765516.3, 281.4, 363.0, 0.0); (465249.2, 3765516.3, 282.0, 363.0, 0.0);
(465349.2, 3765516.3, 285.1, 285.1, 0.0); (465449.2, 3765516.3, 284.2, 284.2, 0.0);
(465549.2, 3765516.3, 284.3, 284.3, 0.0); (465649.2, 3765516.3, 284.1, 284.1, 0.0);
(465749.2, 3765516.3, 282.4, 282.4, 0.0); (465849.2, 3765516.3, 277.0, 277.0, 0.0);
(465949.2, 3765516.3, 272.7, 281.0, 0.0); (466049.2, 3765516.3, 260.2, 285.0, 0.0);
(466149.2, 3765516.3, 257.0, 285.0, 0.0); (466249.2, 3765516.3, 257.0, 283.0, 0.0);
(466349.2, 3765516.3, 257.0, 257.0, 0.0); (466449.2, 3765516.3, 257.0, 257.0, 0.0);
(466549.2, 3765516.3, 257.0, 447.0, 0.0); (466649.2, 3765516.3, 257.7, 447.0, 0.0);
(466749.2, 3765516.3, 258.0, 447.0, 0.0); (466849.2, 3765516.3, 257.2, 447.0, 0.0);
(466949.2, 3765516.3, 258.0, 447.0, 0.0); (467049.2, 3765516.3, 258.0, 447.0, 0.0);
(467149.2, 3765516.3, 259.0, 447.0, 0.0); (464249.2, 3765616.3, 277.0, 529.0, 0.0);
(464349.2, 3765616.3, 280.0, 529.0, 0.0); (464449.2, 3765616.3, 285.6, 529.0, 0.0);
(464549.2, 3765616.3, 292.4, 489.0, 0.0); (464649.2, 3765616.3, 289.0, 489.0, 0.0);
(464749.2, 3765616.3, 286.7, 489.0, 0.0); (464849.2, 3765616.3, 285.0, 440.0, 0.0);
(464949.2, 3765616.3, 284.0, 363.0, 0.0); (465049.2, 3765616.3, 282.7, 363.0, 0.0);
(465149.2, 3765616.3, 281.0, 363.0, 0.0); (465249.2, 3765616.3, 283.0, 283.0, 0.0);
(465349.2, 3765616.3, 291.0, 293.0, 0.0); (465449.2, 3765616.3, 286.0, 286.0, 0.0);
(465549.2, 3765616.3, 287.0, 287.0, 0.0); (465649.2, 3765616.3, 287.7, 287.7, 0.0);
(465749.2, 3765616.3, 284.3, 284.3, 0.0); (465849.2, 3765616.3, 282.0, 282.0, 0.0);
(465949.2, 3765616.3, 279.7, 279.7, 0.0); (466049.2, 3765616.3, 281.3, 281.3, 0.0);
(466149.2, 3765616.3, 259.1, 287.0, 0.0); (466249.2, 3765616.3, 257.3, 284.0, 0.0);
(466349.2, 3765616.3, 258.0, 258.0, 0.0); (466449.2, 3765616.3, 258.0, 258.0, 0.0);
(466549.2, 3765616.3, 258.0, 447.0, 0.0); (466649.2, 3765616.3, 258.0, 447.0, 0.0);
(466749.2, 3765616.3, 258.0, 447.0, 0.0); (466849.2, 3765616.3, 258.0, 447.0, 0.0);
(466949.2, 3765616.3, 258.0, 447.0, 0.0); (467049.2, 3765616.3, 259.0, 447.0, 0.0);

(467149.2, 3765616.3, 259.0, 447.0, 0.0); (464249.2, 3765716.3, 278.0, 529.0, 0.0);

(464349.2, 3765716.3, 280.0, 529.0, 0.0); (464449.2, 3765716.3, 286.3, 489.0, 0.0);

(464549.2, 3765716.3, 288.0, 489.0, 0.0); (464649.2, 3765716.3, 288.0, 489.0, 0.0);

(464749.2, 3765716.3, 286.0, 489.0, 0.0); (464849.2, 3765716.3, 285.0, 440.0, 0.0);

(464949.2, 3765716.3, 284.3, 363.0, 0.0); (465049.2, 3765716.3, 283.2, 283.2, 0.0);

(465149.2, 3765716.3, 281.4, 281.4, 0.0); (465249.2, 3765716.3, 284.0, 284.0, 0.0);

(465349.2, 3765716.3, 292.0, 292.0, 0.0); (465449.2, 3765716.3, 288.0, 288.0, 0.0);

(465549.2, 3765716.3, 286.0, 293.0, 0.0); (465649.2, 3765716.3, 291.8, 291.8, 0.0);

(465749.2, 3765716.3, 285.3, 285.3, 0.0); (465849.2, 3765716.3, 285.3, 285.3, 0.0);

(465949.2, 3765716.3, 284.3, 284.3, 0.0); (466049.2, 3765716.3, 283.1, 283.1, 0.0);

(466149.2, 3765716.3, 266.8, 286.0, 0.0); (466249.2, 3765716.3, 257.3, 286.0, 0.0);

(466349.2, 3765716.3, 258.3, 282.0, 0.0); (466449.2, 3765716.3, 259.0, 259.0, 0.0);

(466549.2, 3765716.3, 259.0, 433.0, 0.0); (466649.2, 3765716.3, 259.0, 447.0, 0.0);

(466749.2, 3765716.3, 259.0, 447.0, 0.0); (466849.2, 3765716.3, 259.0, 447.0, 0.0);

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58

PAGE 11

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(466949.2, 3765716.3, 259.0, 447.0, 0.0); (467049.2, 3765716.3, 259.0, 447.0, 0.0);

(467149.2, 3765716.3, 259.3, 447.0, 0.0); (464249.2, 3765816.3, 279.0, 529.0, 0.0);

(464349.2, 3765816.3, 281.0, 529.0, 0.0); (464449.2, 3765816.3, 285.3, 489.0, 0.0);

(464549.2, 3765816.3, 287.4, 489.0, 0.0); (464649.2, 3765816.3, 287.3, 489.0, 0.0);

(464749.2, 3765816.3, 286.0, 489.0, 0.0); (464849.2, 3765816.3, 285.0, 285.0, 0.0);

(464949.2, 3765816.3, 286.0, 286.0, 0.0); (465049.2, 3765816.3, 284.7, 284.7, 0.0);

(465149.2, 3765816.3, 282.0, 282.0, 0.0); (465249.2, 3765816.3, 283.0, 283.0, 0.0);

(465349.2, 3765816.3, 288.7, 288.7, 0.0); (465449.2, 3765816.3, 287.8, 287.8, 0.0);

(465549.2, 3765816.3, 285.0, 285.0, 0.0); (465649.2, 3765816.3, 287.6, 293.0, 0.0);

(465749.2, 3765816.3, 284.5, 284.5, 0.0); (465849.2, 3765816.3, 286.0, 286.0, 0.0);

(465949.2, 3765816.3, 286.9, 286.9, 0.0); (466049.2, 3765816.3, 283.6, 283.6, 0.0);

(466149.2, 3765816.3, 262.2, 289.0, 0.0); (466249.2, 3765816.3, 258.3, 287.0, 0.0);

(466349.2, 3765816.3, 259.9, 259.9, 0.0); (466449.2, 3765816.3, 259.7, 259.7, 0.0);

(466549.2, 3765816.3, 259.0, 433.0, 0.0); (466649.2, 3765816.3, 259.0, 447.0, 0.0);

(466749.2, 3765816.3, 259.0, 447.0, 0.0); (466849.2, 3765816.3, 259.0, 447.0, 0.0);

(466949.2, 3765816.3, 259.0, 447.0, 0.0); (467049.2, 3765816.3, 259.0, 447.0, 0.0);

(467149.2, 3765816.3, 259.3, 447.0, 0.0); (464249.2, 3765916.3, 280.0, 529.0, 0.0);

(464349.2, 3765916.3, 284.0, 489.0, 0.0); (464449.2, 3765916.3, 286.6, 489.0, 0.0);

(464549.2, 3765916.3, 292.0, 489.0, 0.0); (464649.2, 3765916.3, 288.0, 489.0, 0.0);

(464749.2, 3765916.3, 286.7, 489.0, 0.0); (464849.2, 3765916.3, 286.7, 286.7, 0.0);

(464949.2, 3765916.3, 287.0, 287.0, 0.0); (465049.2, 3765916.3, 285.7, 285.7, 0.0);

(465149.2, 3765916.3, 283.0, 283.0, 0.0); (465249.2, 3765916.3, 283.0, 283.0, 0.0);

(465349.2, 3765916.3, 285.3, 285.3, 0.0); (465449.2, 3765916.3, 286.0, 286.0, 0.0);

(465549.2, 3765916.3, 285.0, 285.0, 0.0); (465649.2, 3765916.3, 284.7, 284.7, 0.0);

(465749.2, 3765916.3, 284.0, 284.0, 0.0); (465849.2, 3765916.3, 287.0, 287.0, 0.0);

(465949.2, 3765916.3, 288.0, 288.0, 0.0); (466049.2, 3765916.3, 279.4, 288.0, 0.0);

(466149.2, 3765916.3, 260.0, 289.0, 0.0); (466249.2, 3765916.3, 258.0, 288.0, 0.0);

(466349.2, 3765916.3, 260.7, 260.7, 0.0); (466449.2, 3765916.3, 260.0, 260.0, 0.0);

(466549.2, 3765916.3, 260.3, 433.0, 0.0); (466649.2, 3765916.3, 261.0, 447.0, 0.0);

(466749.2, 3765916.3, 260.0, 447.0, 0.0); (466849.2, 3765916.3, 260.0, 447.0, 0.0);

(466949.2, 3765916.3, 260.0, 447.0, 0.0); (467049.2, 3765916.3, 259.0, 447.0, 0.0);

(467149.2, 3765916.3, 260.0, 447.0, 0.0); (464249.2, 3766016.3, 285.8, 489.0, 0.0);

(464349.2, 3766016.3, 286.3, 489.0, 0.0); (464449.2, 3766016.3, 288.2, 489.0, 0.0);

(464549.2, 3766016.3, 291.9, 489.0, 0.0); (464649.2, 3766016.3, 290.3, 489.0, 0.0);

(464749.2, 3766016.3, 287.8, 489.0, 0.0); (464849.2, 3766016.3, 287.6, 287.6, 0.0);

(464949.2, 3766016.3, 287.0, 287.0, 0.0); (465049.2, 3766016.3, 285.7, 285.7, 0.0);

(465149.2, 3766016.3, 284.3, 284.3, 0.0); (465249.2, 3766016.3, 286.0, 286.0, 0.0);

(465349.2, 3766016.3, 285.7, 285.7, 0.0); (465449.2, 3766016.3, 284.7, 284.7, 0.0);

(465549.2, 3766016.3, 284.0, 284.0, 0.0); (465649.2, 3766016.3, 282.0, 282.0, 0.0);

(465749.2, 3766016.3, 280.9, 280.9, 0.0); (465849.2, 3766016.3, 275.1, 289.0, 0.0);

(465949.2, 3766016.3, 270.7, 289.0, 0.0); (466049.2, 3766016.3, 266.4, 289.0, 0.0);

(466149.2, 3766016.3, 262.3, 289.0, 0.0); (466249.2, 3766016.3, 260.0, 260.0, 0.0);

(466349.2, 3766016.3, 260.8, 260.8, 0.0); (466449.2, 3766016.3, 261.0, 261.0, 0.0);

(466549.2, 3766016.3, 260.0, 433.0, 0.0); (466649.2, 3766016.3, 262.3, 447.0, 0.0);

(466749.2, 3766016.3, 261.0, 447.0, 0.0); (466849.2, 3766016.3, 260.2, 447.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(466949.2, 3766016.3, 260.0, 447.0, 0.0); (467049.2, 3766016.3, 260.0, 447.0, 0.0);

(467149.2, 3766016.3, 260.0, 447.0, 0.0); (464249.2, 3766116.3, 286.7, 489.0, 0.0);
(464349.2, 3766116.3, 288.0, 489.0, 0.0); (464449.2, 3766116.3, 287.0, 489.0, 0.0);
(464549.2, 3766116.3, 291.6, 489.0, 0.0); (464649.2, 3766116.3, 290.3, 489.0, 0.0);
(464749.2, 3766116.3, 287.8, 489.0, 0.0); (464849.2, 3766116.3, 286.3, 286.3, 0.0);
(464949.2, 3766116.3, 287.0, 287.0, 0.0); (465049.2, 3766116.3, 285.9, 285.9, 0.0);
(465149.2, 3766116.3, 286.9, 286.9, 0.0); (465249.2, 3766116.3, 287.0, 287.0, 0.0);
(465349.2, 3766116.3, 286.7, 286.7, 0.0); (465449.2, 3766116.3, 283.3, 283.3, 0.0);
(465549.2, 3766116.3, 282.3, 282.3, 0.0); (465649.2, 3766116.3, 281.3, 281.3, 0.0);
(465749.2, 3766116.3, 273.5, 282.0, 0.0); (465849.2, 3766116.3, 268.4, 287.0, 0.0);
(465949.2, 3766116.3, 267.7, 289.0, 0.0); (466049.2, 3766116.3, 267.4, 267.4, 0.0);
(466149.2, 3766116.3, 264.7, 264.7, 0.0); (466249.2, 3766116.3, 261.0, 261.0, 0.0);
(466349.2, 3766116.3, 261.0, 261.0, 0.0); (466449.2, 3766116.3, 261.0, 261.0, 0.0);
(466549.2, 3766116.3, 261.0, 433.0, 0.0); (466649.2, 3766116.3, 262.0, 447.0, 0.0);
(466749.2, 3766116.3, 262.0, 447.0, 0.0); (466849.2, 3766116.3, 261.0, 447.0, 0.0);
(466949.2, 3766116.3, 261.0, 447.0, 0.0); (467049.2, 3766116.3, 260.0, 447.0, 0.0);
(467149.2, 3766116.3, 260.9, 447.0, 0.0); (464249.2, 3766216.3, 287.7, 489.0, 0.0);
(464349.2, 3766216.3, 291.0, 489.0, 0.0); (464449.2, 3766216.3, 287.0, 489.0, 0.0);

(464549.2, 3766216.3, 289.7, 489.0, 0.0); (464649.2, 3766216.3, 289.0, 489.0, 0.0);

(464749.2, 3766216.3, 287.7, 489.0, 0.0); (464849.2, 3766216.3, 286.0, 286.0, 0.0);

(464949.2, 3766216.3, 286.0, 286.0, 0.0); (465049.2, 3766216.3, 285.0, 285.0, 0.0);

(465149.2, 3766216.3, 286.0, 286.0, 0.0); (465249.2, 3766216.3, 286.0, 286.0, 0.0);

(465349.2, 3766216.3, 283.7, 283.7, 0.0); (465449.2, 3766216.3, 280.4, 280.4, 0.0);
(465549.2, 3766216.3, 276.1, 281.0, 0.0); (465649.2, 3766216.3, 272.7, 281.0, 0.0);
(465749.2, 3766216.3, 270.4, 270.4, 0.0); (465849.2, 3766216.3, 269.0, 269.0, 0.0);
(465949.2, 3766216.3, 269.0, 269.0, 0.0); (466049.2, 3766216.3, 269.0, 269.0, 0.0);
(466149.2, 3766216.3, 268.0, 268.0, 0.0); (466249.2, 3766216.3, 261.0, 268.0, 0.0);
(466349.2, 3766216.3, 261.0, 261.0, 0.0); (466449.2, 3766216.3, 261.0, 261.0, 0.0);
(466549.2, 3766216.3, 261.3, 433.0, 0.0); (466649.2, 3766216.3, 262.0, 433.0, 0.0);
(466749.2, 3766216.3, 262.0, 447.0, 0.0); (466849.2, 3766216.3, 261.0, 447.0, 0.0);
(466949.2, 3766216.3, 261.0, 447.0, 0.0); (467049.2, 3766216.3, 261.0, 447.0, 0.0);
(467149.2, 3766216.3, 261.0, 447.0, 0.0); (464249.2, 3766316.3, 290.0, 489.0, 0.0);
(464349.2, 3766316.3, 293.0, 489.0, 0.0); (464449.2, 3766316.3, 290.0, 489.0, 0.0);
(464549.2, 3766316.3, 289.8, 489.0, 0.0); (464649.2, 3766316.3, 289.0, 489.0, 0.0);
(464749.2, 3766316.3, 286.9, 286.9, 0.0); (464849.2, 3766316.3, 285.4, 285.4, 0.0);
(464949.2, 3766316.3, 284.0, 284.0, 0.0); (465049.2, 3766316.3, 283.9, 283.9, 0.0);
(465149.2, 3766316.3, 284.2, 284.2, 0.0); (465249.2, 3766316.3, 283.0, 283.0, 0.0);
(465349.2, 3766316.3, 280.7, 280.7, 0.0); (465449.2, 3766316.3, 278.0, 278.0, 0.0);
(465549.2, 3766316.3, 275.7, 275.7, 0.0); (465649.2, 3766316.3, 272.1, 272.1, 0.0);
(465749.2, 3766316.3, 267.7, 267.7, 0.0); (465849.2, 3766316.3, 268.0, 268.0, 0.0);
(465949.2, 3766316.3, 269.0, 269.0, 0.0); (466049.2, 3766316.3, 270.0, 270.0, 0.0);
(466149.2, 3766316.3, 269.3, 269.3, 0.0); (466249.2, 3766316.3, 268.5, 268.5, 0.0);
(466349.2, 3766316.3, 262.0, 262.0, 0.0); (466449.2, 3766316.3, 261.3, 261.3, 0.0);
(466549.2, 3766316.3, 262.0, 433.0, 0.0); (466649.2, 3766316.3, 262.0, 433.0, 0.0);
(466749.2, 3766316.3, 262.0, 447.0, 0.0); (466849.2, 3766316.3, 262.0, 447.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(466949.2, 3766316.3, 262.0, 447.0, 0.0); (467049.2, 3766316.3, 261.0, 447.0, 0.0);
(467149.2, 3766316.3, 261.0, 447.0, 0.0); (464249.2, 3766416.3, 291.4, 489.0, 0.0);
(464349.2, 3766416.3, 293.0, 489.0, 0.0); (464449.2, 3766416.3, 291.9, 489.0, 0.0);
(464549.2, 3766416.3, 290.4, 489.0, 0.0); (464649.2, 3766416.3, 288.0, 489.0, 0.0);
(464749.2, 3766416.3, 286.0, 286.0, 0.0); (464849.2, 3766416.3, 285.0, 285.0, 0.0);
(464949.2, 3766416.3, 284.0, 284.0, 0.0); (465049.2, 3766416.3, 283.0, 283.0, 0.0);
(465149.2, 3766416.3, 282.1, 282.1, 0.0); (465249.2, 3766416.3, 281.3, 281.3, 0.0);
(465349.2, 3766416.3, 279.5, 279.5, 0.0); (465449.2, 3766416.3, 276.1, 276.1, 0.0);
(465549.2, 3766416.3, 273.4, 273.4, 0.0); (465649.2, 3766416.3, 269.4, 269.4, 0.0);
(465749.2, 3766416.3, 266.8, 266.8, 0.0); (465849.2, 3766416.3, 268.0, 268.0, 0.0);
(465949.2, 3766416.3, 268.0, 268.0, 0.0); (466049.2, 3766416.3, 269.9, 269.9, 0.0);
(466149.2, 3766416.3, 270.7, 270.7, 0.0); (466249.2, 3766416.3, 268.7, 268.7, 0.0);
(466349.2, 3766416.3, 263.4, 263.4, 0.0); (466449.2, 3766416.3, 262.0, 262.0, 0.0);
(466549.2, 3766416.3, 262.0, 433.0, 0.0); (466649.2, 3766416.3, 262.0, 433.0, 0.0);
(466749.2, 3766416.3, 262.0, 433.0, 0.0); (466849.2, 3766416.3, 262.7, 447.0, 0.0);
(466949.2, 3766416.3, 262.0, 447.0, 0.0); (467049.2, 3766416.3, 262.0, 447.0, 0.0);
(467149.2, 3766416.3, 261.0, 447.0, 0.0); (464249.2, 3766516.3, 292.7, 489.0, 0.0);
(464349.2, 3766516.3, 294.0, 489.0, 0.0); (464449.2, 3766516.3, 292.0, 489.0, 0.0);
(464549.2, 3766516.3, 290.4, 489.0, 0.0); (464649.2, 3766516.3, 288.0, 489.0, 0.0);
(464749.2, 3766516.3, 287.0, 287.0, 0.0); (464849.2, 3766516.3, 286.0, 286.0, 0.0);
(464949.2, 3766516.3, 284.0, 284.0, 0.0); (465049.2, 3766516.3, 282.0, 282.0, 0.0);
(465149.2, 3766516.3, 281.4, 281.4, 0.0); (465249.2, 3766516.3, 280.0, 280.0, 0.0);
(465349.2, 3766516.3, 276.7, 276.7, 0.0); (465449.2, 3766516.3, 274.0, 274.0, 0.0);
(465549.2, 3766516.3, 271.0, 271.0, 0.0); (465649.2, 3766516.3, 268.7, 268.7, 0.0);
(465749.2, 3766516.3, 266.4, 266.4, 0.0); (465849.2, 3766516.3, 267.0, 267.0, 0.0);
(465949.2, 3766516.3, 268.7, 268.7, 0.0); (466049.2, 3766516.3, 270.7, 270.7, 0.0);
(466149.2, 3766516.3, 272.0, 272.0, 0.0); (466249.2, 3766516.3, 270.0, 270.0, 0.0);

(466349.2, 3766516.3, 266.0, 268.0, 0.0); (466449.2, 3766516.3, 263.0, 263.0, 0.0);

(466549.2, 3766516.3, 262.0, 433.0, 0.0); (466649.2, 3766516.3, 262.0, 433.0, 0.0);

(466749.2, 3766516.3, 263.0, 433.0, 0.0); (466849.2, 3766516.3, 263.0, 447.0, 0.0);

(466949.2, 3766516.3, 263.0, 447.0, 0.0); (467049.2, 3766516.3, 262.0, 447.0, 0.0);

(467149.2, 3766516.3, 261.3, 447.0, 0.0); (464249.2, 3766616.3, 295.1, 489.0, 0.0);

(464349.2, 3766616.3, 294.0, 489.0, 0.0); (464449.2, 3766616.3, 292.0, 489.0, 0.0);

(464549.2, 3766616.3, 291.0, 489.0, 0.0); (464649.2, 3766616.3, 289.0, 289.0, 0.0);

(464749.2, 3766616.3, 287.8, 287.8, 0.0); (464849.2, 3766616.3, 287.0, 287.0, 0.0);

(464949.2, 3766616.3, 286.3, 286.3, 0.0); (465049.2, 3766616.3, 282.9, 282.9, 0.0);

(465149.2, 3766616.3, 280.0, 280.0, 0.0); (465249.2, 3766616.3, 276.7, 276.7, 0.0);

(465349.2, 3766616.3, 273.9, 273.9, 0.0); (465449.2, 3766616.3, 272.2, 272.2, 0.0);

(465549.2, 3766616.3, 270.0, 270.0, 0.0); (465649.2, 3766616.3, 268.1, 281.0, 0.0);

(465749.2, 3766616.3, 269.3, 281.0, 0.0); (465849.2, 3766616.3, 274.0, 274.0, 0.0);

(465949.2, 3766616.3, 268.8, 268.8, 0.0); (466049.2, 3766616.3, 269.7, 275.0, 0.0);

(466149.2, 3766616.3, 273.3, 273.3, 0.0); (466249.2, 3766616.3, 272.0, 272.0, 0.0);

(466349.2, 3766616.3, 267.9, 267.9, 0.0); (466449.2, 3766616.3, 264.0, 264.0, 0.0);

(466549.2, 3766616.3, 262.8, 429.0, 0.0); (466649.2, 3766616.3, 262.2, 433.0, 0.0);

(466749.2, 3766616.3, 263.0, 433.0, 0.0); (466849.2, 3766616.3, 264.0, 433.0, 0.0);

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58

PAGE 14

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(466949.2, 3766616.3, 264.0, 447.0, 0.0); (467049.2, 3766616.3, 263.3, 447.0, 0.0);

(467149.2, 3766616.3, 262.2, 447.0, 0.0); (464249.2, 3766716.3, 296.4, 489.0, 0.0);

(464349.2, 3766716.3, 294.0, 489.0, 0.0); (464449.2, 3766716.3, 292.0, 489.0, 0.0);

(464549.2, 3766716.3, 291.0, 489.0, 0.0); (464649.2, 3766716.3, 290.0, 290.0, 0.0);

(464749.2, 3766716.3, 288.9, 288.9, 0.0); (464849.2, 3766716.3, 288.0, 288.0, 0.0);

(464949.2, 3766716.3, 287.0, 287.0, 0.0); (465049.2, 3766716.3, 283.4, 283.4, 0.0);
(465149.2, 3766716.3, 279.4, 279.4, 0.0); (465249.2, 3766716.3, 276.0, 276.0, 0.0);
(465349.2, 3766716.3, 274.7, 274.7, 0.0); (465449.2, 3766716.3, 273.2, 273.2, 0.0);
(465549.2, 3766716.3, 271.7, 271.7, 0.0); (465649.2, 3766716.3, 274.1, 281.0, 0.0);
(465749.2, 3766716.3, 274.4, 274.4, 0.0); (465849.2, 3766716.3, 274.7, 274.7, 0.0);
(465949.2, 3766716.3, 273.0, 273.0, 0.0); (466049.2, 3766716.3, 275.3, 275.3, 0.0);
(466149.2, 3766716.3, 276.0, 276.0, 0.0); (466249.2, 3766716.3, 275.7, 275.7, 0.0);
(466349.2, 3766716.3, 273.4, 273.4, 0.0); (466449.2, 3766716.3, 265.0, 275.0, 0.0);
(466549.2, 3766716.3, 263.7, 263.7, 0.0); (466649.2, 3766716.3, 263.0, 433.0, 0.0);
(466749.2, 3766716.3, 263.7, 433.0, 0.0); (466849.2, 3766716.3, 264.0, 433.0, 0.0);
(466949.2, 3766716.3, 264.0, 433.0, 0.0); (467049.2, 3766716.3, 264.0, 447.0, 0.0);
(467149.2, 3766716.3, 263.9, 447.0, 0.0); (464249.2, 3766816.3, 296.4, 489.0, 0.0);
(464349.2, 3766816.3, 294.0, 489.0, 0.0); (464449.2, 3766816.3, 292.0, 489.0, 0.0);
(464549.2, 3766816.3, 291.0, 291.0, 0.0); (464649.2, 3766816.3, 290.0, 290.0, 0.0);
(464749.2, 3766816.3, 288.7, 288.7, 0.0); (464849.2, 3766816.3, 287.4, 287.4, 0.0);
(464949.2, 3766816.3, 284.0, 284.0, 0.0); (465049.2, 3766816.3, 280.6, 280.6, 0.0);
(465149.2, 3766816.3, 280.0, 280.0, 0.0); (465249.2, 3766816.3, 277.0, 277.0, 0.0);
(465349.2, 3766816.3, 279.0, 279.0, 0.0); (465449.2, 3766816.3, 280.6, 280.6, 0.0);
(465549.2, 3766816.3, 281.0, 281.0, 0.0); (465649.2, 3766816.3, 277.4, 277.4, 0.0);
(465749.2, 3766816.3, 274.0, 274.0, 0.0); (465849.2, 3766816.3, 274.0, 274.0, 0.0);
(465949.2, 3766816.3, 279.0, 279.0, 0.0); (466049.2, 3766816.3, 279.0, 279.0, 0.0);
(466149.2, 3766816.3, 280.0, 280.0, 0.0); (466249.2, 3766816.3, 279.0, 279.0, 0.0);
(466349.2, 3766816.3, 278.3, 278.3, 0.0); (466449.2, 3766816.3, 268.0, 281.0, 0.0);
(466549.2, 3766816.3, 263.7, 281.0, 0.0); (466649.2, 3766816.3, 263.0, 429.0, 0.0);
(466749.2, 3766816.3, 264.0, 433.0, 0.0); (466849.2, 3766816.3, 265.0, 433.0, 0.0);
(466949.2, 3766816.3, 265.0, 433.0, 0.0); (467049.2, 3766816.3, 264.0, 447.0, 0.0);
(467149.2, 3766816.3, 264.0, 447.0, 0.0); (464249.2, 3766916.3, 296.2, 489.0, 0.0);
(464349.2, 3766916.3, 295.0, 489.0, 0.0); (464449.2, 3766916.3, 292.8, 292.8, 0.0);

(464549.2, 3766916.3, 292.0, 292.0, 0.0); (464649.2, 3766916.3, 291.0, 291.0, 0.0);

(464749.2, 3766916.3, 289.0, 289.0, 0.0); (464849.2, 3766916.3, 286.6, 286.6, 0.0);

(464949.2, 3766916.3, 283.4, 283.4, 0.0); (465049.2, 3766916.3, 280.0, 280.0, 0.0);

(465149.2, 3766916.3, 279.8, 279.8, 0.0); (465249.2, 3766916.3, 278.3, 278.3, 0.0);

(465349.2, 3766916.3, 279.3, 279.3, 0.0); (465449.2, 3766916.3, 281.3, 281.3, 0.0);

(465549.2, 3766916.3, 280.7, 280.7, 0.0); (465649.2, 3766916.3, 279.1, 279.1, 0.0);

(465749.2, 3766916.3, 276.0, 276.0, 0.0); (465849.2, 3766916.3, 275.0, 292.0, 0.0);

(465949.2, 3766916.3, 280.8, 286.0, 0.0); (466049.2, 3766916.3, 282.3, 282.3, 0.0);

(466149.2, 3766916.3, 282.0, 282.0, 0.0); (466249.2, 3766916.3, 281.3, 281.3, 0.0);

(466349.2, 3766916.3, 281.6, 281.6, 0.0); (466449.2, 3766916.3, 277.7, 281.0, 0.0);

(466549.2, 3766916.3, 265.0, 282.0, 0.0); (466649.2, 3766916.3, 264.0, 264.0, 0.0);

(466749.2, 3766916.3, 265.0, 429.0, 0.0); (466849.2, 3766916.3, 265.0, 433.0, 0.0);

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58

PAGE 15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(466949.2, 3766916.3, 265.0, 433.0, 0.0); (467049.2, 3766916.3, 265.0, 433.0, 0.0);

(467149.2, 3766916.3, 264.8, 442.0, 0.0); (464249.2, 3767016.3, 296.0, 489.0, 0.0);

(464349.2, 3767016.3, 295.0, 489.0, 0.0); (464449.2, 3767016.3, 293.9, 293.9, 0.0);

(464549.2, 3767016.3, 293.0, 293.0, 0.0); (464649.2, 3767016.3, 292.0, 292.0, 0.0);

(464749.2, 3767016.3, 289.9, 289.9, 0.0); (464849.2, 3767016.3, 288.0, 288.0, 0.0);

(464949.2, 3767016.3, 286.7, 286.7, 0.0); (465049.2, 3767016.3, 280.7, 280.7, 0.0);

(465149.2, 3767016.3, 280.9, 280.9, 0.0); (465249.2, 3767016.3, 279.7, 279.7, 0.0);

(465349.2, 3767016.3, 280.2, 280.2, 0.0); (465449.2, 3767016.3, 280.5, 280.5, 0.0);

(465549.2, 3767016.3, 281.7, 281.7, 0.0); (465649.2, 3767016.3, 281.9, 281.9, 0.0);

(465749.2, 3767016.3, 280.4, 280.4, 0.0); (465849.2, 3767016.3, 285.0, 286.0, 0.0);

(465949.2, 3767016.3, 287.3, 287.3, 0.0); (466049.2, 3767016.3, 285.2, 285.2, 0.0);

(466149.2, 3767016.3, 284.7, 284.7, 0.0); (466249.2, 3767016.3, 283.9, 283.9, 0.0);

(466349.2, 3767016.3, 283.2, 283.2, 0.0); (466449.2, 3767016.3, 281.7, 281.7, 0.0);

(466549.2, 3767016.3, 271.3, 283.0, 0.0); (466649.2, 3767016.3, 266.0, 282.0, 0.0);

(466749.2, 3767016.3, 265.0, 429.0, 0.0); (466849.2, 3767016.3, 265.0, 433.0, 0.0);

(466949.2, 3767016.3, 265.8, 433.0, 0.0); (467049.2, 3767016.3, 265.0, 433.0, 0.0);

(467149.2, 3767016.3, 265.0, 433.0, 0.0); (464249.2, 3767116.3, 296.0, 489.0, 0.0);
(464349.2, 3767116.3, 295.0, 295.0, 0.0); (464449.2, 3767116.3, 294.7, 294.7, 0.0);
(464549.2, 3767116.3, 294.0, 294.0, 0.0); (464649.2, 3767116.3, 293.0, 293.0, 0.0);
(464749.2, 3767116.3, 290.7, 290.7, 0.0); (464849.2, 3767116.3, 288.4, 288.4, 0.0);
(464949.2, 3767116.3, 287.0, 287.0, 0.0); (465049.2, 3767116.3, 285.0, 285.0, 0.0);
(465149.2, 3767116.3, 284.0, 284.0, 0.0); (465249.2, 3767116.3, 286.0, 286.0, 0.0);
(465349.2, 3767116.3, 287.0, 287.0, 0.0); (465449.2, 3767116.3, 285.3, 285.3, 0.0);
(465549.2, 3767116.3, 284.0, 284.0, 0.0); (465649.2, 3767116.3, 285.0, 285.0, 0.0);
(465749.2, 3767116.3, 287.0, 287.0, 0.0); (465849.2, 3767116.3, 290.0, 290.0, 0.0);
(465949.2, 3767116.3, 292.0, 293.0, 0.0); (466049.2, 3767116.3, 285.3, 285.3, 0.0);
(466149.2, 3767116.3, 287.0, 287.0, 0.0); (466249.2, 3767116.3, 285.0, 285.0, 0.0);
(466349.2, 3767116.3, 286.0, 286.0, 0.0); (466449.2, 3767116.3, 284.0, 284.0, 0.0);
(466549.2, 3767116.3, 281.7, 281.7, 0.0); (466649.2, 3767116.3, 274.0, 282.0, 0.0);
(466749.2, 3767116.3, 267.0, 282.0, 0.0); (466849.2, 3767116.3, 265.0, 429.0, 0.0);
(466949.2, 3767116.3, 266.0, 433.0, 0.0); (467049.2, 3767116.3, 266.0, 433.0, 0.0);
(467149.2, 3767116.3, 265.0, 433.0, 0.0); (464249.2, 3767216.3, 297.0, 297.0, 0.0);
(464349.2, 3767216.3, 296.0, 296.0, 0.0); (464449.2, 3767216.3, 294.4, 294.4, 0.0);

(464549.2, 3767216.3, 293.2, 293.2, 0.0); (464649.2, 3767216.3, 292.0, 292.0, 0.0);

(464749.2, 3767216.3, 290.0, 290.0, 0.0); (464849.2, 3767216.3, 289.0, 289.0, 0.0);

(464949.2, 3767216.3, 288.0, 288.0, 0.0); (465049.2, 3767216.3, 287.0, 287.0, 0.0);

(465149.2, 3767216.3, 286.2, 286.2, 0.0); (465249.2, 3767216.3, 286.3, 286.3, 0.0);

(465349.2, 3767216.3, 286.5, 286.5, 0.0); (465449.2, 3767216.3, 286.8, 286.8, 0.0);

(465549.2, 3767216.3, 286.7, 286.7, 0.0); (465649.2, 3767216.3, 287.1, 293.0, 0.0);

(465749.2, 3767216.3, 292.1, 292.1, 0.0); (465849.2, 3767216.3, 290.3, 290.3, 0.0);

(465949.2, 3767216.3, 288.7, 288.7, 0.0); (466049.2, 3767216.3, 286.3, 286.3, 0.0);

(466149.2, 3767216.3, 288.0, 288.0, 0.0); (466249.2, 3767216.3, 286.0, 286.0, 0.0);

(466349.2, 3767216.3, 287.0, 287.0, 0.0); (466449.2, 3767216.3, 286.3, 286.3, 0.0);

(466549.2, 3767216.3, 284.2, 284.2, 0.0); (466649.2, 3767216.3, 281.3, 281.3, 0.0);

(466749.2, 3767216.3, 271.7, 281.0, 0.0); (466849.2, 3767216.3, 266.0, 266.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(466949.2, 3767216.3,	266.0,	429.0,	0.0);	(467049.2, 3767216.3,	266.0,	433.0,	0.0);
(467149.2, 3767216.3,	265.3,	433.0,	0.0);	(464249.2, 3767316.3,	298.0,	298.0,	0.0);
(464349.2, 3767316.3,	297.0,	297.0,	0.0);	(464449.2, 3767316.3,	294.7,	294.7,	0.0);
(464549.2, 3767316.3,	292.6,	292.6,	0.0);	(464649.2, 3767316.3,	291.0,	291.0,	0.0);
(464749.2, 3767316.3,	290.9,	290.9,	0.0);	(464849.2, 3767316.3,	290.0,	290.0,	0.0);
(464949.2, 3767316.3,	289.0,	289.0,	0.0);	(465049.2, 3767316.3,	288.0,	288.0,	0.0);
(465149.2, 3767316.3,	287.9,	287.9,	0.0);	(465249.2, 3767316.3,	289.0,	289.0,	0.0);
(465349.2, 3767316.3,	287.4,	287.4,	0.0);	(465449.2, 3767316.3,	286.7,	286.7,	0.0);
(465549.2, 3767316.3,	286.7,	286.7,	0.0);	(465649.2, 3767316.3,	291.3,	291.3,	0.0);
(465749.2, 3767316.3,	293.0,	293.0,	0.0);	(465849.2, 3767316.3,	292.0,	292.0,	0.0);
(465949.2, 3767316.3,	290.4,	290.4,	0.0);	(466049.2, 3767316.3,	288.8,	288.8,	0.0);
(466149.2, 3767316.3,	288.0,	288.0,	0.0);	(466249.2, 3767316.3,	287.0,	287.0,	0.0);
(466349.2, 3767316.3,	288.0,	288.0,	0.0);	(466449.2, 3767316.3,	287.7,	287.7,	0.0);
(466549.2, 3767316.3,	284.9,	284.9,	0.0);	(466649.2, 3767316.3,	279.7,	279.7,	0.0);
(466749.2, 3767316.3,	275.7,	275.7,	0.0);	(466849.2, 3767316.3,	268.3,	275.0,	0.0);
(466949.2, 3767316.3,	267.0,	267.0,	0.0);	(467049.2, 3767316.3,	266.7,	429.0,	0.0);
(467149.2, 3767316.3,	266.0,	433.0,	0.0);	(464249.2, 3767416.3,	299.0,	299.0,	0.0);
(464349.2, 3767416.3,	299.0,	299.0,	0.0);	(464449.2, 3767416.3,	295.7,	295.7,	0.0);
(464549.2, 3767416.3,	293.0,	293.0,	0.0);	(464649.2, 3767416.3,	292.0,	292.0,	0.0);
(464749.2, 3767416.3,	291.7,	291.7,	0.0);	(464849.2, 3767416.3,	291.0,	291.0,	0.0);
(464949.2, 3767416.3,	290.0,	290.0,	0.0);	(465049.2, 3767416.3,	290.0,	290.0,	0.0);
(465149.2, 3767416.3,	289.0,	289.0,	0.0);	(465249.2, 3767416.3,	289.0,	289.0,	0.0);
(465349.2, 3767416.3,	288.7,	288.7,	0.0);	(465449.2, 3767416.3,	288.0,	288.0,	0.0);
(465549.2, 3767416.3,	290.0,	290.0,	0.0);	(465649.2, 3767416.3,	293.3,	293.3,	0.0);

(465749.2, 3767416.3, 293.3, 293.3, 0.0); (465849.2, 3767416.3, 294.0, 294.0, 0.0);
(465949.2, 3767416.3, 292.0, 292.0, 0.0); (466049.2, 3767416.3, 291.0, 291.0, 0.0);
(466149.2, 3767416.3, 290.0, 290.0, 0.0); (466249.2, 3767416.3, 290.0, 290.0, 0.0);
(466349.2, 3767416.3, 289.3, 289.3, 0.0); (466449.2, 3767416.3, 288.0, 288.0, 0.0);
(466549.2, 3767416.3, 282.7, 287.0, 0.0); (466649.2, 3767416.3, 278.4, 278.4, 0.0);
(466749.2, 3767416.3, 277.0, 277.0, 0.0); (466849.2, 3767416.3, 275.7, 275.7, 0.0);
(466949.2, 3767416.3, 268.7, 275.0, 0.0); (467049.2, 3767416.3, 267.0, 423.0, 0.0);
(467149.2, 3767416.3, 267.0, 429.0, 0.0); (464249.2, 3767516.3, 300.0, 300.0, 0.0);
(464349.2, 3767516.3, 299.0, 299.0, 0.0); (464449.2, 3767516.3, 296.7, 296.7, 0.0);
(464549.2, 3767516.3, 294.3, 294.3, 0.0); (464649.2, 3767516.3, 293.3, 293.3, 0.0);
(464749.2, 3767516.3, 293.0, 293.0, 0.0); (464849.2, 3767516.3, 292.1, 292.1, 0.0);
(464949.2, 3767516.3, 291.3, 291.3, 0.0); (465049.2, 3767516.3, 291.0, 291.0, 0.0);
(465149.2, 3767516.3, 290.6, 290.6, 0.0); (465249.2, 3767516.3, 290.3, 290.3, 0.0);
(465349.2, 3767516.3, 291.0, 291.0, 0.0); (465449.2, 3767516.3, 291.3, 291.3, 0.0);
(465549.2, 3767516.3, 293.0, 293.0, 0.0); (465649.2, 3767516.3, 294.7, 294.7, 0.0);
(465749.2, 3767516.3, 297.2, 297.2, 0.0); (465849.2, 3767516.3, 296.3, 296.3, 0.0);
(465949.2, 3767516.3, 293.7, 293.7, 0.0); (466049.2, 3767516.3, 291.3, 291.3, 0.0);
(466149.2, 3767516.3, 292.3, 292.3, 0.0); (466249.2, 3767516.3, 291.8, 291.8, 0.0);
(466349.2, 3767516.3, 290.3, 290.3, 0.0); (466449.2, 3767516.3, 287.0, 287.0, 0.0);
(466549.2, 3767516.3, 275.6, 288.0, 0.0); (466649.2, 3767516.3, 274.7, 274.7, 0.0);
(466749.2, 3767516.3, 276.7, 276.7, 0.0); (466849.2, 3767516.3, 275.0, 275.0, 0.0);

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58

PAGE 17

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(466949.2, 3767516.3, 271.9, 271.9, 0.0); (467049.2, 3767516.3, 267.3, 267.3, 0.0);

(467149.2, 3767516.3, 267.0, 423.0, 0.0); (464249.2, 3767616.3, 300.0, 300.0, 0.0);

(464349.2, 3767616.3, 298.0, 298.0, 0.0); (464449.2, 3767616.3, 296.9, 296.9, 0.0);

(464549.2, 3767616.3, 295.8, 295.8, 0.0); (464649.2, 3767616.3, 295.0, 295.0, 0.0);

(464749.2, 3767616.3, 294.4, 294.4, 0.0); (464849.2, 3767616.3, 293.8, 293.8, 0.0);

(464949.2, 3767616.3, 293.0, 293.0, 0.0); (465049.2, 3767616.3, 292.4, 292.4, 0.0);

(465149.2, 3767616.3, 292.0, 292.0, 0.0); (465249.2, 3767616.3, 292.0, 292.0, 0.0);

(465349.2, 3767616.3, 292.7, 292.7, 0.0); (465449.2, 3767616.3, 293.9, 293.9, 0.0);

(465549.2, 3767616.3, 294.7, 294.7, 0.0); (465649.2, 3767616.3, 296.8, 296.8, 0.0);

(465749.2, 3767616.3, 298.9, 298.9, 0.0); (465849.2, 3767616.3, 297.4, 297.4, 0.0);

(465949.2, 3767616.3, 298.2, 298.2, 0.0); (466049.2, 3767616.3, 292.2, 292.2, 0.0);

(466149.2, 3767616.3, 293.7, 293.7, 0.0); (466249.2, 3767616.3, 293.0, 293.0, 0.0);

(466349.2, 3767616.3, 292.2, 292.2, 0.0); (466449.2, 3767616.3, 276.8, 293.0, 0.0);

(466549.2, 3767616.3, 273.9, 288.0, 0.0); (466649.2, 3767616.3, 274.0, 274.0, 0.0);

(466749.2, 3767616.3, 275.0, 275.0, 0.0); (466849.2, 3767616.3, 274.2, 274.2, 0.0);

(466949.2, 3767616.3, 273.0, 273.0, 0.0); (467049.2, 3767616.3, 272.0, 273.0, 0.0);

(467149.2, 3767616.3, 268.1, 423.0, 0.0); (464249.2, 3767716.3, 300.4, 300.4, 0.0);

(464349.2, 3767716.3, 298.0, 298.0, 0.0); (464449.2, 3767716.3, 298.0, 298.0, 0.0);

(464549.2, 3767716.3, 297.0, 297.0, 0.0); (464649.2, 3767716.3, 296.0, 296.0, 0.0);

(464749.2, 3767716.3, 296.0, 296.0, 0.0); (464849.2, 3767716.3, 295.0, 295.0, 0.0);

(464949.2, 3767716.3, 294.0, 294.0, 0.0); (465049.2, 3767716.3, 294.0, 294.0, 0.0);

(465149.2, 3767716.3, 294.0, 294.0, 0.0); (465249.2, 3767716.3, 295.0, 295.0, 0.0);

(465349.2, 3767716.3, 296.0, 296.0, 0.0); (465449.2, 3767716.3, 296.0, 296.0, 0.0);

(465549.2, 3767716.3, 296.0, 296.0, 0.0); (465649.2, 3767716.3, 297.3, 297.3, 0.0);

(465749.2, 3767716.3, 299.0, 299.0, 0.0); (465849.2, 3767716.3, 299.0, 299.0, 0.0);

(465949.2, 3767716.3, 299.0, 299.0, 0.0); (466049.2, 3767716.3, 296.3, 296.3, 0.0);

(466149.2, 3767716.3, 296.0, 296.0, 0.0); (466249.2, 3767716.3, 294.0, 294.0, 0.0);

(466349.2, 3767716.3, 288.7, 292.0, 0.0); (466449.2, 3767716.3, 277.0, 293.0, 0.0);

(466549.2, 3767716.3, 276.7, 280.0, 0.0); (466649.2, 3767716.3, 276.0, 276.0, 0.0);

(466749.2, 3767716.3, 274.0, 274.0, 0.0); (466849.2, 3767716.3, 275.0, 280.0, 0.0);

(466949.2, 3767716.3, 277.3, 277.3, 0.0); (467049.2, 3767716.3, 274.0, 274.0, 0.0);

(467149.2, 3767716.3, 275.7, 293.0, 0.0); (464249.2, 3767816.3, 302.4, 302.4, 0.0);

(464349.2, 3767816.3, 300.0, 300.0, 0.0); (464449.2, 3767816.3, 299.0, 299.0, 0.0);

(464549.2, 3767816.3, 298.6, 298.6, 0.0); (464649.2, 3767816.3, 298.0, 298.0, 0.0);

(464749.2, 3767816.3, 297.2, 297.2, 0.0); (464849.2, 3767816.3, 296.1, 296.1, 0.0);

(464949.2, 3767816.3, 295.3, 295.3, 0.0); (465049.2, 3767816.3, 295.3, 295.3, 0.0);

(465149.2, 3767816.3, 296.2, 296.2, 0.0); (465249.2, 3767816.3, 299.0, 299.0, 0.0);

(465349.2, 3767816.3, 298.8, 298.8, 0.0); (465449.2, 3767816.3, 298.3, 298.3, 0.0);

(465549.2, 3767816.3, 297.3, 297.3, 0.0); (465649.2, 3767816.3, 298.1, 298.1, 0.0);

(465749.2, 3767816.3, 298.3, 298.3, 0.0); (465849.2, 3767816.3, 299.0, 299.0, 0.0);

(465949.2, 3767816.3, 299.5, 299.5, 0.0); (466049.2, 3767816.3, 297.3, 297.3, 0.0);

(466149.2, 3767816.3, 295.0, 295.0, 0.0); (466249.2, 3767816.3, 291.4, 293.0, 0.0);

(466349.2, 3767816.3, 280.2, 295.0, 0.0); (466449.2, 3767816.3, 278.0, 278.0, 0.0);

(466549.2, 3767816.3, 278.2, 278.2, 0.0); (466649.2, 3767816.3, 277.0, 277.0, 0.0);

(466749.2, 3767816.3, 274.3, 274.3, 0.0); (466849.2, 3767816.3, 274.7, 281.0, 0.0);

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

(466949.2, 3767816.3, 280.3, 280.3, 0.0); (467049.2, 3767816.3, 280.0, 280.0, 0.0);

(467149.2, 3767816.3, 278.8, 294.0, 0.0); (465576.2, 3765931.3, 284.6, 284.6, 0.0);

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

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58
PAGE 20
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: ..\..\RiversideAirportADJU\KRAL_V9_ADJU\KRAL_v9.SFC Met Version: 16216
Profile file: ..\..\RiversideAirportADJU\KRAL_V9_ADJU\KRAL_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-25.6	0.266	-9.000	-9.000	-999.	330.	77.9	0.15	2.40	1.00	2.93	55.	10.1	288.1	2.0
12	01	01	1	02	-26.8	0.277	-9.000	-9.000	-999.	351.	84.7	0.15	2.40	1.00	3.05	55.	10.1	287.0	2.0
12	01	01	1	03	-21.5	0.221	-9.000	-9.000	-999.	250.	53.5	0.15	2.40	1.00	2.45	74.	10.1	284.2	2.0
12	01	01	1	04	-22.0	0.227	-9.000	-9.000	-999.	260.	56.8	0.15	2.40	1.00	2.52	77.	10.1	285.9	2.0
12	01	01	1	05	-20.0	0.206	-9.000	-9.000	-999.	225.	46.8	0.15	2.40	1.00	2.30	80.	10.1	285.4	2.0
12	01	01	1	06	-14.4	0.171	-9.000	-9.000	-999.	170.	32.1	0.15	2.40	1.00	1.93	79.	10.1	287.0	2.0
12	01	01	1	07	-14.9	0.174	-9.000	-9.000	-999.	174.	33.2	0.15	2.40	1.00	1.96	77.	10.1	284.2	2.0
12	01	01	1	08	-11.9	0.169	-9.000	-9.000	-999.	167.	36.1	0.15	2.40	0.53	1.89	77.	10.1	288.1	2.0
12	01	01	1	09	40.4	0.234	0.359	0.006	40.	272.	-28.1	0.15	2.40	0.31	2.10	81.	10.1	289.2	2.0
12	01	01	1	10	112.6	0.246	0.742	0.005	129.	293.	-11.8	0.15	2.40	0.24	1.99	101.	10.1	296.4	2.0
12	01	01	1	11	161.0	0.402	1.188	0.005	369.	611.	-35.6	0.15	2.40	0.21	3.68	78.	10.1	298.8	2.0
12	01	01	1	12	184.7	0.337	1.516	0.005	668.	473.	-18.4	0.15	2.40	0.20	2.89	68.	10.1	300.4	2.0
12	01	01	1	13	183.9	0.310	1.809	0.005	1139.	414.	-14.2	0.15	2.40	0.20	2.57	64.	10.1	302.5	2.0
12	01	01	1	14	156.6	0.374	1.852	0.005	1434.	549.	-29.5	0.15	2.40	0.22	3.37	63.	10.1	303.1	2.0
12	01	01	1	15	104.3	0.382	1.658	0.005	1546.	567.	-47.2	0.15	2.40	0.25	3.59	62.	10.1	302.5	2.0

```
12 01 01   1 16   31.8  0.374  1.123  0.005 1573.  550.   -145.8  0.15   2.40   0.34    3.76   69.   10.1  300.9    2.0
12 01 01   1 17  -23.3  0.276 -9.000 -9.000 -999.  354.     84.0  0.15   2.40   0.62    3.03   59.   10.1  297.5    2.0
12 01 01   1 18  -21.5  0.229 -9.000 -9.000 -999.  264.     57.8  0.15   2.40   1.00    2.54   54.   10.1  295.4    2.0
12 01 01   1 19  -19.3  0.204 -9.000 -9.000 -999.  221.     45.6  0.15   2.40   1.00    2.27   79.   10.1  292.0    2.0
12 01 01   1 20  -20.7  0.218 -9.000 -9.000 -999.  244.     52.2  0.15   2.40   1.00    2.42   79.   10.1  292.5    2.0
12 01 01   1 21  -19.7  0.206 -9.000 -9.000 -999.  225.     46.9  0.15   2.40   1.00    2.30   95.   10.1  290.9    2.0
12 01 01   1 22  -17.6  0.190 -9.000 -9.000 -999.  199.     39.8  0.15   2.40   1.00    2.13   78.   10.1  290.4    2.0
12 01 01   1 23  -20.3  0.211 -9.000 -9.000 -999.  233.     49.0  0.15   2.40   1.00    2.35   52.   10.1  289.2    2.0
12 01 01   1 24  -16.4  0.183 -9.000 -9.000 -999.  189.     37.0  0.15   2.40   1.00    2.06   75.   10.1  288.8    2.0
```

First hour of profile data

```
YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW   sigmaV
12 01 01 01    10.1 1   55.    2.93   288.2   99.0  -99.00  -99.00
```

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

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58

PAGE 21

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 ,

*** 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
465387.37	3764391.18	0.01149	464249.25	3763916.32	0.00186
464349.25	3763916.32	0.00201	464449.25	3763916.32	0.00216
464549.25	3763916.32	0.00235	464649.25	3763916.32	0.00250
464749.25	3763916.32	0.00263	464849.25	3763916.32	0.00274
464949.25	3763916.32	0.00279	465049.25	3763916.32	0.00279
465149.25	3763916.32	0.00269	465249.25	3763916.32	0.00248
465349.25	3763916.32	0.00210	465449.25	3763916.32	0.00176
465549.25	3763916.32	0.00147	465649.25	3763916.32	0.00124
465749.25	3763916.32	0.00107	465849.25	3763916.32	0.00097
465949.25	3763916.32	0.00094	466049.25	3763916.32	0.00095
466149.25	3763916.32	0.00099	466249.25	3763916.32	0.00104
466349.25	3763916.32	0.00109	466449.25	3763916.32	0.00114
466549.25	3763916.32	0.00119	466649.25	3763916.32	0.00123
466749.25	3763916.32	0.00126	466849.25	3763916.32	0.00128
466949.25	3763916.32	0.00130	467049.25	3763916.32	0.00131
467149.25	3763916.32	0.00131	464249.25	3764016.32	0.00194
464349.25	3764016.32	0.00212	464449.25	3764016.32	0.00232
464549.25	3764016.32	0.00256	464649.25	3764016.32	0.00277
464749.25	3764016.32	0.00298	464849.25	3764016.32	0.00319
464949.25	3764016.32	0.00336	465049.25	3764016.32	0.00347
465149.25	3764016.32	0.00348	465249.25	3764016.32	0.00335
465349.25	3764016.32	0.00310	465449.25	3764016.32	0.00254
465549.25	3764016.32	0.00204	465649.25	3764016.32	0.00166

465749.25	3764016.32	0.00139	465849.25	3764016.32	0.00126
465949.25	3764016.32	0.00123	466049.25	3764016.32	0.00127
466149.25	3764016.32	0.00133	466249.25	3764016.32	0.00141
466349.25	3764016.32	0.00149	466449.25	3764016.32	0.00155
466549.25	3764016.32	0.00160	466649.25	3764016.32	0.00164
466749.25	3764016.32	0.00166	466849.25	3764016.32	0.00167
466949.25	3764016.32	0.00167	467049.25	3764016.32	0.00166
467149.25	3764016.32	0.00164	464249.25	3764116.32	0.00199
464349.25	3764116.32	0.00220	464449.25	3764116.32	0.00244
464549.25	3764116.32	0.00273	464649.25	3764116.32	0.00301
464749.25	3764116.32	0.00331	464849.25	3764116.32	0.00363
464949.25	3764116.32	0.00394	465049.25	3764116.32	0.00424
465149.25	3764116.32	0.00445	465249.25	3764116.32	0.00453
465349.25	3764116.32	0.00444	465449.25	3764116.32	0.00398
465549.25	3764116.32	0.00304	465649.25	3764116.32	0.00239
465749.25	3764116.32	0.00193	465849.25	3764116.32	0.00174
465949.25	3764116.32	0.00174	466049.25	3764116.32	0.00184

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 ***
01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction ***
21:36:58

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** 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
466149.25	3764116.32	0.00195	466249.25	3764116.32	0.00205
466349.25	3764116.32	0.00214	466449.25	3764116.32	0.00219
466549.25	3764116.32	0.00221	466649.25	3764116.32	0.00221
466749.25	3764116.32	0.00221	466849.25	3764116.32	0.00218
466949.25	3764116.32	0.00214	467049.25	3764116.32	0.00210
467149.25	3764116.32	0.00204	464249.25	3764216.32	0.00201
464349.25	3764216.32	0.00224	464449.25	3764216.32	0.00254
464549.25	3764216.32	0.00290	464649.25	3764216.32	0.00319
464749.25	3764216.32	0.00360	464849.25	3764216.32	0.00402
464949.25	3764216.32	0.00451	465049.25	3764216.32	0.00504
465149.25	3764216.32	0.00554	465249.25	3764216.32	0.00603
465349.25	3764216.32	0.00638	465449.25	3764216.32	0.00632
465549.25	3764216.32	0.00518	465649.25	3764216.32	0.00395
465749.25	3764216.32	0.00299	465849.25	3764216.32	0.00276
465949.25	3764216.32	0.00287	466049.25	3764216.32	0.00301
466149.25	3764216.32	0.00312	466249.25	3764216.32	0.00317
466349.25	3764216.32	0.00318	466449.25	3764216.32	0.00316
466549.25	3764216.32	0.00309	466649.25	3764216.32	0.00301
466749.25	3764216.32	0.00292	466849.25	3764216.32	0.00283
466949.25	3764216.32	0.00273	467049.25	3764216.32	0.00262
467149.25	3764216.32	0.00251	464249.25	3764316.32	0.00202
464349.25	3764316.32	0.00226	464449.25	3764316.32	0.00253

464549.25	3764316.32	0.00285	464649.25	3764316.32	0.00329
464749.25	3764316.32	0.00379	464849.25	3764316.32	0.00431
464949.25	3764316.32	0.00497	465049.25	3764316.32	0.00576
465149.25	3764316.32	0.00664	465249.25	3764316.32	0.00768
465349.25	3764316.32	0.00874	465449.25	3764316.32	0.00991
465549.25	3764316.32	0.00963	465649.25	3764316.32	0.00893
465749.25	3764316.32	0.00668	465849.25	3764316.32	0.00612
465949.25	3764316.32	0.00572	466049.25	3764316.32	0.00541
466149.25	3764316.32	0.00518	466249.25	3764316.32	0.00495
466349.25	3764316.32	0.00470	466449.25	3764316.32	0.00448
466549.25	3764316.32	0.00424	466649.25	3764316.32	0.00401
466749.25	3764316.32	0.00381	466849.25	3764316.32	0.00360
466949.25	3764316.32	0.00340	467049.25	3764316.32	0.00321
467149.25	3764316.32	0.00303	464249.25	3764416.32	0.00200
464349.25	3764416.32	0.00224	464449.25	3764416.32	0.00255
464549.25	3764416.32	0.00290	464649.25	3764416.32	0.00331
464749.25	3764416.32	0.00383	464849.25	3764416.32	0.00447
464949.25	3764416.32	0.00527	465049.25	3764416.32	0.00627

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** 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
465149.25	3764416.32	0.00755	465249.25	3764416.32	0.00920
465349.25	3764416.32	0.01132	465449.25	3764416.32	0.01425
465549.25	3764416.32	0.01540	465849.25	3764416.32	0.01668
465949.25	3764416.32	0.01166	466049.25	3764416.32	0.00959
466149.25	3764416.32	0.00827	466249.25	3764416.32	0.00739
466349.25	3764416.32	0.00667	466449.25	3764416.32	0.00615
466549.25	3764416.32	0.00564	466649.25	3764416.32	0.00516
466749.25	3764416.32	0.00479	466849.25	3764416.32	0.00443
466949.25	3764416.32	0.00410	467049.25	3764416.32	0.00381
467149.25	3764416.32	0.00354	464249.25	3764516.32	0.00193
464349.25	3764516.32	0.00218	464449.25	3764516.32	0.00247
464549.25	3764516.32	0.00282	464649.25	3764516.32	0.00325
464749.25	3764516.32	0.00379	464849.25	3764516.32	0.00447
464949.25	3764516.32	0.00535	465049.25	3764516.32	0.00651
465149.25	3764516.32	0.00806	465249.25	3764516.32	0.01025
465349.25	3764516.32	0.01345	465449.25	3764516.32	0.01924
465549.25	3764516.32	0.03003	465949.25	3764516.32	0.02096
466049.25	3764516.32	0.01497	466149.25	3764516.32	0.01202
466249.25	3764516.32	0.01021	466349.25	3764516.32	0.00893
466449.25	3764516.32	0.00796	466549.25	3764516.32	0.00710
466649.25	3764516.32	0.00636	466749.25	3764516.32	0.00577

466849.25	3764516.32	0.00523	466949.25	3764516.32	0.00477
467049.25	3764516.32	0.00437	467149.25	3764516.32	0.00400
464249.25	3764616.32	0.00185	464349.25	3764616.32	0.00208
464449.25	3764616.32	0.00236	464549.25	3764616.32	0.00269
464649.25	3764616.32	0.00311	464749.25	3764616.32	0.00364
464849.25	3764616.32	0.00433	464949.25	3764616.32	0.00522
465049.25	3764616.32	0.00643	465149.25	3764616.32	0.00810
465249.25	3764616.32	0.01052	465349.25	3764616.32	0.01429
465449.25	3764616.32	0.02141	465549.25	3764616.32	0.04030
465949.25	3764616.32	0.03271	466049.25	3764616.32	0.02064
466149.25	3764616.32	0.01589	466249.25	3764616.32	0.01306
466349.25	3764616.32	0.01118	466449.25	3764616.32	0.00972
466549.25	3764616.32	0.00851	466649.25	3764616.32	0.00748
466749.25	3764616.32	0.00662	466849.25	3764616.32	0.00591
466949.25	3764616.32	0.00529	467049.25	3764616.32	0.00477
467149.25	3764616.32	0.00432	464249.25	3764716.32	0.00175
464349.25	3764716.32	0.00174	464449.25	3764716.32	0.00222
464549.25	3764716.32	0.00253	464649.25	3764716.32	0.00293
464749.25	3764716.32	0.00342	464849.25	3764716.32	0.00407

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** 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
464949.25	3764716.32	0.00491	465049.25	3764716.32	0.00607
465149.25	3764716.32	0.00770	465249.25	3764716.32	0.01009
465349.25	3764716.32	0.01369	465449.25	3764716.32	0.02055
465549.25	3764716.32	0.03689	466049.25	3764716.32	0.02791
466149.25	3764716.32	0.02013	466249.25	3764716.32	0.01602
466349.25	3764716.32	0.01330	466449.25	3764716.32	0.01122
466549.25	3764716.32	0.00958	466649.25	3764716.32	0.00821
466749.25	3764716.32	0.00713	466849.25	3764716.32	0.00625
466949.25	3764716.32	0.00553	467049.25	3764716.32	0.00494
467149.25	3764716.32	0.00444	464249.25	3764816.32	0.00158
464349.25	3764816.32	0.00156	464449.25	3764816.32	0.00192
464549.25	3764816.32	0.00225	464649.25	3764816.32	0.00264
464749.25	3764816.32	0.00310	464849.25	3764816.32	0.00373
464949.25	3764816.32	0.00449	465049.25	3764816.32	0.00552
465149.25	3764816.32	0.00698	465249.25	3764816.32	0.00912
465349.25	3764816.32	0.01218	465449.25	3764816.32	0.01803
465549.25	3764816.32	0.03130	466149.25	3764816.32	0.02701
466249.25	3764816.32	0.01947	466349.25	3764816.32	0.01490
466449.25	3764816.32	0.01201	466549.25	3764816.32	0.00984
466649.25	3764816.32	0.00828	466749.25	3764816.32	0.00709

466849.25	3764816.32	0.00617	466949.25	3764816.32	0.00544
467049.25	3764816.32	0.00483	467149.25	3764816.32	0.00432
464249.25	3764916.32	0.00150	464349.25	3764916.32	0.00167
464449.25	3764916.32	0.00169	464549.25	3764916.32	0.00191
464649.25	3764916.32	0.00227	464749.25	3764916.32	0.00268
464849.25	3764916.32	0.00323	464949.25	3764916.32	0.00400
465049.25	3764916.32	0.00487	465149.25	3764916.32	0.00608
465249.25	3764916.32	0.00768	465349.25	3764916.32	0.01016
465449.25	3764916.32	0.01460	465549.25	3764916.32	0.02515
466249.25	3764916.32	0.02016	466349.25	3764916.32	0.01410
466449.25	3764916.32	0.01091	466549.25	3764916.32	0.00891
466649.25	3764916.32	0.00749	466749.25	3764916.32	0.00644
466849.25	3764916.32	0.00561	466949.25	3764916.32	0.00495
467049.25	3764916.32	0.00441	467149.25	3764916.32	0.00396
464249.25	3765016.32	0.00143	464349.25	3765016.32	0.00158
464449.25	3765016.32	0.00170	464549.25	3765016.32	0.00101
464649.25	3765016.32	0.00128	464749.25	3765016.32	0.00246
464849.25	3765016.32	0.00286	464949.25	3765016.32	0.00351
465049.25	3765016.32	0.00420	465149.25	3765016.32	0.00513
465249.25	3765016.32	0.00625	465349.25	3765016.32	0.00809

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** 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
465449.25	3765016.32	0.01127	465549.25	3765016.32	0.01788
466049.25	3765016.32	0.02490	466149.25	3765016.32	0.01645
466249.25	3765016.32	0.01244	466349.25	3765016.32	0.01003
466449.25	3765016.32	0.00824	466549.25	3765016.32	0.00695
466649.25	3765016.32	0.00602	466749.25	3765016.32	0.00526
466849.25	3765016.32	0.00467	466949.25	3765016.32	0.00420
467049.25	3765016.32	0.00377	467149.25	3765016.32	0.00343
464249.25	3765116.32	0.00133	464349.25	3765116.32	0.00143
464449.25	3765116.32	0.00148	464549.25	3765116.32	0.00118
464649.25	3765116.32	0.00203	464749.25	3765116.32	0.00230
464849.25	3765116.32	0.00264	464949.25	3765116.32	0.00305
465049.25	3765116.32	0.00357	465149.25	3765116.32	0.00416
465249.25	3765116.32	0.00495	465349.25	3765116.32	0.00614
465449.25	3765116.32	0.00787	465549.25	3765116.32	0.01103
465649.25	3765116.32	0.02411	465849.25	3765116.32	0.01786
465949.25	3765116.32	0.01299	466049.25	3765116.32	0.01016
466149.25	3765116.32	0.00837	466249.25	3765116.32	0.00703
466349.25	3765116.32	0.00619	466449.25	3765116.32	0.00546
466549.25	3765116.32	0.00487	466649.25	3765116.32	0.00440

466749.25	3765116.32	0.00397	466849.25	3765116.32	0.00362
466949.25	3765116.32	0.00332	467049.25	3765116.32	0.00305
467149.25	3765116.32	0.00281	464249.25	3765216.32	0.00123
464349.25	3765216.32	0.00132	464449.25	3765216.32	0.00149
464549.25	3765216.32	0.00133	464649.25	3765216.32	0.00154
464749.25	3765216.32	0.00189	464849.25	3765216.32	0.00229
464949.25	3765216.32	0.00258	465049.25	3765216.32	0.00296
465149.25	3765216.32	0.00340	465249.25	3765216.32	0.00395
465349.25	3765216.32	0.00465	465449.25	3765216.32	0.00548
465549.25	3765216.32	0.00658	465649.25	3765216.32	0.00764
465749.25	3765216.32	0.00783	465849.25	3765216.32	0.00644
465949.25	3765216.32	0.00578	466049.25	3765216.32	0.00514
466149.25	3765216.32	0.00458	466249.25	3765216.32	0.00416
466349.25	3765216.32	0.00381	466449.25	3765216.32	0.00354
466549.25	3765216.32	0.00328	466649.25	3765216.32	0.00305
466749.25	3765216.32	0.00285	466849.25	3765216.32	0.00268
466949.25	3765216.32	0.00251	467049.25	3765216.32	0.00235
467149.25	3765216.32	0.00221	464249.25	3765316.32	0.00114
464349.25	3765316.32	0.00123	464449.25	3765316.32	0.00132
464549.25	3765316.32	0.00134	464649.25	3765316.32	0.00141
464749.25	3765316.32	0.00155	464849.25	3765316.32	0.00188

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58

PAGE 26

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** 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
464949.25	3765316.32	0.00221	465049.25	3765316.32	0.00251
465149.25	3765316.32	0.00280	465249.25	3765316.32	0.00315
465349.25	3765316.32	0.00356	465449.25	3765316.32	0.00391
465549.25	3765316.32	0.00423	465649.25	3765316.32	0.00431
465749.25	3765316.32	0.00407	465849.25	3765316.32	0.00395
465949.25	3765316.32	0.00339	466049.25	3765316.32	0.00311
466149.25	3765316.32	0.00286	466249.25	3765316.32	0.00267
466349.25	3765316.32	0.00250	466449.25	3765316.32	0.00236
466549.25	3765316.32	0.00224	466649.25	3765316.32	0.00213
466749.25	3765316.32	0.00204	466849.25	3765316.32	0.00195
466949.25	3765316.32	0.00187	467049.25	3765316.32	0.00178
467149.25	3765316.32	0.00171	464249.25	3765416.32	0.00105
464349.25	3765416.32	0.00112	464449.25	3765416.32	0.00121
464549.25	3765416.32	0.00128	464649.25	3765416.32	0.00127
464749.25	3765416.32	0.00146	464849.25	3765416.32	0.00159
464949.25	3765416.32	0.00187	465049.25	3765416.32	0.00213
465149.25	3765416.32	0.00234	465249.25	3765416.32	0.00256
465349.25	3765416.32	0.00275	465449.25	3765416.32	0.00290

465549.25	3765416.32	0.00296	465649.25	3765416.32	0.00288
465749.25	3765416.32	0.00266	465849.25	3765416.32	0.00246
465949.25	3765416.32	0.00239	466049.25	3765416.32	0.00219
466149.25	3765416.32	0.00202	466249.25	3765416.32	0.00189
466349.25	3765416.32	0.00179	466449.25	3765416.32	0.00170
466549.25	3765416.32	0.00162	466649.25	3765416.32	0.00155
466749.25	3765416.32	0.00149	466849.25	3765416.32	0.00144
466949.25	3765416.32	0.00140	467049.25	3765416.32	0.00135
467149.25	3765416.32	0.00131	464249.25	3765516.32	0.00097
464349.25	3765516.32	0.00104	464449.25	3765516.32	0.00110
464549.25	3765516.32	0.00116	464649.25	3765516.32	0.00121
464749.25	3765516.32	0.00135	464849.25	3765516.32	0.00150
464949.25	3765516.32	0.00164	465049.25	3765516.32	0.00180
465149.25	3765516.32	0.00196	465249.25	3765516.32	0.00209
465349.25	3765516.32	0.00214	465449.25	3765516.32	0.00221
465549.25	3765516.32	0.00216	465649.25	3765516.32	0.00204
465749.25	3765516.32	0.00193	465849.25	3765516.32	0.00187
465949.25	3765516.32	0.00183	466049.25	3765516.32	0.00167
466149.25	3765516.32	0.00155	466249.25	3765516.32	0.00146
466349.25	3765516.32	0.00138	466449.25	3765516.32	0.00131
466549.25	3765516.32	0.00125	466649.25	3765516.32	0.00120
466749.25	3765516.32	0.00115	466849.25	3765516.32	0.00111

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58

PAGE 27

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** 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
466949.25	3765516.32	0.00108	467049.25	3765516.32	0.00105
467149.25	3765516.32	0.00102	464249.25	3765616.32	0.00090
464349.25	3765616.32	0.00096	464449.25	3765616.32	0.00100
464549.25	3765616.32	0.00103	464649.25	3765616.32	0.00113
464749.25	3765616.32	0.00123	464849.25	3765616.32	0.00134
464949.25	3765616.32	0.00144	465049.25	3765616.32	0.00155
465149.25	3765616.32	0.00166	465249.25	3765616.32	0.00173
465349.25	3765616.32	0.00165	465449.25	3765616.32	0.00173
465549.25	3765616.32	0.00164	465649.25	3765616.32	0.00153
465749.25	3765616.32	0.00147	465849.25	3765616.32	0.00140
465949.25	3765616.32	0.00135	466049.25	3765616.32	0.00126
466149.25	3765616.32	0.00125	466249.25	3765616.32	0.00118
466349.25	3765616.32	0.00112	466449.25	3765616.32	0.00107
466549.25	3765616.32	0.00102	466649.25	3765616.32	0.00097
466749.25	3765616.32	0.00093	466849.25	3765616.32	0.00090
466949.25	3765616.32	0.00087	467049.25	3765616.32	0.00084
467149.25	3765616.32	0.00082	464249.25	3765716.32	0.00083

464349.25	3765716.32	0.00088	464449.25	3765716.32	0.00092
464549.25	3765716.32	0.00097	464649.25	3765716.32	0.00103
464749.25	3765716.32	0.00111	464849.25	3765716.32	0.00119
464949.25	3765716.32	0.00127	465049.25	3765716.32	0.00134
465149.25	3765716.32	0.00142	465249.25	3765716.32	0.00144
465349.25	3765716.32	0.00135	465449.25	3765716.32	0.00138
465549.25	3765716.32	0.00134	465649.25	3765716.32	0.00117
465749.25	3765716.32	0.00117	465849.25	3765716.32	0.00111
465949.25	3765716.32	0.00106	466049.25	3765716.32	0.00103
466149.25	3765716.32	0.00105	466249.25	3765716.32	0.00098
466349.25	3765716.32	0.00094	466449.25	3765716.32	0.00090
466549.25	3765716.32	0.00086	466649.25	3765716.32	0.00082
466749.25	3765716.32	0.00079	466849.25	3765716.32	0.00075
466949.25	3765716.32	0.00073	467049.25	3765716.32	0.00070
467149.25	3765716.32	0.00068	464249.25	3765816.32	0.00077
464349.25	3765816.32	0.00081	464449.25	3765816.32	0.00085
464549.25	3765816.32	0.00089	464649.25	3765816.32	0.00094
464749.25	3765816.32	0.00100	464849.25	3765816.32	0.00106
464949.25	3765816.32	0.00111	465049.25	3765816.32	0.00116
465149.25	3765816.32	0.00122	465249.25	3765816.32	0.00123
465349.25	3765816.32	0.00118	465449.25	3765816.32	0.00114
465549.25	3765816.32	0.00111	465649.25	3765816.32	0.00102
465749.25	3765816.32	0.00098	465849.25	3765816.32	0.00092

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58

PAGE 28

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** 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
465949.25	3765816.32	0.00087	466049.25	3765816.32	0.00086
466149.25	3765816.32	0.00088	466249.25	3765816.32	0.00084
466349.25	3765816.32	0.00081	466449.25	3765816.32	0.00077
466549.25	3765816.32	0.00074	466649.25	3765816.32	0.00071
466749.25	3765816.32	0.00068	466849.25	3765816.32	0.00065
466949.25	3765816.32	0.00063	467049.25	3765816.32	0.00060
467149.25	3765816.32	0.00059	464249.25	3765916.32	0.00071
464349.25	3765916.32	0.00074	464449.25	3765916.32	0.00077
464549.25	3765916.32	0.00079	464649.25	3765916.32	0.00085
464749.25	3765916.32	0.00090	464849.25	3765916.32	0.00094
464949.25	3765916.32	0.00098	465049.25	3765916.32	0.00102
465149.25	3765916.32	0.00105	465249.25	3765916.32	0.00105
465349.25	3765916.32	0.00102	465449.25	3765916.32	0.00098
465549.25	3765916.32	0.00093	465649.25	3765916.32	0.00087
465749.25	3765916.32	0.00083	465849.25	3765916.32	0.00077
465949.25	3765916.32	0.00074	466049.25	3765916.32	0.00075

466149.25	3765916.32	0.00075	466249.25	3765916.32	0.00072
466349.25	3765916.32	0.00070	466449.25	3765916.32	0.00067
466549.25	3765916.32	0.00065	466649.25	3765916.32	0.00062
466749.25	3765916.32	0.00060	466849.25	3765916.32	0.00058
466949.25	3765916.32	0.00055	467049.25	3765916.32	0.00053
467149.25	3765916.32	0.00052	464249.25	3766016.32	0.00065
464349.25	3766016.32	0.00068	464449.25	3766016.32	0.00071
464549.25	3766016.32	0.00072	464649.25	3766016.32	0.00076
464749.25	3766016.32	0.00081	464849.25	3766016.32	0.00084
464949.25	3766016.32	0.00087	465049.25	3766016.32	0.00090
465149.25	3766016.32	0.00091	465249.25	3766016.32	0.00090
465349.25	3766016.32	0.00087	465449.25	3766016.32	0.00084
465549.25	3766016.32	0.00079	465649.25	3766016.32	0.00076
465749.25	3766016.32	0.00072	465849.25	3766016.32	0.00071
465949.25	3766016.32	0.00070	466049.25	3766016.32	0.00068
466149.25	3766016.32	0.00065	466249.25	3766016.32	0.00063
466349.25	3766016.32	0.00061	466449.25	3766016.32	0.00059
466549.25	3766016.32	0.00057	466649.25	3766016.32	0.00055
466749.25	3766016.32	0.00053	466849.25	3766016.32	0.00051
466949.25	3766016.32	0.00049	467049.25	3766016.32	0.00048
467149.25	3766016.32	0.00046	464249.25	3766116.32	0.00060
464349.25	3766116.32	0.00062	464449.25	3766116.32	0.00065
464549.25	3766116.32	0.00067	464649.25	3766116.32	0.00070
464749.25	3766116.32	0.00073	464849.25	3766116.32	0.00076

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** 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
464949.25	3766116.32	0.00078	465049.25	3766116.32	0.00079
465149.25	3766116.32	0.00079	465249.25	3766116.32	0.00077
465349.25	3766116.32	0.00075	465449.25	3766116.32	0.00073
465549.25	3766116.32	0.00069	465649.25	3766116.32	0.00066
465749.25	3766116.32	0.00067	465849.25	3766116.32	0.00064
465949.25	3766116.32	0.00061	466049.25	3766116.32	0.00059
466149.25	3766116.32	0.00057	466249.25	3766116.32	0.00056
466349.25	3766116.32	0.00054	466449.25	3766116.32	0.00053
466549.25	3766116.32	0.00051	466649.25	3766116.32	0.00050
466749.25	3766116.32	0.00048	466849.25	3766116.32	0.00046
466949.25	3766116.32	0.00045	467049.25	3766116.32	0.00043
467149.25	3766116.32	0.00042	464249.25	3766216.32	0.00056
464349.25	3766216.32	0.00057	464449.25	3766216.32	0.00060
464549.25	3766216.32	0.00062	464649.25	3766216.32	0.00064
464749.25	3766216.32	0.00067	464849.25	3766216.32	0.00069

464949.25	3766216.32	0.00070	465049.25	3766216.32	0.00071
465149.25	3766216.32	0.00070	465249.25	3766216.32	0.00068
465349.25	3766216.32	0.00066	465449.25	3766216.32	0.00064
465549.25	3766216.32	0.00062	465649.25	3766216.32	0.00061
465749.25	3766216.32	0.00059	465849.25	3766216.32	0.00056
465949.25	3766216.32	0.00054	466049.25	3766216.32	0.00053
466149.25	3766216.32	0.00051	466249.25	3766216.32	0.00050
466349.25	3766216.32	0.00048	466449.25	3766216.32	0.00047
466549.25	3766216.32	0.00046	466649.25	3766216.32	0.00045
466749.25	3766216.32	0.00043	466849.25	3766216.32	0.00042
466949.25	3766216.32	0.00041	467049.25	3766216.32	0.00039
467149.25	3766216.32	0.00038	464249.25	3766316.32	0.00051
464349.25	3766316.32	0.00052	464449.25	3766316.32	0.00055
464549.25	3766316.32	0.00057	464649.25	3766316.32	0.00059
464749.25	3766316.32	0.00061	464849.25	3766316.32	0.00063
464949.25	3766316.32	0.00064	465049.25	3766316.32	0.00063
465149.25	3766316.32	0.00062	465249.25	3766316.32	0.00061
465349.25	3766316.32	0.00059	465449.25	3766316.32	0.00057
465549.25	3766316.32	0.00055	465649.25	3766316.32	0.00054
465749.25	3766316.32	0.00052	465849.25	3766316.32	0.00050
465949.25	3766316.32	0.00048	466049.25	3766316.32	0.00047
466149.25	3766316.32	0.00046	466249.25	3766316.32	0.00045
466349.25	3766316.32	0.00043	466449.25	3766316.32	0.00042
466549.25	3766316.32	0.00041	466649.25	3766316.32	0.00040
466749.25	3766316.32	0.00039	466849.25	3766316.32	0.00038

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** 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
466949.25	3766316.32	0.00037	467049.25	3766316.32	0.00036
467149.25	3766316.32	0.00035	464249.25	3766416.32	0.00048
464349.25	3766416.32	0.00049	464449.25	3766416.32	0.00051
464549.25	3766416.32	0.00053	464649.25	3766416.32	0.00055
464749.25	3766416.32	0.00056	464849.25	3766416.32	0.00057
464949.25	3766416.32	0.00057	465049.25	3766416.32	0.00057
465149.25	3766416.32	0.00056	465249.25	3766416.32	0.00054
465349.25	3766416.32	0.00052	465449.25	3766416.32	0.00051
465549.25	3766416.32	0.00050	465649.25	3766416.32	0.00048
465749.25	3766416.32	0.00046	465849.25	3766416.32	0.00045
465949.25	3766416.32	0.00043	466049.25	3766416.32	0.00042
466149.25	3766416.32	0.00041	466249.25	3766416.32	0.00040
466349.25	3766416.32	0.00039	466449.25	3766416.32	0.00038
466549.25	3766416.32	0.00038	466649.25	3766416.32	0.00037

466749.25	3766416.32	0.00036	466849.25	3766416.32	0.00035
466949.25	3766416.32	0.00034	467049.25	3766416.32	0.00033
467149.25	3766416.32	0.00032	464249.25	3766516.32	0.00044
464349.25	3766516.32	0.00045	464449.25	3766516.32	0.00047
464549.25	3766516.32	0.00049	464649.25	3766516.32	0.00050
464749.25	3766516.32	0.00051	464849.25	3766516.32	0.00052
464949.25	3766516.32	0.00052	465049.25	3766516.32	0.00051
465149.25	3766516.32	0.00050	465249.25	3766516.32	0.00049
465349.25	3766516.32	0.00047	465449.25	3766516.32	0.00047
465549.25	3766516.32	0.00045	465649.25	3766516.32	0.00043
465749.25	3766516.32	0.00042	465849.25	3766516.32	0.00040
465949.25	3766516.32	0.00039	466049.25	3766516.32	0.00038
466149.25	3766516.32	0.00037	466249.25	3766516.32	0.00037
466349.25	3766516.32	0.00036	466449.25	3766516.32	0.00035
466549.25	3766516.32	0.00034	466649.25	3766516.32	0.00034
466749.25	3766516.32	0.00033	466849.25	3766516.32	0.00032
466949.25	3766516.32	0.00032	467049.25	3766516.32	0.00031
467149.25	3766516.32	0.00030	464249.25	3766616.32	0.00041
464349.25	3766616.32	0.00042	464449.25	3766616.32	0.00044
464549.25	3766616.32	0.00045	464649.25	3766616.32	0.00046
464749.25	3766616.32	0.00047	464849.25	3766616.32	0.00047
464949.25	3766616.32	0.00047	465049.25	3766616.32	0.00046
465149.25	3766616.32	0.00045	465249.25	3766616.32	0.00044
465349.25	3766616.32	0.00043	465449.25	3766616.32	0.00042
465549.25	3766616.32	0.00040	465649.25	3766616.32	0.00039
465749.25	3766616.32	0.00038	465849.25	3766616.32	0.00037

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** 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
465949.25	3766616.32	0.00036	466049.25	3766616.32	0.00035
466149.25	3766616.32	0.00034	466249.25	3766616.32	0.00033
466349.25	3766616.32	0.00033	466449.25	3766616.32	0.00032
466549.25	3766616.32	0.00032	466649.25	3766616.32	0.00031
466749.25	3766616.32	0.00030	466849.25	3766616.32	0.00030
466949.25	3766616.32	0.00029	467049.25	3766616.32	0.00028
467149.25	3766616.32	0.00028	464249.25	3766716.32	0.00038
464349.25	3766716.32	0.00040	464449.25	3766716.32	0.00041
464549.25	3766716.32	0.00042	464649.25	3766716.32	0.00043
464749.25	3766716.32	0.00043	464849.25	3766716.32	0.00043
464949.25	3766716.32	0.00042	465049.25	3766716.32	0.00042
465149.25	3766716.32	0.00041	465249.25	3766716.32	0.00040
465349.25	3766716.32	0.00039	465449.25	3766716.32	0.00038

465549.25	3766716.32	0.00037	465649.25	3766716.32	0.00035
465749.25	3766716.32	0.00034	465849.25	3766716.32	0.00032
465949.25	3766716.32	0.00033	466049.25	3766716.32	0.00031
466149.25	3766716.32	0.00031	466249.25	3766716.32	0.00030
466349.25	3766716.32	0.00030	466449.25	3766716.32	0.00030
466549.25	3766716.32	0.00029	466649.25	3766716.32	0.00029
466749.25	3766716.32	0.00028	466849.25	3766716.32	0.00028
466949.25	3766716.32	0.00027	467049.25	3766716.32	0.00026
467149.25	3766716.32	0.00026	464249.25	3766816.32	0.00036
464349.25	3766816.32	0.00037	464449.25	3766816.32	0.00039
464549.25	3766816.32	0.00039	464649.25	3766816.32	0.00040
464749.25	3766816.32	0.00040	464849.25	3766816.32	0.00039
464949.25	3766816.32	0.00039	465049.25	3766816.32	0.00038
465149.25	3766816.32	0.00037	465249.25	3766816.32	0.00036
465349.25	3766816.32	0.00035	465449.25	3766816.32	0.00033
465549.25	3766816.32	0.00032	465649.25	3766816.32	0.00031
465749.25	3766816.32	0.00031	465849.25	3766816.32	0.00031
465949.25	3766816.32	0.00029	466049.25	3766816.32	0.00028
466149.25	3766816.32	0.00028	466249.25	3766816.32	0.00028
466349.25	3766816.32	0.00027	466449.25	3766816.32	0.00027
466549.25	3766816.32	0.00027	466649.25	3766816.32	0.00026
466749.25	3766816.32	0.00026	466849.25	3766816.32	0.00026
466949.25	3766816.32	0.00025	467049.25	3766816.32	0.00025
467149.25	3766816.32	0.00024	464249.25	3766916.32	0.00034
464349.25	3766916.32	0.00035	464449.25	3766916.32	0.00036
464549.25	3766916.32	0.00036	464649.25	3766916.32	0.00037
464749.25	3766916.32	0.00037	464849.25	3766916.32	0.00036

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 ,

*** 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
464949.25	3766916.32	0.00036	465049.25	3766916.32	0.00035
465149.25	3766916.32	0.00034	465249.25	3766916.32	0.00033
465349.25	3766916.32	0.00032	465449.25	3766916.32	0.00030
465549.25	3766916.32	0.00029	465649.25	3766916.32	0.00028
465749.25	3766916.32	0.00028	465849.25	3766916.32	0.00027
465949.25	3766916.32	0.00027	466049.25	3766916.32	0.00026
466149.25	3766916.32	0.00026	466249.25	3766916.32	0.00025
466349.25	3766916.32	0.00025	466449.25	3766916.32	0.00025
466549.25	3766916.32	0.00025	466649.25	3766916.32	0.00025
466749.25	3766916.32	0.00024	466849.25	3766916.32	0.00024
466949.25	3766916.32	0.00023	467049.25	3766916.32	0.00023
467149.25	3766916.32	0.00023	464249.25	3767016.32	0.00032

464349.25	3767016.32	0.00033	464449.25	3767016.32	0.00034
464549.25	3767016.32	0.00034	464649.25	3767016.32	0.00034
464749.25	3767016.32	0.00034	464849.25	3767016.32	0.00033
464949.25	3767016.32	0.00033	465049.25	3767016.32	0.00032
465149.25	3767016.32	0.00031	465249.25	3767016.32	0.00030
465349.25	3767016.32	0.00029	465449.25	3767016.32	0.00028
465549.25	3767016.32	0.00027	465649.25	3767016.32	0.00026
465749.25	3767016.32	0.00026	465849.25	3767016.32	0.00025
465949.25	3767016.32	0.00024	466049.25	3767016.32	0.00024
466149.25	3767016.32	0.00024	466249.25	3767016.32	0.00023
466349.25	3767016.32	0.00023	466449.25	3767016.32	0.00023
466549.25	3767016.32	0.00023	466649.25	3767016.32	0.00023
466749.25	3767016.32	0.00023	466849.25	3767016.32	0.00022
466949.25	3767016.32	0.00022	467049.25	3767016.32	0.00022
467149.25	3767016.32	0.00021	464249.25	3767116.32	0.00030
464349.25	3767116.32	0.00031	464449.25	3767116.32	0.00031
464549.25	3767116.32	0.00031	464649.25	3767116.32	0.00031
464749.25	3767116.32	0.00031	464849.25	3767116.32	0.00031
464949.25	3767116.32	0.00030	465049.25	3767116.32	0.00029
465149.25	3767116.32	0.00028	465249.25	3767116.32	0.00027
465349.25	3767116.32	0.00026	465449.25	3767116.32	0.00025
465549.25	3767116.32	0.00025	465649.25	3767116.32	0.00024
465749.25	3767116.32	0.00023	465849.25	3767116.32	0.00023
465949.25	3767116.32	0.00022	466049.25	3767116.32	0.00022
466149.25	3767116.32	0.00022	466249.25	3767116.32	0.00022
466349.25	3767116.32	0.00022	466449.25	3767116.32	0.00021
466549.25	3767116.32	0.00021	466649.25	3767116.32	0.00021
466749.25	3767116.32	0.00021	466849.25	3767116.32	0.00021

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58

PAGE 33

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** 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
466949.25	3767116.32	0.00021	467049.25	3767116.32	0.00020
467149.25	3767116.32	0.00020	464249.25	3767216.32	0.00029
464349.25	3767216.32	0.00029	464449.25	3767216.32	0.00029
464549.25	3767216.32	0.00029	464649.25	3767216.32	0.00029
464749.25	3767216.32	0.00029	464849.25	3767216.32	0.00028
464949.25	3767216.32	0.00028	465049.25	3767216.32	0.00027
465149.25	3767216.32	0.00026	465249.25	3767216.32	0.00025
465349.25	3767216.32	0.00024	465449.25	3767216.32	0.00023
465549.25	3767216.32	0.00023	465649.25	3767216.32	0.00022
465749.25	3767216.32	0.00021	465849.25	3767216.32	0.00021
465949.25	3767216.32	0.00021	466049.25	3767216.32	0.00021

466149.25	3767216.32	0.00021	466249.25	3767216.32	0.00020
466349.25	3767216.32	0.00020	466449.25	3767216.32	0.00020
466549.25	3767216.32	0.00020	466649.25	3767216.32	0.00020
466749.25	3767216.32	0.00020	466849.25	3767216.32	0.00020
466949.25	3767216.32	0.00019	467049.25	3767216.32	0.00019
467149.25	3767216.32	0.00019	464249.25	3767316.32	0.00027
464349.25	3767316.32	0.00027	464449.25	3767316.32	0.00027
464549.25	3767316.32	0.00027	464649.25	3767316.32	0.00027
464749.25	3767316.32	0.00027	464849.25	3767316.32	0.00026
464949.25	3767316.32	0.00026	465049.25	3767316.32	0.00025
465149.25	3767316.32	0.00024	465249.25	3767316.32	0.00023
465349.25	3767316.32	0.00022	465449.25	3767316.32	0.00022
465549.25	3767316.32	0.00021	465649.25	3767316.32	0.00020
465749.25	3767316.32	0.00020	465849.25	3767316.32	0.00020
465949.25	3767316.32	0.00019	466049.25	3767316.32	0.00019
466149.25	3767316.32	0.00019	466249.25	3767316.32	0.00019
466349.25	3767316.32	0.00019	466449.25	3767316.32	0.00019
466549.25	3767316.32	0.00019	466649.25	3767316.32	0.00018
466749.25	3767316.32	0.00018	466849.25	3767316.32	0.00018
466949.25	3767316.32	0.00018	467049.25	3767316.32	0.00018
467149.25	3767316.32	0.00018	464249.25	3767416.32	0.00025
464349.25	3767416.32	0.00025	464449.25	3767416.32	0.00026
464549.25	3767416.32	0.00026	464649.25	3767416.32	0.00025
464749.25	3767416.32	0.00025	464849.25	3767416.32	0.00024
464949.25	3767416.32	0.00024	465049.25	3767416.32	0.00023
465149.25	3767416.32	0.00022	465249.25	3767416.32	0.00022
465349.25	3767416.32	0.00021	465449.25	3767416.32	0.00020
465549.25	3767416.32	0.00019	465649.25	3767416.32	0.00019
465749.25	3767416.32	0.00018	465849.25	3767416.32	0.00018

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** 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
465949.25	3767416.32	0.00018	466049.25	3767416.32	0.00018
466149.25	3767416.32	0.00018	466249.25	3767416.32	0.00018
466349.25	3767416.32	0.00018	466449.25	3767416.32	0.00018
466549.25	3767416.32	0.00018	466649.25	3767416.32	0.00017
466749.25	3767416.32	0.00017	466849.25	3767416.32	0.00017
466949.25	3767416.32	0.00017	467049.25	3767416.32	0.00017
467149.25	3767416.32	0.00017	464249.25	3767516.32	0.00024
464349.25	3767516.32	0.00024	464449.25	3767516.32	0.00024
464549.25	3767516.32	0.00024	464649.25	3767516.32	0.00024
464749.25	3767516.32	0.00023	464849.25	3767516.32	0.00023

464949.25	3767516.32	0.00022	465049.25	3767516.32	0.00021
465149.25	3767516.32	0.00021	465249.25	3767516.32	0.00020
465349.25	3767516.32	0.00019	465449.25	3767516.32	0.00019
465549.25	3767516.32	0.00018	465649.25	3767516.32	0.00018
465749.25	3767516.32	0.00017	465849.25	3767516.32	0.00017
465949.25	3767516.32	0.00017	466049.25	3767516.32	0.00017
466149.25	3767516.32	0.00017	466249.25	3767516.32	0.00017
466349.25	3767516.32	0.00017	466449.25	3767516.32	0.00017
466549.25	3767516.32	0.00017	466649.25	3767516.32	0.00017
466749.25	3767516.32	0.00016	466849.25	3767516.32	0.00016
466949.25	3767516.32	0.00016	467049.25	3767516.32	0.00016
467149.25	3767516.32	0.00016	464249.25	3767616.32	0.00023
464349.25	3767616.32	0.00023	464449.25	3767616.32	0.00023
464549.25	3767616.32	0.00022	464649.25	3767616.32	0.00022
464749.25	3767616.32	0.00021	464849.25	3767616.32	0.00021
464949.25	3767616.32	0.00020	465049.25	3767616.32	0.00020
465149.25	3767616.32	0.00019	465249.25	3767616.32	0.00019
465349.25	3767616.32	0.00018	465449.25	3767616.32	0.00017
465549.25	3767616.32	0.00017	465649.25	3767616.32	0.00016
465749.25	3767616.32	0.00016	465849.25	3767616.32	0.00016
465949.25	3767616.32	0.00016	466049.25	3767616.32	0.00016
466149.25	3767616.32	0.00016	466249.25	3767616.32	0.00016
466349.25	3767616.32	0.00016	466449.25	3767616.32	0.00016
466549.25	3767616.32	0.00016	466649.25	3767616.32	0.00016
466749.25	3767616.32	0.00015	466849.25	3767616.32	0.00015
466949.25	3767616.32	0.00015	467049.25	3767616.32	0.00015
467149.25	3767616.32	0.00015	464249.25	3767716.32	0.00021
464349.25	3767716.32	0.00021	464449.25	3767716.32	0.00021
464549.25	3767716.32	0.00021	464649.25	3767716.32	0.00020
464749.25	3767716.32	0.00020	464849.25	3767716.32	0.00020

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 ,

*** 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
464949.25	3767716.32	0.00019	465049.25	3767716.32	0.00019
465149.25	3767716.32	0.00018	465249.25	3767716.32	0.00017
465349.25	3767716.32	0.00017	465449.25	3767716.32	0.00016
465549.25	3767716.32	0.00016	465649.25	3767716.32	0.00015
465749.25	3767716.32	0.00015	465849.25	3767716.32	0.00015
465949.25	3767716.32	0.00015	466049.25	3767716.32	0.00015
466149.25	3767716.32	0.00015	466249.25	3767716.32	0.00015
466349.25	3767716.32	0.00015	466449.25	3767716.32	0.00015
466549.25	3767716.32	0.00015	466649.25	3767716.32	0.00015

466749.25	3767716.32	0.00015	466849.25	3767716.32	0.00015
466949.25	3767716.32	0.00014	467049.25	3767716.32	0.00014
467149.25	3767716.32	0.00014	464249.25	3767816.32	0.00020
464349.25	3767816.32	0.00020	464449.25	3767816.32	0.00020
464549.25	3767816.32	0.00019	464649.25	3767816.32	0.00019
464749.25	3767816.32	0.00019	464849.25	3767816.32	0.00018
464949.25	3767816.32	0.00018	465049.25	3767816.32	0.00017
465149.25	3767816.32	0.00017	465249.25	3767816.32	0.00016
465349.25	3767816.32	0.00016	465449.25	3767816.32	0.00015
465549.25	3767816.32	0.00015	465649.25	3767816.32	0.00014
465749.25	3767816.32	0.00014	465849.25	3767816.32	0.00014
465949.25	3767816.32	0.00014	466049.25	3767816.32	0.00014
466149.25	3767816.32	0.00014	466249.25	3767816.32	0.00014
466349.25	3767816.32	0.00014	466449.25	3767816.32	0.00014
466549.25	3767816.32	0.00014	466649.25	3767816.32	0.00014
466749.25	3767816.32	0.00014	466849.25	3767816.32	0.00014
466949.25	3767816.32	0.00014	467049.25	3767816.32	0.00013
467149.25	3767816.32	0.00013	465576.19	3765931.31	0.00089

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58

PAGE 36

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

GROUP ID	AVERAGE CONC	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE GRID-ID
ALL	1ST HIGHEST VALUE IS	0.04030 AT (465549.25, 3764616.32, 269.01, 269.01, 0.00)	DC
	2ND HIGHEST VALUE IS	0.03689 AT (465549.25, 3764716.32, 270.99, 270.99, 0.00)	DC
	3RD HIGHEST VALUE IS	0.03271 AT (465949.25, 3764616.32, 252.00, 252.00, 0.00)	DC
	4TH HIGHEST VALUE IS	0.03130 AT (465549.25, 3764816.32, 271.33, 271.33, 0.00)	DC
	5TH HIGHEST VALUE IS	0.03003 AT (465549.25, 3764516.32, 267.98, 267.98, 0.00)	DC
	6TH HIGHEST VALUE IS	0.02791 AT (466049.25, 3764716.32, 253.00, 253.00, 0.00)	DC
	7TH HIGHEST VALUE IS	0.02701 AT (466149.25, 3764816.32, 253.33, 253.33, 0.00)	DC
	8TH HIGHEST VALUE IS	0.02515 AT (465549.25, 3764916.32, 273.66, 273.66, 0.00)	DC
	9TH HIGHEST VALUE IS	0.02490 AT (466049.25, 3765016.32, 253.99, 253.99, 0.00)	DC
	10TH HIGHEST VALUE IS	0.02411 AT (465649.25, 3765116.32, 272.49, 275.00, 0.00)	DC

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

*** AERMOD - VERSION 18081 *** *** San Bernardino Holly Street/FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM - Construction *** 21:36:58

PAGE 37

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1638 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1039 Calm Hours Identified

A Total of 599 Missing Hours Identified (1.37 Percent)

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

******** WARNING MESSAGES ********
ME W186 70 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 70 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

San Bernardino FedEx/Holly Street Project 2020 Onsite Daily Emissions

Year: 2020 1/9/2019
Pollutant: DPM

Number of Daily Vehicle Trips (Project Traffic Memorandum, January 9, 2019)

Worker Vehicles:(Enter/Exit)	432
Tractor Shuttles	432
	864 @

Vehicle Mix

Worker Vehicles (light duty auto, light duty trucks, and medium duty trucks)
Traactor Shuttles: (DSL heavy heavy duty truck)

Offsite Vehicle Trip Travel Route

Length of Onsite Trip from Entrance to Center of Project: 225 meters of 0.14 miles

Onsite Vehicle Travel Speeds

Worker vehicles and worker shuttles:	5 mph
Trailer Shuttles:	5 mph

Tractor Vehicle Idling Time: 15 minutes

Year: 2020
Pollutant: DPM

Vehicles	Emissions (g/day)	Emissions (lbs/sday)	Emissions (g/sec)
Daily Onsite Travel Emissions from Tractor Shuttles:	3.442E+00	7.581E-03	3.984E-05
Daily Onsite Travel Emissions from Worker Vehicles	1.493E-02	3.289E-05	1.728E-07
Daily Onsite Idling Emissions from Tracter Shuttles	1.944E+00	4.282E-03	2.250E-05
Total	5.401E+00	1.190E-02	6.251E-05

Size of the Area Source Where the Onsite Emissions Will Occur:	150320	sq-m
Area Source Emissions for Onsite Emission Sources::	4.158E-10	g/m2-sec

San Bernardino FedEx/Holly Street Project 2020 Revised

Estimation of Tractor Shuttle DPM Emissions

Year: **2020**
Pollutant: **DPM**

Hours of Operation: **24**
Days of Operation: **365**

Onsite Vehicle Travel Emissions (Tractor Shuttle vehicles assumed to be DSL fueled)

Vehicle Class	Shuttle Trips per day	Emission Factor at 5 mph (g/mi)	Trip Length (mi)	Daily Emissions (g/day)	Daily Emissions ((lbs/day)	Daily Emissions (g/sec)
HHDT-DSL	432	0.057	0.14	3.4	0.008	3.984E-05

Emission factors derived from the Web Database of EMFAC2017 for San Bernardino County

Onsite Vehicle Idling Emissions (Tractor Shuttle Trucks)

Idling Time: 15 min/truck/day

Vehicle Class	Shuttle Vehicles per day	Emission Factor Idling (g/hr)	Daily Emissions (g/day)	Daily Emissions (lbs/day)	Daily Emissions (g/sec)
HHDT-DSL	216	0.036	1.9	0.004	2.250E-05

San Bernardino FedEx/Holly Street Project **2020** **Revised**

Estimation of Worker Vehicle DPM Emissions

Year: **2020**
Pollutant: **DPM**

Hours of Operation: **24**
Days of Operation: **365**

Emission factors derived from the Web Database of EMFAC2017 for San Bernardino County

Onsite Vehicle Travel Emissions (Worker Vehicles)

Vehicle Emissions

Vehicle Class	Shuttle Trips per day	Emission Factor at 5 mph (g/mi)	Trip Length (mi)	Daily Emissions (g/day)	Daily Emissions ((lbs/day)	Daily Emissions (g/sec)
LDA-DSL	2	0.032	0.14	0.01	2.066E-05	1.085E-07
LDT1-DSL	0	0.758	0.14	0.00	1.775E-06	9.328E-09
LDT2-DSL	0	0.020	0.14	0.00	2.491E-06	1.309E-08
MDV-DSL	1	0.020	0.14	0.00	7.968E-06	4.187E-08
			Total	**0.01**	**3.29E-05**	**1.73E-07**

San Bernardino FedEx/Holly Street Project **Year:** **2020**

Vehicle Class Dirstributions from EMFAC2017 for San Bernardino County in 2020
for Worker Vehicles

VMT for San Bernardino County from EMFAC2017

	Vehicle	Fuel	VMT	Vehicle	Fuel	VMT	Total	%GAS	%DSL
2020	LDA	DSL	293,431	LDA	GAS	36,867,297	37,160,727	99.2%	0.8%
2020	LDT1	DSL	1,068	LDT1	GAS	3,339,879	3,340,947	100.0%	0.0%
2020	LDT2	DSL	57,701	LDT2	GAS	10,910,047	10,967,747	99.5%	0.5%
2020	LHDT1	DSL	834,808	LHDT1	GAS	893,860	1,728,669	51.7%	48.3%
2020	LHDT2	DSL	309,444	LHDT2	GAS	142,454	451,898	31.5%	68.5%
2020	MDV	DSL	178,779	MDV	GAS	8,975,648	9,154,427	98.0%	2.0%
2020	T6-MHDT	DSL	1,156,918	T6-MHDT	GAS	145,180	1,302,098	11.1%	88.9%
2020	T7-HHDT	DSL	3,999,355	T7-HHDT	GAS	712	4,000,066	0.0%	100.0%
							68,106,581		

	Vehicle	Total	%Total
2020	LDA	37,160,727	61.3%
2020	LDT1	3,340,947	5.5%
2020	LDT2	10,967,747	18.1%
2020	MDV	9,154,427	15.1%
2020	Total	60,623,850	100.0%

Project Fleet Mix (Inout into CalEEMod)

	Daily Trips	% Total	% DSL	% Worker Vehicles
Worker Vehicles	432			
LDA	265	30.6%	0.8%	61.3%
LDT1	24	2.8%	0.0%	5.5%
LDT2	78	9.0%	0.5%	18.1%
MDV	65	7.6%	2.0%	15.1%
SubTotal	432	50.0%		
Tractor Shuttle	432	50.0%		
Total Trips	864	100.0%		

San Bernardino FedEx/Holly Street Project **Daily Offsite DPM Emissions** 1/9/2019

Year: 2020
Pollutant: DPM

Number of Daily Vehicle Trips (Project Traffic Memorandum, January 9, 2019)

Worker Vehicles:	432
Trailer Shuttles:	432
	864

Vehicle Mix

Worker Vehicles (light duty auto, light duty trucks, and medium duty trucks)
Traictor Shuttles: (DSL heavy- heavy duty truck)

Offsite Vehicle Trip Travel Route

Trip Route:	FedEx>Resourcce Dr>S.Riverside Ave>Agua Mansa St>N. Holly St>Project		
Length of Offsite Travel Trip Route:	3466	meters of	2.15 miles

Offsite Vehicle Travel Speeds

Worker vehicles:	35	mph
Tractor Shuttles:	25	mph

San Bernardino FedEx/Holly Street Project **01/09/2019** **Daily Offsite Emissions Summary**

Year: 2020
Pollutant: DPM

Vehicles	Emissions (g/day)	Emissions (lbs/sday)	Emissions (g/sec)
Daily Emissions from Tractor Shuttles:	4.576E+01	1.008E-01	5.297E-04
Daily Emissions from Worker Vehicles	6.827E-02	1.504E-04	7.902E-07
Total	4.583E+01	1.010E-01	5.305E-04

San Bernardino FedEx/Holly Street Project

Project Estimation of Offsite Trailer Shuttle DPM Emissions

Year: **2020**
Pollutant: **DPM**

Hours of Operation: **24**
Days of Operation: **365**

Vehicle Emissions

Vehicle Class	Shuttle Trips per day	Emission Factor at 25 mph (g/mi)	Trip Length (mi)	Daily Emissions (g/day)	Daily Emissions ((lbs/day)	Daily Emissions (g/sec)
HHDT-DSL	432	0.0492	2.15	45.8	0.101	0.000530

Emission factors derived from the Web Database of EMFAC2017 for San Bernardino County

San Bernardino FedEx/Holly Street Project

Estimation of Offsite Worker Vehicle and Worker Shuttle Emissions

Year: **2020**
Pollutant: **DPM**

Hours of Operation: **24**
Days of Operation: **365**

Vehicle Fleet Mix for Worker Shuttles (DSL Vehicles)

Vehicle Emissions

Vehicle Clas	Shuttle Trips per day	Emission Factor at 35 mph (g/mi)	Trip Length (mi)	Daily Emissions (g/day)	Daily Emissions ((lbs/day)	Daily Emissions (g/sec)
LDA-DSL	2	0.0092	2.15	0.04	9.123E-05	4.794E-07
LDT1-DSL	0	0.1715	2.15	0.00	6.189E-06	3.252E-08
LDT2-DSL	0	0.0064	2.15	0.01	1.248E-05	6.558E-08
MDV-DSL	1	0.0067	2.15	0.02	4.048E-05	2.127E-07
			Total	0.07	1.50E-04	7.90E-07

Emission factors derived from the Web Database of EMFAC2017 for San Bernardino County

San Bernardino FedEx/Holly Street Project Year: 2020

Vehicle Class Dirstributions from EMGAC2017 for San Bernardino County in 2020
for Worker Vehicles

VMT for San Bernardino County from EMFAC2017

	Vehicle	Fuel	VMT	Vehicle	Fuel	VMT	Total	%GAS	%DSL
2020	LDA	DSL	293,431	LDA	GAS	36,867,297	37,160,727	99.2%	0.8%
2020	LDT1	DSL	1,068	LDT1	GAS	3,339,879	3,340,947	100.0%	0.0%
2020	LDT2	DSL	57,701	LDT2	GAS	10,910,047	10,967,747	99.5%	0.5%
2020	LHDT1	DSL	834,808	LHDT1	GAS	893,860	1,728,669	51.7%	48.3%
2020	LHDT2	DSL	309,444	LHDT2	GAS	142,454	451,898	31.5%	68.5%
2020	MDV	DSL	178,779	MDV	GAS	8,975,648	9,154,427	98.0%	2.0%
2020	T6-MHDT	DSL	1,156,918	T6-MHDT	GAS	145,180	1,302,098	11.1%	88.9%
2020	T7-HHDT	DSL	3,999,355	T7-HHDT	GAS	712	4,000,066	0.0%	100.0%
							68,106,581		

	Vehicle	Total	%Total
2020	LDA	37,160,727	61.3%
2020	LDT1	3,340,947	5.5%
2020	LDT2	10,967,747	18.1%
2020	MDV	9,154,427	15.1%
2020	Total	60,623,850	100.0%

Fleet Mix (Input into CalEEMod)

	Daily Trips	Trips % Total	% Diesel	% Worker Vehicles
Worker Vehicles	432			
LDA	265	61.3%	0.8%	61.3%
LDT1	24	5.5%	0.0%	5.5%
LDT2	78	18.1%	0.5%	18.1%
MDV	65	15.1%	2.0%	15.1%
Total	432	100.0%		
Truck Shuttle				
HHDT	432	50.0%	100.0%	
Total Trips	864			

♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 ***
01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM ***
19:58:06
PAGE 1
*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 358 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2200000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified 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. Full Conversion Assumed for NO2.
6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
FASTALL - Use effective sigma-y to optimize meander for
POINT and VOLUME sources, and hybrid approach
to optimize AREA sources (formerly TOXICS option)
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: 358 Source(s); 1 Source Group(s); and 1174 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 357 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE 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) = 245.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.9 MB of RAM.

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

**Detailed Error/Message File: HollyStOperation_01092019.err
**File for Summary of Results: HollyStOperation_01092019.sum
♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06
PAGE 2
*** MODELOPTs: NonDFAULT CONC ELEV FASTALL 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
L0000001	0	0.14860E-05	465856.9	3767477.7	295.0	3.66	4.54	0.85	YES	
L0000002	0	0.14860E-05	465859.4	3767468.3	294.7	3.66	4.54	0.85	YES	
L0000003	0	0.14860E-05	465861.9	3767458.8	294.4	3.66	4.54	0.85	YES	
L0000004	0	0.14860E-05	465864.4	3767449.4	294.1	3.66	4.54	0.85	YES	
L0000005	0	0.14860E-05	465866.8	3767440.0	293.9	3.66	4.54	0.85	YES	
L0000006	0	0.14860E-05	465869.3	3767430.5	293.7	3.66	4.54	0.85	YES	
L0000007	0	0.14860E-05	465871.8	3767421.1	293.4	3.66	4.54	0.85	YES	
L0000008	0	0.14860E-05	465874.3	3767411.7	293.0	3.66	4.54	0.85	YES	
L0000009	0	0.14860E-05	465876.7	3767402.2	292.6	3.66	4.54	0.85	YES	
L0000010	0	0.14860E-05	465879.2	3767392.8	292.2	3.66	4.54	0.85	YES	
L0000011	0	0.14860E-05	465881.7	3767383.4	292.0	3.66	4.54	0.85	YES	
L0000012	0	0.14860E-05	465884.1	3767373.9	292.0	3.66	4.54	0.85	YES	
L0000013	0	0.14860E-05	465886.6	3767364.5	292.0	3.66	4.54	0.85	YES	
L0000014	0	0.14860E-05	465889.1	3767355.1	292.0	3.66	4.54	0.85	YES	
L0000015	0	0.14860E-05	465891.6	3767345.6	291.9	3.66	4.54	0.85	YES	

L0000016	0	0.14860E-05	465894.0	3767336.2	291.7	3.66	4.54	0.85	YES
L0000017	0	0.14860E-05	465896.5	3767326.8	291.4	3.66	4.54	0.85	YES
L0000018	0	0.14860E-05	465899.0	3767317.3	291.2	3.66	4.54	0.85	YES
L0000019	0	0.14860E-05	465901.5	3767307.9	291.1	3.66	4.54	0.85	YES
L0000020	0	0.14860E-05	465903.9	3767298.5	291.0	3.66	4.54	0.85	YES
L0000021	0	0.14860E-05	465906.4	3767289.0	290.8	3.66	4.54	0.85	YES
L0000022	0	0.14860E-05	465908.9	3767279.6	290.4	3.66	4.54	0.85	YES
L0000023	0	0.14860E-05	465911.4	3767270.1	290.1	3.66	4.54	0.85	YES
L0000024	0	0.14860E-05	465913.8	3767260.7	289.9	3.66	4.54	0.85	YES
L0000025	0	0.14860E-05	465916.3	3767251.3	289.8	3.66	4.54	0.85	YES
L0000026	0	0.14860E-05	465918.8	3767241.8	289.7	3.66	4.54	0.85	YES
L0000027	0	0.14860E-05	465921.2	3767232.4	289.5	3.66	4.54	0.85	YES
L0000028	0	0.14860E-05	465923.7	3767223.0	289.3	3.66	4.54	0.85	YES
L0000029	0	0.14860E-05	465926.2	3767213.5	289.1	3.66	4.54	0.85	YES
L0000030	0	0.14860E-05	465928.7	3767204.1	289.1	3.66	4.54	0.85	YES
L0000031	0	0.14860E-05	465931.1	3767194.7	289.5	3.66	4.54	0.85	YES
L0000032	0	0.14860E-05	465933.6	3767185.2	289.9	3.66	4.54	0.85	YES
L0000033	0	0.14860E-05	465936.1	3767175.8	290.2	3.66	4.54	0.85	YES
L0000034	0	0.14860E-05	465938.6	3767166.4	291.0	3.66	4.54	0.85	YES
L0000035	0	0.14860E-05	465941.0	3767156.9	291.8	3.66	4.54	0.85	YES
L0000036	0	0.14860E-05	465943.5	3767147.5	292.5	3.66	4.54	0.85	YES
L0000037	0	0.14860E-05	465946.0	3767138.1	292.4	3.66	4.54	0.85	YES
L0000038	0	0.14860E-05	465948.5	3767128.6	292.1	3.66	4.54	0.85	YES
L0000039	0	0.14860E-05	465950.9	3767119.2	291.9	3.66	4.54	0.85	YES
L0000040	0	0.14860E-05	465953.4	3767109.8	291.5	3.66	4.54	0.85	YES

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000041	0	0.14860E-05	465955.9	3767100.3	291.1	3.66	4.54	0.85	YES	
L0000042	0	0.14860E-05	465958.4	3767090.9	290.8	3.66	4.54	0.85	YES	
L0000043	0	0.14860E-05	465960.8	3767081.5	290.4	3.66	4.54	0.85	YES	
L0000044	0	0.14860E-05	465963.3	3767072.0	289.9	3.66	4.54	0.85	YES	
L0000045	0	0.14860E-05	465965.8	3767062.6	289.4	3.66	4.54	0.85	YES	
L0000046	0	0.14860E-05	465968.2	3767053.1	288.9	3.66	4.54	0.85	YES	
L0000047	0	0.14860E-05	465970.7	3767043.7	288.1	3.66	4.54	0.85	YES	
L0000048	0	0.14860E-05	465973.2	3767034.3	287.5	3.66	4.54	0.85	YES	
L0000049	0	0.14860E-05	465975.7	3767024.8	286.9	3.66	4.54	0.85	YES	
L0000050	0	0.14860E-05	465978.1	3767015.4	286.6	3.66	4.54	0.85	YES	
L0000051	0	0.14860E-05	465980.6	3767006.0	286.3	3.66	4.54	0.85	YES	
L0000052	0	0.14860E-05	465983.1	3766996.5	286.0	3.66	4.54	0.85	YES	
L0000053	0	0.14860E-05	465985.6	3766987.1	285.5	3.66	4.54	0.85	YES	
L0000054	0	0.14860E-05	465988.0	3766977.7	285.0	3.66	4.54	0.85	YES	
L0000055	0	0.14860E-05	465990.5	3766968.2	284.4	3.66	4.54	0.85	YES	
L0000056	0	0.14860E-05	465993.0	3766958.8	283.9	3.66	4.54	0.85	YES	

L0000057	0	0.14860E-05	465995.5	3766949.4	283.5	3.66	4.54	0.85	YES
L0000058	0	0.14860E-05	465997.9	3766939.9	283.1	3.66	4.54	0.85	YES
L0000059	0	0.14860E-05	466000.4	3766930.5	282.8	3.66	4.54	0.85	YES
L0000060	0	0.14860E-05	466002.9	3766921.1	282.5	3.66	4.54	0.85	YES
L0000061	0	0.14860E-05	466005.3	3766911.6	282.2	3.66	4.54	0.85	YES
L0000062	0	0.14860E-05	466007.8	3766902.2	281.9	3.66	4.54	0.85	YES
L0000063	0	0.14860E-05	466010.0	3766892.7	281.5	3.66	4.54	0.85	YES
L0000064	0	0.14860E-05	466012.1	3766883.2	281.2	3.66	4.54	0.85	YES
L0000065	0	0.14860E-05	466014.2	3766873.6	280.9	3.66	4.54	0.85	YES
L0000066	0	0.14860E-05	466016.3	3766864.1	280.8	3.66	4.54	0.85	YES
L0000067	0	0.14860E-05	466018.4	3766854.6	280.5	3.66	4.54	0.85	YES
L0000068	0	0.14860E-05	466020.5	3766845.1	280.2	3.66	4.54	0.85	YES
L0000069	0	0.14860E-05	466022.6	3766835.5	279.8	3.66	4.54	0.85	YES
L0000070	0	0.14860E-05	466024.7	3766826.0	279.4	3.66	4.54	0.85	YES
L0000071	0	0.14860E-05	466026.8	3766816.5	279.0	3.66	4.54	0.85	YES
L0000072	0	0.14860E-05	466028.9	3766807.0	278.7	3.66	4.54	0.85	YES
L0000073	0	0.14860E-05	466031.0	3766797.4	278.4	3.66	4.54	0.85	YES
L0000074	0	0.14860E-05	466033.1	3766787.9	278.1	3.66	4.54	0.85	YES
L0000075	0	0.14860E-05	466035.2	3766778.4	277.5	3.66	4.54	0.85	YES
L0000076	0	0.14860E-05	466037.3	3766768.9	276.8	3.66	4.54	0.85	YES
L0000077	0	0.14860E-05	466039.4	3766759.3	276.2	3.66	4.54	0.85	YES
L0000078	0	0.14860E-05	466041.5	3766749.8	275.9	3.66	4.54	0.85	YES
L0000079	0	0.14860E-05	466043.6	3766740.3	275.7	3.66	4.54	0.85	YES
L0000080	0	0.14860E-05	466045.7	3766730.8	275.6	3.66	4.54	0.85	YES

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL 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
L0000081	0	0.14860E-05	466047.8	3766721.2	275.4	3.66	4.54	0.85	YES	
L0000082	0	0.14860E-05	466049.9	3766711.7	275.2	3.66	4.54	0.85	YES	
L0000083	0	0.14860E-05	466052.0	3766702.2	274.9	3.66	4.54	0.85	YES	
L0000084	0	0.14860E-05	466054.1	3766692.7	274.8	3.66	4.54	0.85	YES	
L0000085	0	0.14860E-05	466056.2	3766683.1	274.7	3.66	4.54	0.85	YES	
L0000086	0	0.14860E-05	466058.3	3766673.6	274.9	3.66	4.54	0.85	YES	
L0000087	0	0.14860E-05	466060.4	3766664.1	274.9	3.66	4.54	0.85	YES	
L0000088	0	0.14860E-05	466062.5	3766654.6	274.6	3.66	4.54	0.85	YES	
L0000089	0	0.14860E-05	466064.6	3766645.0	274.3	3.66	4.54	0.85	YES	
L0000090	0	0.14860E-05	466066.7	3766635.5	273.9	3.66	4.54	0.85	YES	
L0000091	0	0.14860E-05	466068.8	3766626.0	272.6	3.66	4.54	0.85	YES	
L0000092	0	0.14860E-05	466070.9	3766616.5	271.4	3.66	4.54	0.85	YES	
L0000093	0	0.14860E-05	466073.0	3766606.9	270.4	3.66	4.54	0.85	YES	
L0000094	0	0.14860E-05	466075.1	3766597.4	270.4	3.66	4.54	0.85	YES	
L0000095	0	0.14860E-05	466077.2	3766587.9	270.5	3.66	4.54	0.85	YES	
L0000096	0	0.14860E-05	466079.2	3766578.4	270.7	3.66	4.54	0.85	YES	
L0000097	0	0.14860E-05	466081.3	3766568.8	271.0	3.66	4.54	0.85	YES	

L0000098	0	0.14860E-05	466083.4	3766559.3	271.3	3.66	4.54	0.85	YES
L0000099	0	0.14860E-05	466085.5	3766549.8	271.6	3.66	4.54	0.85	YES
L0000100	0	0.14860E-05	466087.6	3766540.3	271.8	3.66	4.54	0.85	YES
L0000101	0	0.14860E-05	466089.7	3766530.7	272.0	3.66	4.54	0.85	YES
L0000102	0	0.14860E-05	466091.8	3766521.2	272.0	3.66	4.54	0.85	YES
L0000103	0	0.14860E-05	466093.9	3766511.7	272.0	3.66	4.54	0.85	YES
L0000104	0	0.14860E-05	466096.0	3766502.2	272.0	3.66	4.54	0.85	YES
L0000105	0	0.14860E-05	466098.1	3766492.6	272.0	3.66	4.54	0.85	YES
L0000106	0	0.14860E-05	466100.2	3766483.1	271.9	3.66	4.54	0.85	YES
L0000107	0	0.14860E-05	466102.3	3766473.6	271.6	3.66	4.54	0.85	YES
L0000108	0	0.14860E-05	466104.4	3766464.1	271.2	3.66	4.54	0.85	YES
L0000109	0	0.14860E-05	466104.1	3766455.4	271.0	3.66	4.54	0.85	YES
L0000110	0	0.14860E-05	466096.4	3766449.5	271.0	3.66	4.54	0.85	YES
L0000111	0	0.14860E-05	466088.7	3766443.5	271.0	3.66	4.54	0.85	YES
L0000112	0	0.14860E-05	466080.9	3766437.6	270.8	3.66	4.54	0.85	YES
L0000113	0	0.14860E-05	466073.2	3766431.7	270.6	3.66	4.54	0.85	YES
L0000114	0	0.14860E-05	466065.4	3766425.7	270.2	3.66	4.54	0.85	YES
L0000115	0	0.14860E-05	466057.7	3766419.8	270.2	3.66	4.54	0.85	YES
L0000116	0	0.14860E-05	466050.0	3766413.8	270.0	3.66	4.54	0.85	YES
L0000117	0	0.14860E-05	466042.2	3766407.9	269.7	3.66	4.54	0.85	YES
L0000118	0	0.14860E-05	466034.5	3766402.0	269.3	3.66	4.54	0.85	YES
L0000119	0	0.14860E-05	466026.7	3766396.0	268.9	3.66	4.54	0.85	YES
L0000120	0	0.14860E-05	466019.0	3766390.1	268.9	3.66	4.54	0.85	YES

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL 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
L0000121	0	0.14860E-05	466011.3	3766384.2	268.8	3.66	4.54	0.85	YES	
L0000122	0	0.14860E-05	466003.5	3766378.2	268.7	3.66	4.54	0.85	YES	
L0000123	0	0.14860E-05	465995.8	3766372.3	268.7	3.66	4.54	0.85	YES	
L0000124	0	0.14860E-05	465988.1	3766366.3	268.6	3.66	4.54	0.85	YES	
L0000125	0	0.14860E-05	465980.3	3766360.4	268.6	3.66	4.54	0.85	YES	
L0000126	0	0.14860E-05	465972.6	3766354.5	268.5	3.66	4.54	0.85	YES	
L0000127	0	0.14860E-05	465964.8	3766348.5	268.5	3.66	4.54	0.85	YES	
L0000128	0	0.14860E-05	465957.1	3766342.6	268.5	3.66	4.54	0.85	YES	
L0000129	0	0.14860E-05	465949.4	3766336.7	268.3	3.66	4.54	0.85	YES	
L0000130	0	0.14860E-05	465941.6	3766330.7	268.3	3.66	4.54	0.85	YES	
L0000131	0	0.14860E-05	465933.9	3766324.8	268.3	3.66	4.54	0.85	YES	
L0000132	0	0.14860E-05	465926.1	3766318.9	268.3	3.66	4.54	0.85	YES	
L0000133	0	0.14860E-05	465918.4	3766312.9	268.2	3.66	4.54	0.85	YES	
L0000134	0	0.14860E-05	465911.0	3766306.6	268.1	3.66	4.54	0.85	YES	
L0000135	0	0.14860E-05	465904.1	3766299.7	268.2	3.66	4.54	0.85	YES	
L0000136	0	0.14860E-05	465897.2	3766292.8	268.5	3.66	4.54	0.85	YES	
L0000137	0	0.14860E-05	465890.3	3766285.9	268.7	3.66	4.54	0.85	YES	
L0000138	0	0.14860E-05	465883.4	3766279.0	268.9	3.66	4.54	0.85	YES	

L0000139	0	0.14860E-05	465876.5	3766272.1	269.1	3.66	4.54	0.85	YES
L0000140	0	0.14860E-05	465869.6	3766265.2	269.1	3.66	4.54	0.85	YES
L0000141	0	0.14860E-05	465862.7	3766258.3	269.1	3.66	4.54	0.85	YES
L0000142	0	0.14860E-05	465855.8	3766251.4	269.1	3.66	4.54	0.85	YES
L0000143	0	0.14860E-05	465848.9	3766244.5	269.0	3.66	4.54	0.85	YES
L0000144	0	0.14860E-05	465842.0	3766237.7	268.8	3.66	4.54	0.85	YES
L0000145	0	0.14860E-05	465835.1	3766230.8	268.8	3.66	4.54	0.85	YES
L0000146	0	0.14860E-05	465828.2	3766223.9	268.8	3.66	4.54	0.85	YES
L0000147	0	0.14860E-05	465821.3	3766217.0	269.0	3.66	4.54	0.85	YES
L0000148	0	0.14860E-05	465814.4	3766210.1	269.0	3.66	4.54	0.85	YES
L0000149	0	0.14860E-05	465807.5	3766203.2	269.2	3.66	4.54	0.85	YES
L0000150	0	0.14860E-05	465800.6	3766196.3	269.4	3.66	4.54	0.85	YES
L0000151	0	0.14860E-05	465793.7	3766189.4	269.8	3.66	4.54	0.85	YES
L0000152	0	0.14860E-05	465786.8	3766182.5	270.1	3.66	4.54	0.85	YES
L0000153	0	0.14860E-05	465779.9	3766175.6	270.4	3.66	4.54	0.85	YES
L0000154	0	0.14860E-05	465773.0	3766168.7	270.9	3.66	4.54	0.85	YES
L0000155	0	0.14860E-05	465766.1	3766161.8	271.4	3.66	4.54	0.85	YES
L0000156	0	0.14860E-05	465759.2	3766154.9	272.1	3.66	4.54	0.85	YES
L0000157	0	0.14860E-05	465753.7	3766147.1	272.5	3.66	4.54	0.85	YES
L0000158	0	0.14860E-05	465749.8	3766138.2	272.9	3.66	4.54	0.85	YES
L0000159	0	0.14860E-05	465745.9	3766129.2	273.4	3.66	4.54	0.85	YES
L0000160	0	0.14860E-05	465742.0	3766120.3	273.7	3.66	4.54	0.85	YES

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL 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
L0000161	0	0.14860E-05	465738.0	3766111.3	274.1	3.66	4.54	0.85	YES	
L0000162	0	0.14860E-05	465734.1	3766102.4	274.5	3.66	4.54	0.85	YES	
L0000163	0	0.14860E-05	465730.2	3766093.5	275.2	3.66	4.54	0.85	YES	
L0000164	0	0.14860E-05	465726.3	3766084.5	276.4	3.66	4.54	0.85	YES	
L0000165	0	0.14860E-05	465722.4	3766075.6	277.5	3.66	4.54	0.85	YES	
L0000166	0	0.14860E-05	465718.5	3766066.7	278.5	3.66	4.54	0.85	YES	
L0000167	0	0.14860E-05	465714.6	3766057.7	279.4	3.66	4.54	0.85	YES	
L0000168	0	0.14860E-05	465710.7	3766048.8	280.2	3.66	4.54	0.85	YES	
L0000169	0	0.14860E-05	465706.8	3766039.8	280.7	3.66	4.54	0.85	YES	
L0000170	0	0.14860E-05	465702.9	3766030.9	280.9	3.66	4.54	0.85	YES	
L0000171	0	0.14860E-05	465699.0	3766022.0	281.0	3.66	4.54	0.85	YES	
L0000172	0	0.14860E-05	465695.1	3766013.0	281.2	3.66	4.54	0.85	YES	
L0000173	0	0.14860E-05	465691.2	3766004.1	281.4	3.66	4.54	0.85	YES	
L0000174	0	0.14860E-05	465686.7	3765995.4	281.8	3.66	4.54	0.85	YES	
L0000175	0	0.14860E-05	465681.6	3765987.1	282.2	3.66	4.54	0.85	YES	
L0000176	0	0.14860E-05	465676.5	3765978.8	282.7	3.66	4.54	0.85	YES	
L0000177	0	0.14860E-05	465671.4	3765970.5	282.9	3.66	4.54	0.85	YES	
L0000178	0	0.14860E-05	465666.3	3765962.2	283.1	3.66	4.54	0.85	YES	
L0000179	0	0.14860E-05	465661.2	3765953.9	283.2	3.66	4.54	0.85	YES	

L0000180	0	0.14860E-05	465656.1	3765945.6	283.5	3.66	4.54	0.85	YES
L0000181	0	0.14860E-05	465650.9	3765937.3	283.9	3.66	4.54	0.85	YES
L0000182	0	0.14860E-05	465645.8	3765929.0	284.4	3.66	4.54	0.85	YES
L0000183	0	0.14860E-05	465640.7	3765920.7	284.8	3.66	4.54	0.85	YES
L0000184	0	0.14860E-05	465635.6	3765912.4	285.0	3.66	4.54	0.85	YES
L0000185	0	0.14860E-05	465630.5	3765904.1	285.0	3.66	4.54	0.85	YES
L0000186	0	0.14860E-05	465625.4	3765895.8	285.0	3.66	4.54	0.85	YES
L0000187	0	0.14860E-05	465620.3	3765887.4	285.0	3.66	4.54	0.85	YES
L0000188	0	0.14860E-05	465615.2	3765879.1	285.2	3.66	4.54	0.85	YES
L0000189	0	0.14860E-05	465610.1	3765870.8	285.5	3.66	4.54	0.85	YES
L0000190	0	0.14860E-05	465604.9	3765862.5	285.8	3.66	4.54	0.85	YES
L0000191	0	0.14860E-05	465599.8	3765854.2	286.0	3.66	4.54	0.85	YES
L0000192	0	0.14860E-05	465594.7	3765845.9	286.0	3.66	4.54	0.85	YES
L0000193	0	0.14860E-05	465589.6	3765837.6	286.0	3.66	4.54	0.85	YES
L0000194	0	0.14860E-05	465584.5	3765829.3	286.0	3.66	4.54	0.85	YES
L0000195	0	0.14860E-05	465579.4	3765821.0	285.8	3.66	4.54	0.85	YES
L0000196	0	0.14860E-05	465574.3	3765812.7	285.4	3.66	4.54	0.85	YES
L0000197	0	0.14860E-05	465569.2	3765804.4	285.2	3.66	4.54	0.85	YES
L0000198	0	0.14860E-05	465564.1	3765796.1	285.0	3.66	4.54	0.85	YES
L0000199	0	0.14860E-05	465558.9	3765787.8	285.2	3.66	4.54	0.85	YES
L0000200	0	0.14860E-05	465553.8	3765779.5	285.2	3.66	4.54	0.85	YES

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	BASE X (METERS)	BASE Y (METERS)	RELEASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000201	0	0.14860E-05	465548.7	3765771.2	285.0	3.66	4.54	0.85	YES	
L0000202	0	0.14860E-05	465543.6	3765762.8	285.1	3.66	4.54	0.85	YES	
L0000203	0	0.14860E-05	465538.5	3765754.5	285.2	3.66	4.54	0.85	YES	
L0000204	0	0.14860E-05	465533.4	3765746.2	285.3	3.66	4.54	0.85	YES	
L0000205	0	0.14860E-05	465528.3	3765737.9	285.3	3.66	4.54	0.85	YES	
L0000206	0	0.14860E-05	465523.2	3765729.6	285.1	3.66	4.54	0.85	YES	
L0000207	0	0.14860E-05	465518.0	3765721.3	285.0	3.66	4.54	0.85	YES	
L0000208	0	0.14860E-05	465512.9	3765713.0	285.1	3.66	4.54	0.85	YES	
L0000209	0	0.14860E-05	465507.8	3765704.7	285.0	3.66	4.54	0.85	YES	
L0000210	0	0.14860E-05	465502.7	3765696.4	285.0	3.66	4.54	0.85	YES	
L0000211	0	0.14860E-05	465501.2	3765688.9	285.0	3.66	4.54	0.85	YES	
L0000212	0	0.14860E-05	465509.5	3765683.7	285.0	3.66	4.54	0.85	YES	
L0000213	0	0.14860E-05	465517.7	3765678.5	285.0	3.66	4.54	0.85	YES	
L0000214	0	0.14860E-05	465526.0	3765673.3	285.2	3.66	4.54	0.85	YES	
L0000215	0	0.14860E-05	465534.2	3765668.1	285.6	3.66	4.54	0.85	YES	
L0000216	0	0.14860E-05	465542.5	3765662.9	286.1	3.66	4.54	0.85	YES	
L0000217	0	0.14860E-05	465550.7	3765657.7	286.7	3.66	4.54	0.85	YES	
L0000218	0	0.14860E-05	465559.0	3765652.5	286.9	3.66	4.54	0.85	YES	
L0000219	0	0.14860E-05	465567.2	3765647.3	287.0	3.66	4.54	0.85	YES	
L0000220	0	0.14860E-05	465575.5	3765642.1	287.1	3.66	4.54	0.85	YES	

L0000221	0	0.14860E-05	465583.7	3765636.9	287.4	3.66	4.54	0.85	YES
L0000222	0	0.14860E-05	465592.0	3765631.7	287.7	3.66	4.54	0.85	YES
L0000223	0	0.14860E-05	465600.2	3765626.5	287.9	3.66	4.54	0.85	YES
L0000224	0	0.14860E-05	465608.5	3765621.3	288.0	3.66	4.54	0.85	YES
L0000225	0	0.14860E-05	465616.7	3765616.1	288.0	3.66	4.54	0.85	YES
L0000226	0	0.14860E-05	465625.0	3765610.9	287.8	3.66	4.54	0.85	YES
L0000227	0	0.14860E-05	465633.2	3765605.7	287.6	3.66	4.54	0.85	YES
L0000228	0	0.14860E-05	465641.5	3765600.5	287.4	3.66	4.54	0.85	YES
L0000229	0	0.14860E-05	465649.7	3765595.3	286.9	3.66	4.54	0.85	YES
L0000230	0	0.14860E-05	465658.0	3765590.1	286.5	3.66	4.54	0.85	YES
L0000231	0	0.14860E-05	465666.3	3765584.9	286.1	3.66	4.54	0.85	YES
L0000232	0	0.14860E-05	465674.5	3765579.7	285.6	3.66	4.54	0.85	YES
L0000233	0	0.14860E-05	465682.8	3765574.5	285.2	3.66	4.54	0.85	YES
L0000234	0	0.14860E-05	465691.0	3765569.3	284.7	3.66	4.54	0.85	YES
L0000235	0	0.14860E-05	465699.3	3765564.1	284.3	3.66	4.54	0.85	YES
L0000236	0	0.14860E-05	465707.5	3765558.9	284.1	3.66	4.54	0.85	YES
L0000237	0	0.14860E-05	465715.8	3765553.7	283.9	3.66	4.54	0.85	YES
L0000238	0	0.14860E-05	465724.0	3765548.5	283.8	3.66	4.54	0.85	YES
L0000239	0	0.14860E-05	465732.3	3765543.4	283.4	3.66	4.54	0.85	YES
L0000240	0	0.14860E-05	465740.5	3765538.2	282.7	3.66	4.54	0.85	YES

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	BASE X (METERS)	BASE Y (METERS)	RELEASE ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000241	0	0.14860E-05	465748.8	3765533.0	282.3	3.66	4.54	0.85	YES	
L0000242	0	0.14860E-05	465757.0	3765527.8	282.1	3.66	4.54	0.85	YES	
L0000243	0	0.14860E-05	465765.3	3765522.6	281.9	3.66	4.54	0.85	YES	
L0000244	0	0.14860E-05	465773.5	3765517.4	281.6	3.66	4.54	0.85	YES	
L0000245	0	0.14860E-05	465781.8	3765512.2	281.0	3.66	4.54	0.85	YES	
L0000246	0	0.14860E-05	465790.0	3765507.0	280.3	3.66	4.54	0.85	YES	
L0000247	0	0.14860E-05	465798.3	3765501.8	279.8	3.66	4.54	0.85	YES	
L0000248	0	0.14860E-05	465806.5	3765496.6	279.4	3.66	4.54	0.85	YES	
L0000249	0	0.14860E-05	465814.8	3765491.4	279.5	3.66	4.54	0.85	YES	
L0000250	0	0.14860E-05	465823.1	3765486.2	279.5	3.66	4.54	0.85	YES	
L0000251	0	0.14860E-05	465830.8	3765480.5	279.3	3.66	4.54	0.85	YES	
L0000252	0	0.14860E-05	465835.0	3765471.7	279.6	3.66	4.54	0.85	YES	
L0000253	0	0.14860E-05	465839.3	3765462.9	279.7	3.66	4.54	0.85	YES	
L0000254	0	0.14860E-05	465843.5	3765454.1	279.7	3.66	4.54	0.85	YES	
L0000255	0	0.14860E-05	465847.7	3765445.4	279.7	3.66	4.54	0.85	YES	
L0000256	0	0.14860E-05	465852.0	3765436.6	280.0	3.66	4.54	0.85	YES	
L0000257	0	0.14860E-05	465855.6	3765427.7	279.8	3.66	4.54	0.85	YES	
L0000258	0	0.14860E-05	465855.0	3765417.9	279.5	3.66	4.54	0.85	YES	
L0000259	0	0.14860E-05	465854.5	3765408.2	279.4	3.66	4.54	0.85	YES	
L0000260	0	0.14860E-05	465854.0	3765398.4	278.3	3.66	4.54	0.85	YES	
L0000261	0	0.14860E-05	465853.5	3765388.7	277.1	3.66	4.54	0.85	YES	

L0000262	0	0.14860E-05	465853.0	3765379.0	275.9	3.66	4.54	0.85	YES
L0000263	0	0.14860E-05	465848.9	3765370.4	275.8	3.66	4.54	0.85	YES
L0000264	0	0.14860E-05	465843.4	3765362.3	275.8	3.66	4.54	0.85	YES
L0000265	0	0.14860E-05	465838.0	3765354.3	275.7	3.66	4.54	0.85	YES
L0000266	0	0.14860E-05	465832.5	3765346.2	275.5	3.66	4.54	0.85	YES
L0000267	0	0.14860E-05	465827.1	3765338.1	275.3	3.66	4.54	0.85	YES
L0000268	0	0.14860E-05	465821.6	3765330.0	275.3	3.66	4.54	0.85	YES
L0000269	0	0.14860E-05	465816.1	3765321.9	275.3	3.66	4.54	0.85	YES
L0000270	0	0.14860E-05	465810.7	3765313.8	275.2	3.66	4.54	0.85	YES
L0000271	0	0.14860E-05	465803.7	3765307.1	275.2	3.66	4.54	0.85	YES
L0000272	0	0.14860E-05	465796.2	3765300.9	275.3	3.66	4.54	0.85	YES
L0000273	0	0.14860E-05	465788.6	3765294.7	275.3	3.66	4.54	0.85	YES
L0000274	0	0.14860E-05	465781.1	3765288.5	275.4	3.66	4.54	0.85	YES
L0000275	0	0.14860E-05	465773.6	3765282.3	275.3	3.66	4.54	0.85	YES
L0000276	0	0.14860E-05	465766.1	3765276.1	275.4	3.66	4.54	0.85	YES
L0000277	0	0.14860E-05	465758.5	3765269.9	275.4	3.66	4.54	0.85	YES
L0000278	0	0.14860E-05	465751.0	3765263.7	275.2	3.66	4.54	0.85	YES
L0000279	0	0.14860E-05	465743.5	3765257.5	275.0	3.66	4.54	0.85	YES
L0000280	0	0.14860E-05	465736.0	3765251.3	274.8	3.66	4.54	0.85	YES

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL 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
L0000281	0	0.14860E-05	465728.4	3765245.1	275.0	3.66	4.54	0.85	YES	
L0000282	0	0.14860E-05	465720.9	3765238.9	275.1	3.66	4.54	0.85	YES	
L0000283	0	0.14860E-05	465713.4	3765232.7	275.1	3.66	4.54	0.85	YES	
L0000284	0	0.14860E-05	465705.9	3765226.5	275.0	3.66	4.54	0.85	YES	
L0000285	0	0.14860E-05	465698.3	3765220.3	275.0	3.66	4.54	0.85	YES	
L0000286	0	0.14860E-05	465690.8	3765214.1	275.2	3.66	4.54	0.85	YES	
L0000287	0	0.14860E-05	465683.3	3765207.9	275.2	3.66	4.54	0.85	YES	
L0000288	0	0.14860E-05	465676.0	3765201.4	275.1	3.66	4.54	0.85	YES	
L0000289	0	0.14860E-05	465669.4	3765194.2	275.0	3.66	4.54	0.85	YES	
L0000290	0	0.14860E-05	465662.7	3765187.1	275.2	3.66	4.54	0.85	YES	
L0000291	0	0.14860E-05	465656.1	3765180.0	275.2	3.66	4.54	0.85	YES	
L0000292	0	0.14860E-05	465649.4	3765172.8	275.1	3.66	4.54	0.85	YES	
L0000293	0	0.14860E-05	465644.6	3765164.8	275.0	3.66	4.54	0.85	YES	
L0000294	0	0.14860E-05	465642.8	3765155.2	274.9	3.66	4.54	0.85	YES	
L0000295	0	0.14860E-05	465641.1	3765145.6	274.9	3.66	4.54	0.85	YES	
L0000296	0	0.14860E-05	465639.3	3765136.0	275.0	3.66	4.54	0.85	YES	
L0000297	0	0.14860E-05	465637.5	3765126.4	275.1	3.66	4.54	0.85	YES	
L0000298	0	0.14860E-05	465635.7	3765116.8	275.1	3.66	4.54	0.85	YES	
L0000299	0	0.14860E-05	465633.9	3765107.2	275.2	3.66	4.54	0.85	YES	
L0000300	0	0.14860E-05	465632.1	3765097.6	275.2	3.66	4.54	0.85	YES	
L0000301	0	0.14860E-05	465630.3	3765088.1	275.1	3.66	4.54	0.85	YES	
L0000302	0	0.14860E-05	465628.5	3765078.5	275.0	3.66	4.54	0.85	YES	

L0000303	0	0.14860E-05	465626.7	3765068.9	275.0	3.66	4.54	0.85	YES
L0000304	0	0.14860E-05	465624.9	3765059.3	275.0	3.66	4.54	0.85	YES
L0000305	0	0.14860E-05	465623.1	3765049.7	275.0	3.66	4.54	0.85	YES
L0000306	0	0.14860E-05	465621.3	3765040.1	275.0	3.66	4.54	0.85	YES
L0000307	0	0.14860E-05	465619.5	3765030.5	275.0	3.66	4.54	0.85	YES
L0000308	0	0.14860E-05	465617.7	3765020.9	275.0	3.66	4.54	0.85	YES
L0000309	0	0.14860E-05	465615.9	3765011.4	274.9	3.66	4.54	0.85	YES
L0000310	0	0.14860E-05	465614.1	3765001.8	274.8	3.66	4.54	0.85	YES
L0000311	0	0.14860E-05	465612.4	3764992.2	274.8	3.66	4.54	0.85	YES
L0000312	0	0.14860E-05	465610.6	3764982.6	275.0	3.66	4.54	0.85	YES
L0000313	0	0.14860E-05	465608.8	3764973.0	275.4	3.66	4.54	0.85	YES
L0000314	0	0.14860E-05	465607.0	3764963.4	275.7	3.66	4.54	0.85	YES
L0000315	0	0.14860E-05	465605.2	3764953.8	275.5	3.66	4.54	0.85	YES
L0000316	0	0.14860E-05	465603.4	3764944.2	274.4	3.66	4.54	0.85	YES
L0000317	0	0.14860E-05	465601.6	3764934.7	273.4	3.66	4.54	0.85	YES
L0000318	0	0.14860E-05	465599.8	3764925.1	272.6	3.66	4.54	0.85	YES
L0000319	0	0.14860E-05	465598.0	3764915.5	272.3	3.66	4.54	0.85	YES
L0000320	0	0.14860E-05	465596.2	3764905.9	271.9	3.66	4.54	0.85	YES

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL 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
L0000321	0	0.14860E-05	465594.4	3764896.3	271.5	3.66	4.54	0.85	YES	
L0000322	0	0.14860E-05	465592.6	3764886.7	271.6	3.66	4.54	0.85	YES	
L0000323	0	0.14860E-05	465590.8	3764877.1	271.6	3.66	4.54	0.85	YES	
L0000324	0	0.14860E-05	465589.0	3764867.5	271.7	3.66	4.54	0.85	YES	
L0000325	0	0.14860E-05	465587.2	3764858.0	271.5	3.66	4.54	0.85	YES	
L0000326	0	0.14860E-05	465585.4	3764848.4	271.2	3.66	4.54	0.85	YES	
L0000327	0	0.14860E-05	465583.7	3764838.8	270.9	3.66	4.54	0.85	YES	
L0000328	0	0.14860E-05	465581.9	3764829.2	270.7	3.66	4.54	0.85	YES	
L0000329	0	0.14860E-05	465580.1	3764819.6	270.4	3.66	4.54	0.85	YES	
L0000330	0	0.14860E-05	465578.3	3764810.0	270.2	3.66	4.54	0.85	YES	
L0000331	0	0.14860E-05	465576.5	3764800.4	270.1	3.66	4.54	0.85	YES	
L0000332	0	0.14860E-05	465574.7	3764790.8	270.2	3.66	4.54	0.85	YES	
L0000333	0	0.14860E-05	465572.9	3764781.3	270.2	3.66	4.54	0.85	YES	
L0000334	0	0.14860E-05	465571.1	3764771.7	270.2	3.66	4.54	0.85	YES	
L0000335	0	0.14860E-05	465569.3	3764762.1	270.2	3.66	4.54	0.85	YES	
L0000336	0	0.14860E-05	465567.5	3764752.5	270.1	3.66	4.54	0.85	YES	
L0000337	0	0.14860E-05	465565.7	3764742.9	270.1	3.66	4.54	0.85	YES	
L0000338	0	0.14860E-05	465563.9	3764733.3	270.4	3.66	4.54	0.85	YES	
L0000339	0	0.14860E-05	465562.1	3764723.7	270.8	3.66	4.54	0.85	YES	
L0000340	0	0.14860E-05	465560.3	3764714.2	270.9	3.66	4.54	0.85	YES	
L0000341	0	0.14860E-05	465558.5	3764704.6	270.6	3.66	4.54	0.85	YES	
L0000342	0	0.14860E-05	465556.7	3764695.0	270.3	3.66	4.54	0.85	YES	
L0000343	0	0.14860E-05	465555.0	3764685.4	270.0	3.66	4.54	0.85	YES	

L0000344	0	0.14860E-05	465553.2	3764675.8	270.0	3.66	4.54	0.85	YES
L0000345	0	0.14860E-05	465551.4	3764666.2	270.0	3.66	4.54	0.85	YES
L0000346	0	0.14860E-05	465549.6	3764656.6	270.0	3.66	4.54	0.85	YES
L0000347	0	0.14860E-05	465547.8	3764647.0	269.7	3.66	4.54	0.85	YES
L0000348	0	0.14860E-05	465546.0	3764637.5	269.5	3.66	4.54	0.85	YES
L0000349	0	0.14860E-05	465544.2	3764627.9	269.2	3.66	4.54	0.85	YES
L0000350	0	0.14860E-05	465542.4	3764618.3	269.2	3.66	4.54	0.85	YES
L0000351	0	0.14860E-05	465540.6	3764608.7	269.3	3.66	4.54	0.85	YES
L0000352	0	0.14860E-05	465538.8	3764599.1	269.4	3.66	4.54	0.85	YES
L0000353	0	0.14860E-05	465537.0	3764589.5	269.4	3.66	4.54	0.85	YES
L0000354	0	0.14860E-05	465535.2	3764579.9	269.5	3.66	4.54	0.85	YES
L0000355	0	0.14860E-05	465533.4	3764570.3	269.5	3.66	4.54	0.85	YES
L0000356	0	0.14860E-05	465531.6	3764560.8	269.6	3.66	4.54	0.85	YES
L0000357	0	0.14860E-05	465529.8	3764551.2	269.5	3.66	4.54	0.85	YES

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	OF VERTS.	SZ (METERS)	SOURCE BY	SCALAR VARY	URBAN
PAREA1	0	0.41580E-09	465594.6	3764584.1	257.9	1.00	12	0.00	YES		

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	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 , L0000080 ,

L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , L0000087 , L0000088 ,

L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 ,

L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 ,

L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 ,

L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 ,

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 ,

*** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19

*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06

PAGE 13

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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 , 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 , L0000284 , L0000285 , L0000286 , L0000287 , L0000288 ,

L0000289 , L0000290 , L0000291 , L0000292 , L0000293 , L0000294 , L0000295 ,

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L0000297 , L0000298 , L0000299 , L0000300 , L0000301 , L0000302 , L0000303 , L0000304 ,

L0000305 , L0000306 , L0000307 , L0000308 , L0000309 , L0000310 , L0000311 , L0000312 ,

L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000320 ,

*** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06

PAGE 14

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

L0000321 , L0000322 , L0000323 , L0000324 , L0000325 , L0000326 , L0000327 , L0000328 ,

L0000329 , L0000330 , L0000331 , L0000332 , L0000333 , L0000334 , L0000335 , L0000336 ,

L0000337 , L0000338 , L0000339 , L0000340 , L0000341 , L0000342 , L0000343 , L0000344 ,

L0000345 , L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 ,

L0000353 , L0000354 , L0000355 , L0000356 , L0000357 , PAREA1 ,

♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06

PAGE 15

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

2200000. 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 , L0000080 ,

L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , L0000087 , L0000088 ,

L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 ,

L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 ,

L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 ,

L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 ,

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 ,

♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 ***

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

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 , 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 , L0000284 , L0000285 , L0000286 , L0000287 , L0000288 ,

L0000289 , L0000290 , L0000291 , L0000292 , L0000293 , L0000294 , L0000295 , L0000296 ,

L0000297 , L0000298 , L0000299 , L0000300 , L0000301 , L0000302 , L0000303 , L0000304 ,

L0000305 , L0000306 , L0000307 , L0000308 , L0000309 , L0000310 , L0000311 , L0000312 ,

L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000320 ,

*** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06

PAGE 17

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0000321 , L0000322 , L0000323 , L0000324 , L0000325 , L0000326 , L0000327 , L0000328 ,

L0000329 , L0000330 , L0000331 , L0000332 , L0000333 , L0000334 , L0000335 , L0000336 ,

L0000337 , L0000338 , L0000339 , L0000340 , L0000341 , L0000342 , L0000343 , L0000344 ,

L0000345 , L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 ,

L0000353 , L0000354 , L0000355 , L0000356 , L0000357 , PAREA1 ,

♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06

PAGE 18

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

(465387.4, 3764391.2, 274.0, 274.0, 0.0); (464249.2, 3763916.3, 256.0, 529.0, 0.0);

(464349.2, 3763916.3, 257.0, 529.0, 0.0); (464449.2, 3763916.3, 258.0, 529.0, 0.0);

(464549.2, 3763916.3, 266.8, 529.0, 0.0); (464649.2, 3763916.3, 269.0, 529.0, 0.0);

(464749.2, 3763916.3, 272.9, 529.0, 0.0); (464849.2, 3763916.3, 270.7, 529.0, 0.0);

(464949.2, 3763916.3, 270.0, 529.0, 0.0); (465049.2, 3763916.3, 270.0, 270.0, 0.0);

(465149.2, 3763916.3, 267.4, 267.4, 0.0); (465249.2, 3763916.3, 262.4, 262.4, 0.0);

(465349.2, 3763916.3, 252.0, 265.0, 0.0); (465449.2, 3763916.3, 248.0, 265.0, 0.0);

(465549.2, 3763916.3, 248.0, 248.0, 0.0); (465649.2, 3763916.3, 249.0, 249.0, 0.0);

(465749.2, 3763916.3, 249.0, 249.0, 0.0); (465849.2, 3763916.3, 249.0, 249.0, 0.0);

(465949.2, 3763916.3, 250.0, 250.0, 0.0); (466049.2, 3763916.3, 251.0, 251.0, 0.0);

(466149.2, 3763916.3, 252.0, 252.0, 0.0); (466249.2, 3763916.3, 252.0, 252.0, 0.0);

(466349.2, 3763916.3, 252.0, 252.0, 0.0); (466449.2, 3763916.3, 252.0, 252.0, 0.0);

(466549.2, 3763916.3, 252.0, 252.0, 0.0); (466649.2, 3763916.3, 252.0, 252.0, 0.0);

(466749.2, 3763916.3, 252.3, 252.3, 0.0); (466849.2, 3763916.3, 252.3, 252.3, 0.0);

(466949.2, 3763916.3, 252.3, 252.3, 0.0); (467049.2, 3763916.3, 253.0, 253.0, 0.0);

(467149.2, 3763916.3, 253.0, 253.0, 0.0); (464249.2, 3764016.3, 256.0, 529.0, 0.0);

(464349.2, 3764016.3, 257.7, 529.0, 0.0); (464449.2, 3764016.3, 260.3, 529.0, 0.0);

(464549.2, 3764016.3, 268.7, 529.0, 0.0); (464649.2, 3764016.3, 269.7, 529.0, 0.0);

(464749.2, 3764016.3, 273.4, 529.0, 0.0); (464849.2, 3764016.3, 269.9, 529.0, 0.0);

(464949.2, 3764016.3, 269.0, 529.0, 0.0); (465049.2, 3764016.3, 269.7, 269.7, 0.0);

(465149.2, 3764016.3, 267.4, 267.4, 0.0); (465249.2, 3764016.3, 264.0, 264.0, 0.0);

(465349.2, 3764016.3, 263.8, 263.8, 0.0); (465449.2, 3764016.3, 253.7, 265.0, 0.0);

(465549.2, 3764016.3, 248.7, 265.0, 0.0); (465649.2, 3764016.3, 249.0, 249.0, 0.0);

(465749.2, 3764016.3, 249.4, 249.4, 0.0); (465849.2, 3764016.3, 250.0, 250.0, 0.0);

(465949.2, 3764016.3, 250.0, 250.0, 0.0); (466049.2, 3764016.3, 251.0, 251.0, 0.0);

(466149.2, 3764016.3, 251.0, 251.0, 0.0); (466249.2, 3764016.3, 251.6, 251.6, 0.0);

(466349.2, 3764016.3, 252.4, 252.4, 0.0); (466449.2, 3764016.3, 253.0, 253.0, 0.0);

(466549.2, 3764016.3, 253.0, 253.0, 0.0); (466649.2, 3764016.3, 253.0, 253.0, 0.0);

(466749.2, 3764016.3, 253.0, 253.0, 0.0); (466849.2, 3764016.3, 253.0, 253.0, 0.0);

(466949.2, 3764016.3, 253.0, 253.0, 0.0); (467049.2, 3764016.3, 253.0, 253.0, 0.0);

(467149.2, 3764016.3, 253.0, 253.0, 0.0); (464249.2, 3764116.3, 256.7, 529.0, 0.0);
(464349.2, 3764116.3, 258.0, 529.0, 0.0); (464449.2, 3764116.3, 261.3, 529.0, 0.0);
(464549.2, 3764116.3, 270.3, 529.0, 0.0); (464649.2, 3764116.3, 273.0, 529.0, 0.0);
(464749.2, 3764116.3, 274.3, 529.0, 0.0); (464849.2, 3764116.3, 269.7, 529.0, 0.0);
(464949.2, 3764116.3, 268.0, 529.0, 0.0); (465049.2, 3764116.3, 270.0, 270.0, 0.0);
(465149.2, 3764116.3, 267.4, 267.4, 0.0); (465249.2, 3764116.3, 266.0, 266.0, 0.0);
(465349.2, 3764116.3, 266.0, 266.0, 0.0); (465449.2, 3764116.3, 262.0, 264.0, 0.0);
(465549.2, 3764116.3, 249.0, 272.0, 0.0); (465649.2, 3764116.3, 249.0, 249.0, 0.0);
(465749.2, 3764116.3, 250.0, 250.0, 0.0); (465849.2, 3764116.3, 250.0, 250.0, 0.0);
(465949.2, 3764116.3, 250.0, 250.0, 0.0); (466049.2, 3764116.3, 251.0, 251.0, 0.0);
(466149.2, 3764116.3, 251.0, 251.0, 0.0); (466249.2, 3764116.3, 251.0, 251.0, 0.0);
(466349.2, 3764116.3, 253.0, 253.0, 0.0); (466449.2, 3764116.3, 253.0, 253.0, 0.0);
(466549.2, 3764116.3, 253.0, 253.0, 0.0); (466649.2, 3764116.3, 253.0, 253.0, 0.0);
(466749.2, 3764116.3, 254.0, 254.0, 0.0); (466849.2, 3764116.3, 254.0, 254.0, 0.0);
(466949.2, 3764116.3, 254.0, 254.0, 0.0); (467049.2, 3764116.3, 254.0, 254.0, 0.0);

♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 ***
01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM ***
19:58:06

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

(467149.2, 3764116.3, 254.0, 254.0, 0.0); (464249.2, 3764216.3, 256.3, 529.0, 0.0);
(464349.2, 3764216.3, 258.0, 529.0, 0.0); (464449.2, 3764216.3, 266.1, 529.0, 0.0);

(464549.2, 3764216.3, 276.8, 529.0, 0.0); (464649.2, 3764216.3, 274.0, 529.0, 0.0);

(464749.2, 3764216.3, 282.0, 529.0, 0.0); (464849.2, 3764216.3, 272.4, 529.0, 0.0);

(464949.2, 3764216.3, 268.0, 529.0, 0.0); (465049.2, 3764216.3, 271.3, 271.3, 0.0);

(465149.2, 3764216.3, 266.9, 266.9, 0.0); (465249.2, 3764216.3, 268.3, 268.3, 0.0);

(465349.2, 3764216.3, 270.7, 270.7, 0.0); (465449.2, 3764216.3, 265.7, 269.0, 0.0);

(465549.2, 3764216.3, 253.4, 274.0, 0.0); (465649.2, 3764216.3, 250.0, 250.0, 0.0);

(465749.2, 3764216.3, 250.0, 250.0, 0.0); (465849.2, 3764216.3, 250.0, 250.0, 0.0);

(465949.2, 3764216.3, 251.0, 251.0, 0.0); (466049.2, 3764216.3, 251.0, 251.0, 0.0);

(466149.2, 3764216.3, 252.0, 252.0, 0.0); (466249.2, 3764216.3, 252.3, 252.3, 0.0);

(466349.2, 3764216.3, 253.0, 253.0, 0.0); (466449.2, 3764216.3, 254.0, 254.0, 0.0);

(466549.2, 3764216.3, 254.0, 254.0, 0.0); (466649.2, 3764216.3, 254.0, 254.0, 0.0);

(466749.2, 3764216.3, 254.0, 254.0, 0.0); (466849.2, 3764216.3, 255.0, 255.0, 0.0);

(466949.2, 3764216.3, 255.0, 255.0, 0.0); (467049.2, 3764216.3, 254.3, 254.3, 0.0);

(467149.2, 3764216.3, 254.0, 447.0, 0.0); (464249.2, 3764316.3, 260.6, 529.0, 0.0);
(464349.2, 3764316.3, 260.7, 529.0, 0.0); (464449.2, 3764316.3, 283.8, 529.0, 0.0);
(464549.2, 3764316.3, 284.2, 529.0, 0.0); (464649.2, 3764316.3, 273.0, 529.0, 0.0);
(464749.2, 3764316.3, 280.2, 529.0, 0.0); (464849.2, 3764316.3, 273.5, 529.0, 0.0);
(464949.2, 3764316.3, 268.7, 529.0, 0.0); (465049.2, 3764316.3, 270.3, 363.0, 0.0);
(465149.2, 3764316.3, 268.2, 363.0, 0.0); (465249.2, 3764316.3, 270.7, 270.7, 0.0);
(465349.2, 3764316.3, 273.7, 273.7, 0.0); (465449.2, 3764316.3, 269.5, 269.5, 0.0);
(465549.2, 3764316.3, 256.0, 274.0, 0.0); (465649.2, 3764316.3, 251.4, 251.4, 0.0);
(465749.2, 3764316.3, 251.0, 251.0, 0.0); (465849.2, 3764316.3, 251.0, 251.0, 0.0);
(465949.2, 3764316.3, 251.0, 251.0, 0.0); (466049.2, 3764316.3, 251.0, 251.0, 0.0);
(466149.2, 3764316.3, 252.0, 252.0, 0.0); (466249.2, 3764316.3, 253.0, 253.0, 0.0);
(466349.2, 3764316.3, 253.0, 253.0, 0.0); (466449.2, 3764316.3, 254.0, 254.0, 0.0);
(466549.2, 3764316.3, 254.0, 254.0, 0.0); (466649.2, 3764316.3, 254.0, 254.0, 0.0);
(466749.2, 3764316.3, 255.0, 255.0, 0.0); (466849.2, 3764316.3, 255.0, 255.0, 0.0);
(466949.2, 3764316.3, 255.0, 255.0, 0.0); (467049.2, 3764316.3, 255.0, 447.0, 0.0);
(467149.2, 3764316.3, 255.0, 447.0, 0.0); (464249.2, 3764416.3, 263.7, 529.0, 0.0);
(464349.2, 3764416.3, 265.0, 529.0, 0.0); (464449.2, 3764416.3, 275.2, 529.0, 0.0);
(464549.2, 3764416.3, 277.0, 529.0, 0.0); (464649.2, 3764416.3, 273.0, 529.0, 0.0);
(464749.2, 3764416.3, 273.3, 529.0, 0.0); (464849.2, 3764416.3, 271.4, 529.0, 0.0);
(464949.2, 3764416.3, 269.0, 529.0, 0.0); (465049.2, 3764416.3, 270.3, 363.0, 0.0);
(465149.2, 3764416.3, 269.4, 363.0, 0.0); (465249.2, 3764416.3, 272.0, 272.0, 0.0);
(465349.2, 3764416.3, 274.0, 274.0, 0.0); (465449.2, 3764416.3, 271.0, 273.0, 0.0);
(465549.2, 3764416.3, 255.1, 274.0, 0.0); (465849.2, 3764416.3, 251.0, 251.0, 0.0);
(465949.2, 3764416.3, 251.0, 251.0, 0.0); (466049.2, 3764416.3, 252.0, 252.0, 0.0);
(466149.2, 3764416.3, 252.0, 252.0, 0.0); (466249.2, 3764416.3, 253.0, 253.0, 0.0);
(466349.2, 3764416.3, 253.0, 253.0, 0.0); (466449.2, 3764416.3, 255.0, 255.0, 0.0);
(466549.2, 3764416.3, 255.0, 255.0, 0.0); (466649.2, 3764416.3, 254.0, 254.0, 0.0);
(466749.2, 3764416.3, 255.0, 255.0, 0.0); (466849.2, 3764416.3, 255.0, 255.0, 0.0);

(466949.2, 3764416.3, 255.0, 447.0, 0.0); (467049.2, 3764416.3, 255.0, 447.0, 0.0);

(467149.2, 3764416.3, 255.0, 447.0, 0.0); (464249.2, 3764516.3, 264.7, 529.0, 0.0);

♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

(464349.2, 3764516.3, 267.3, 529.0, 0.0); (464449.2, 3764516.3, 270.6, 529.0, 0.0);

(464549.2, 3764516.3, 273.0, 529.0, 0.0); (464649.2, 3764516.3, 273.0, 529.0, 0.0);

(464749.2, 3764516.3, 273.0, 529.0, 0.0); (464849.2, 3764516.3, 270.4, 529.0, 0.0);

(464949.2, 3764516.3, 269.0, 529.0, 0.0); (465049.2, 3764516.3, 270.3, 363.0, 0.0);

(465149.2, 3764516.3, 270.4, 363.0, 0.0); (465249.2, 3764516.3, 271.0, 363.0, 0.0);

(465349.2, 3764516.3, 274.0, 274.0, 0.0); (465449.2, 3764516.3, 271.6, 271.6, 0.0);

(465549.2, 3764516.3, 268.0, 268.0, 0.0); (465949.2, 3764516.3, 251.5, 251.5, 0.0);

(466049.2, 3764516.3, 252.0, 252.0, 0.0); (466149.2, 3764516.3, 252.3, 252.3, 0.0);

(466249.2, 3764516.3, 253.0, 253.0, 0.0); (466349.2, 3764516.3, 253.8, 253.8, 0.0);

(466449.2, 3764516.3, 255.0, 255.0, 0.0); (466549.2, 3764516.3, 255.0, 255.0, 0.0);

(466649.2, 3764516.3, 254.3, 254.3, 0.0); (466749.2, 3764516.3, 255.0, 255.0, 0.0);

(466849.2, 3764516.3, 255.1, 255.1, 0.0); (466949.2, 3764516.3, 255.3, 447.0, 0.0);

(467049.2, 3764516.3, 256.0, 447.0, 0.0); (467149.2, 3764516.3, 255.3, 447.0, 0.0);

(464249.2, 3764616.3, 266.7, 529.0, 0.0); (464349.2, 3764616.3, 271.6, 529.0, 0.0);

(464449.2, 3764616.3, 273.7, 529.0, 0.0); (464549.2, 3764616.3, 273.0, 529.0, 0.0);

(464649.2, 3764616.3, 273.0, 529.0, 0.0); (464749.2, 3764616.3, 272.0, 529.0, 0.0);

(464849.2, 3764616.3, 270.8, 529.0, 0.0); (464949.2, 3764616.3, 270.0, 529.0, 0.0);

(465049.2, 3764616.3, 270.1, 440.0, 0.0); (465149.2, 3764616.3, 270.8, 363.0, 0.0);

(465249.2, 3764616.3, 272.7, 363.0, 0.0); (465349.2, 3764616.3, 273.9, 363.0, 0.0);

(465449.2, 3764616.3, 272.2, 272.2, 0.0); (465549.2, 3764616.3, 269.0, 269.0, 0.0);

(465949.2, 3764616.3, 252.0, 252.0, 0.0); (466049.2, 3764616.3, 252.4, 252.4, 0.0);

(466149.2, 3764616.3, 253.0, 253.0, 0.0); (466249.2, 3764616.3, 253.0, 253.0, 0.0);

(466349.2, 3764616.3, 254.0, 254.0, 0.0); (466449.2, 3764616.3, 255.0, 255.0, 0.0);

(466549.2, 3764616.3, 255.7, 255.7, 0.0); (466649.2, 3764616.3, 255.7, 255.7, 0.0);

(466749.2, 3764616.3, 255.7, 255.7, 0.0); (466849.2, 3764616.3, 256.0, 447.0, 0.0);

(466949.2, 3764616.3, 256.0, 447.0, 0.0); (467049.2, 3764616.3, 256.0, 447.0, 0.0);

(467149.2, 3764616.3, 256.0, 447.0, 0.0); (464249.2, 3764716.3, 273.0, 529.0, 0.0);

(464349.2, 3764716.3, 292.0, 529.0, 0.0); (464449.2, 3764716.3, 274.2, 529.0, 0.0);

(464549.2, 3764716.3, 274.4, 529.0, 0.0); (464649.2, 3764716.3, 273.0, 529.0, 0.0);

(464749.2, 3764716.3, 272.0, 529.0, 0.0); (464849.2, 3764716.3, 271.0, 529.0, 0.0);

(464949.2, 3764716.3, 271.0, 529.0, 0.0); (465049.2, 3764716.3, 271.0, 440.0, 0.0);

(465149.2, 3764716.3, 271.7, 363.0, 0.0); (465249.2, 3764716.3, 273.0, 363.0, 0.0);

(465349.2, 3764716.3, 275.3, 363.0, 0.0); (465449.2, 3764716.3, 273.3, 273.3, 0.0);

(465549.2, 3764716.3, 271.0, 271.0, 0.0); (466049.2, 3764716.3, 253.0, 253.0, 0.0);

(466149.2, 3764716.3, 253.0, 253.0, 0.0); (466249.2, 3764716.3, 253.0, 253.0, 0.0);

(466349.2, 3764716.3, 254.0, 254.0, 0.0); (466449.2, 3764716.3, 255.0, 255.0, 0.0);

(466549.2, 3764716.3, 256.0, 256.0, 0.0); (466649.2, 3764716.3, 256.0, 256.0, 0.0);

(466749.2, 3764716.3, 256.0, 447.0, 0.0); (466849.2, 3764716.3, 256.0, 447.0, 0.0);

(466949.2, 3764716.3, 256.0, 447.0, 0.0); (467049.2, 3764716.3, 256.0, 447.0, 0.0);

(467149.2, 3764716.3, 256.0, 447.0, 0.0); (464249.2, 3764816.3, 281.6, 529.0, 0.0);

(464349.2, 3764816.3, 295.7, 529.0, 0.0); (464449.2, 3764816.3, 241.5, 529.0, 0.0);

(464549.2, 3764816.3, 281.1, 529.0, 0.0); (464649.2, 3764816.3, 276.7, 529.0, 0.0);

(464749.2, 3764816.3, 274.7, 529.0, 0.0); (464849.2, 3764816.3, 272.3, 529.0, 0.0);

(464949.2, 3764816.3, 272.0, 529.0, 0.0); (465049.2, 3764816.3, 272.0, 440.0, 0.0);

(465149.2, 3764816.3, 272.2, 363.0, 0.0); (465249.2, 3764816.3, 274.0, 363.0, 0.0);

♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06

PAGE 21

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

(465349.2, 3764816.3, 276.5, 363.0, 0.0); (465449.2, 3764816.3, 274.7, 274.7, 0.0);
(465549.2, 3764816.3, 271.3, 271.3, 0.0); (466149.2, 3764816.3, 253.3, 253.3, 0.0);
(466249.2, 3764816.3, 254.2, 254.2, 0.0); (466349.2, 3764816.3, 254.3, 254.3, 0.0);
(466449.2, 3764816.3, 256.0, 256.0, 0.0); (466549.2, 3764816.3, 255.8, 255.8, 0.0);
(466649.2, 3764816.3, 256.0, 256.0, 0.0); (466749.2, 3764816.3, 256.0, 447.0, 0.0);
(466849.2, 3764816.3, 256.3, 447.0, 0.0); (466949.2, 3764816.3, 257.0, 447.0, 0.0);
(467049.2, 3764816.3, 257.0, 447.0, 0.0); (467149.2, 3764816.3, 256.5, 447.0, 0.0);
(464249.2, 3764916.3, 276.8, 529.0, 0.0); (464349.2, 3764916.3, 275.7, 529.0, 0.0);
(464449.2, 3764916.3, 229.1, 529.0, 0.0); (464549.2, 3764916.3, 291.1, 529.0, 0.0);
(464649.2, 3764916.3, 286.4, 529.0, 0.0); (464749.2, 3764916.3, 283.4, 529.0, 0.0);
(464849.2, 3764916.3, 278.6, 529.0, 0.0); (464949.2, 3764916.3, 273.0, 440.0, 0.0);
(465049.2, 3764916.3, 272.7, 440.0, 0.0); (465149.2, 3764916.3, 273.0, 363.0, 0.0);
(465249.2, 3764916.3, 275.0, 363.0, 0.0); (465349.2, 3764916.3, 277.3, 363.0, 0.0);
(465449.2, 3764916.3, 277.0, 277.0, 0.0); (465549.2, 3764916.3, 273.7, 273.7, 0.0);
(466249.2, 3764916.3, 255.0, 255.0, 0.0); (466349.2, 3764916.3, 255.0, 255.0, 0.0);
(466449.2, 3764916.3, 255.0, 255.0, 0.0); (466549.2, 3764916.3, 255.6, 255.6, 0.0);
(466649.2, 3764916.3, 256.0, 256.0, 0.0); (466749.2, 3764916.3, 256.7, 447.0, 0.0);
(466849.2, 3764916.3, 257.0, 447.0, 0.0); (466949.2, 3764916.3, 257.0, 447.0, 0.0);
(467049.2, 3764916.3, 257.0, 447.0, 0.0); (467149.2, 3764916.3, 257.0, 447.0, 0.0);
(464249.2, 3765016.3, 273.0, 529.0, 0.0); (464349.2, 3765016.3, 271.0, 529.0, 0.0);
(464449.2, 3765016.3, 250.0, 529.0, 0.0); (464549.2, 3765016.3, 332.8, 363.0, 0.0);
(464649.2, 3765016.3, 318.2, 440.0, 0.0); (464749.2, 3765016.3, 280.0, 529.0, 0.0);
(464849.2, 3765016.3, 279.4, 440.0, 0.0); (464949.2, 3765016.3, 273.0, 440.0, 0.0);
(465049.2, 3765016.3, 273.0, 440.0, 0.0); (465149.2, 3765016.3, 273.7, 363.0, 0.0);
(465249.2, 3765016.3, 276.0, 363.0, 0.0); (465349.2, 3765016.3, 277.0, 363.0, 0.0);
(465449.2, 3765016.3, 276.4, 363.0, 0.0); (465549.2, 3765016.3, 275.0, 275.0, 0.0);

(466049.2, 3765016.3, 254.0, 254.0, 0.0); (466149.2, 3765016.3, 253.0, 253.0, 0.0);

(466249.2, 3765016.3, 253.3, 253.3, 0.0); (466349.2, 3765016.3, 255.0, 255.0, 0.0);

(466449.2, 3765016.3, 255.0, 255.0, 0.0); (466549.2, 3765016.3, 255.0, 255.0, 0.0);

(466649.2, 3765016.3, 256.0, 447.0, 0.0); (466749.2, 3765016.3, 256.0, 447.0, 0.0);

(466849.2, 3765016.3, 256.7, 447.0, 0.0); (466949.2, 3765016.3, 258.0, 447.0, 0.0);

(467049.2, 3765016.3, 257.0, 447.0, 0.0); (467149.2, 3765016.3, 257.3, 447.0, 0.0);

(464249.2, 3765116.3, 272.0, 529.0, 0.0); (464349.2, 3765116.3, 275.6, 529.0, 0.0);
(464449.2, 3765116.3, 235.5, 529.0, 0.0); (464549.2, 3765116.3, 312.4, 440.0, 0.0);
(464649.2, 3765116.3, 270.6, 529.0, 0.0); (464749.2, 3765116.3, 269.2, 529.0, 0.0);
(464849.2, 3765116.3, 270.7, 529.0, 0.0); (464949.2, 3765116.3, 274.4, 440.0, 0.0);
(465049.2, 3765116.3, 274.0, 440.0, 0.0); (465149.2, 3765116.3, 275.2, 363.0, 0.0);
(465249.2, 3765116.3, 278.0, 363.0, 0.0); (465349.2, 3765116.3, 278.0, 363.0, 0.0);
(465449.2, 3765116.3, 278.0, 278.0, 0.0); (465549.2, 3765116.3, 277.0, 277.0, 0.0);
(465649.2, 3765116.3, 272.5, 275.0, 0.0); (465849.2, 3765116.3, 255.0, 277.0, 0.0);
(465949.2, 3765116.3, 255.0, 255.0, 0.0); (466049.2, 3765116.3, 254.6, 254.6, 0.0);
(466149.2, 3765116.3, 255.0, 255.0, 0.0); (466249.2, 3765116.3, 253.6, 253.6, 0.0);
(466349.2, 3765116.3, 255.0, 255.0, 0.0); (466449.2, 3765116.3, 255.0, 255.0, 0.0);
(466549.2, 3765116.3, 255.0, 255.0, 0.0); (466649.2, 3765116.3, 256.0, 447.0, 0.0);
(466749.2, 3765116.3, 256.0, 447.0, 0.0); (466849.2, 3765116.3, 257.0, 447.0, 0.0);

*** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06

PAGE 22

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

(466949.2, 3765116.3, 257.9, 447.0, 0.0); (467049.2, 3765116.3, 258.0, 447.0, 0.0);
(467149.2, 3765116.3, 257.0, 447.0, 0.0); (464249.2, 3765216.3, 272.9, 529.0, 0.0);
(464349.2, 3765216.3, 277.0, 529.0, 0.0); (464449.2, 3765216.3, 273.4, 529.0, 0.0);

(464549.2, 3765216.3, 299.9, 440.0, 0.0); (464649.2, 3765216.3, 296.1, 440.0, 0.0);

(464749.2, 3765216.3, 240.4, 529.0, 0.0); (464849.2, 3765216.3, 261.4, 529.0, 0.0);

(464949.2, 3765216.3, 277.0, 440.0, 0.0); (465049.2, 3765216.3, 276.7, 440.0, 0.0);

(465149.2, 3765216.3, 278.3, 363.0, 0.0); (465249.2, 3765216.3, 279.0, 363.0, 0.0);

(465349.2, 3765216.3, 279.0, 363.0, 0.0); (465449.2, 3765216.3, 279.4, 279.4, 0.0);

(465549.2, 3765216.3, 278.0, 278.0, 0.0); (465649.2, 3765216.3, 275.9, 275.9, 0.0);

(465749.2, 3765216.3, 267.9, 277.0, 0.0); (465849.2, 3765216.3, 255.7, 282.0, 0.0);

(465949.2, 3765216.3, 256.0, 280.0, 0.0); (466049.2, 3765216.3, 256.0, 256.0, 0.0);

(466149.2, 3765216.3, 255.0, 255.0, 0.0); (466249.2, 3765216.3, 255.0, 255.0, 0.0);
(466349.2, 3765216.3, 255.0, 255.0, 0.0); (466449.2, 3765216.3, 256.0, 256.0, 0.0);
(466549.2, 3765216.3, 256.0, 256.0, 0.0); (466649.2, 3765216.3, 256.0, 447.0, 0.0);
(466749.2, 3765216.3, 256.3, 447.0, 0.0); (466849.2, 3765216.3, 257.0, 447.0, 0.0);
(466949.2, 3765216.3, 257.0, 447.0, 0.0); (467049.2, 3765216.3, 257.0, 447.0, 0.0);
(467149.2, 3765216.3, 257.7, 447.0, 0.0); (464249.2, 3765316.3, 274.0, 529.0, 0.0);
(464349.2, 3765316.3, 276.0, 529.0, 0.0); (464449.2, 3765316.3, 280.6, 529.0, 0.0);
(464549.2, 3765316.3, 293.0, 529.0, 0.0); (464649.2, 3765316.3, 296.0, 440.0, 0.0);
(464749.2, 3765316.3, 295.7, 440.0, 0.0); (464849.2, 3765316.3, 287.3, 440.0, 0.0);
(464949.2, 3765316.3, 280.0, 440.0, 0.0); (465049.2, 3765316.3, 278.3, 440.0, 0.0);
(465149.2, 3765316.3, 280.7, 363.0, 0.0); (465249.2, 3765316.3, 281.0, 363.0, 0.0);
(465349.2, 3765316.3, 280.0, 363.0, 0.0); (465449.2, 3765316.3, 281.0, 281.0, 0.0);
(465549.2, 3765316.3, 280.0, 280.0, 0.0); (465649.2, 3765316.3, 278.0, 278.0, 0.0);
(465749.2, 3765316.3, 277.0, 277.0, 0.0); (465849.2, 3765316.3, 271.9, 275.0, 0.0);
(465949.2, 3765316.3, 257.0, 282.0, 0.0); (466049.2, 3765316.3, 257.0, 280.0, 0.0);
(466149.2, 3765316.3, 256.0, 256.0, 0.0); (466249.2, 3765316.3, 256.0, 256.0, 0.0);
(466349.2, 3765316.3, 256.0, 256.0, 0.0); (466449.2, 3765316.3, 256.0, 256.0, 0.0);
(466549.2, 3765316.3, 256.0, 447.0, 0.0); (466649.2, 3765316.3, 256.0, 447.0, 0.0);
(466749.2, 3765316.3, 257.0, 447.0, 0.0); (466849.2, 3765316.3, 257.0, 447.0, 0.0);
(466949.2, 3765316.3, 258.0, 447.0, 0.0); (467049.2, 3765316.3, 258.0, 447.0, 0.0);
(467149.2, 3765316.3, 258.0, 447.0, 0.0); (464249.2, 3765416.3, 275.8, 529.0, 0.0);
(464349.2, 3765416.3, 279.0, 529.0, 0.0); (464449.2, 3765416.3, 280.9, 529.0, 0.0);
(464549.2, 3765416.3, 287.0, 529.0, 0.0); (464649.2, 3765416.3, 297.0, 440.0, 0.0);
(464749.2, 3765416.3, 292.1, 440.0, 0.0); (464849.2, 3765416.3, 292.1, 440.0, 0.0);
(464949.2, 3765416.3, 285.0, 440.0, 0.0); (465049.2, 3765416.3, 280.2, 363.0, 0.0);
(465149.2, 3765416.3, 281.0, 363.0, 0.0); (465249.2, 3765416.3, 281.0, 363.0, 0.0);
(465349.2, 3765416.3, 282.3, 282.3, 0.0); (465449.2, 3765416.3, 282.3, 282.3, 0.0);
(465549.2, 3765416.3, 281.3, 281.3, 0.0); (465649.2, 3765416.3, 280.3, 280.3, 0.0);

(465749.2, 3765416.3, 280.6, 280.6, 0.0); (465849.2, 3765416.3, 280.0, 280.0, 0.0);

(465949.2, 3765416.3, 259.8, 283.0, 0.0); (466049.2, 3765416.3, 258.8, 283.0, 0.0);

(466149.2, 3765416.3, 257.0, 283.0, 0.0); (466249.2, 3765416.3, 256.3, 256.3, 0.0);

(466349.2, 3765416.3, 256.3, 256.3, 0.0); (466449.2, 3765416.3, 257.0, 257.0, 0.0);

(466549.2, 3765416.3, 257.0, 447.0, 0.0); (466649.2, 3765416.3, 257.0, 447.0, 0.0);

(466749.2, 3765416.3, 257.0, 447.0, 0.0); (466849.2, 3765416.3, 257.0, 447.0, 0.0);

*** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06

PAGE 23

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

(466949.2, 3765416.3, 258.0, 447.0, 0.0); (467049.2, 3765416.3, 258.0, 447.0, 0.0);

(467149.2, 3765416.3, 258.5, 447.0, 0.0); (464249.2, 3765516.3, 276.4, 529.0, 0.0);

(464349.2, 3765516.3, 278.0, 529.0, 0.0); (464449.2, 3765516.3, 284.8, 529.0, 0.0);

(464549.2, 3765516.3, 288.2, 489.0, 0.0); (464649.2, 3765516.3, 292.3, 489.0, 0.0);

(464749.2, 3765516.3, 289.0, 440.0, 0.0); (464849.2, 3765516.3, 285.4, 440.0, 0.0);

(464949.2, 3765516.3, 284.4, 440.0, 0.0); (465049.2, 3765516.3, 282.8, 363.0, 0.0);

(465149.2, 3765516.3, 281.4, 363.0, 0.0); (465249.2, 3765516.3, 282.0, 363.0, 0.0);

(465349.2, 3765516.3, 285.1, 285.1, 0.0); (465449.2, 3765516.3, 284.2, 284.2, 0.0);

(465549.2, 3765516.3, 284.3, 284.3, 0.0); (465649.2, 3765516.3, 284.1, 284.1, 0.0);

(465749.2, 3765516.3, 282.4, 282.4, 0.0); (465849.2, 3765516.3, 277.0, 277.0, 0.0);

(465949.2, 3765516.3, 272.7, 281.0, 0.0); (466049.2, 3765516.3, 260.2, 285.0, 0.0);

(466149.2, 3765516.3, 257.0, 285.0, 0.0); (466249.2, 3765516.3, 257.0, 283.0, 0.0);

(466349.2, 3765516.3, 257.0, 257.0, 0.0); (466449.2, 3765516.3, 257.0, 257.0, 0.0);

(466549.2, 3765516.3, 257.0, 447.0, 0.0); (466649.2, 3765516.3, 257.7, 447.0, 0.0);

(466749.2, 3765516.3, 258.0, 447.0, 0.0); (466849.2, 3765516.3, 257.2, 447.0, 0.0);

(466949.2, 3765516.3, 258.0, 447.0, 0.0); (467049.2, 3765516.3, 258.0, 447.0, 0.0);

(467149.2, 3765516.3, 259.0, 447.0, 0.0); (464249.2, 3765616.3, 277.0, 529.0, 0.0);

(464349.2, 3765616.3, 280.0, 529.0, 0.0); (464449.2, 3765616.3, 285.6, 529.0, 0.0);

(464549.2, 3765616.3, 292.4, 489.0, 0.0); (464649.2, 3765616.3, 289.0, 489.0, 0.0);

(464749.2, 3765616.3, 286.7, 489.0, 0.0); (464849.2, 3765616.3, 285.0, 440.0, 0.0);

(464949.2, 3765616.3, 284.0, 363.0, 0.0); (465049.2, 3765616.3, 282.7, 363.0, 0.0);

(465149.2, 3765616.3, 281.0, 363.0, 0.0); (465249.2, 3765616.3, 283.0, 283.0, 0.0);

(465349.2, 3765616.3, 291.0, 293.0, 0.0); (465449.2, 3765616.3, 286.0, 286.0, 0.0);

(465549.2, 3765616.3, 287.0, 287.0, 0.0); (465649.2, 3765616.3, 287.7, 287.7, 0.0);

(465749.2, 3765616.3, 284.3, 284.3, 0.0); (465849.2, 3765616.3, 282.0, 282.0, 0.0);

(465949.2, 3765616.3, 279.7, 279.7, 0.0); (466049.2, 3765616.3, 281.3, 281.3, 0.0);

(466149.2, 3765616.3, 259.1, 287.0, 0.0); (466249.2, 3765616.3, 257.3, 284.0, 0.0);

(466349.2, 3765616.3, 258.0, 258.0, 0.0); (466449.2, 3765616.3, 258.0, 258.0, 0.0);

(466549.2, 3765616.3, 258.0, 447.0, 0.0); (466649.2, 3765616.3, 258.0, 447.0, 0.0);

(466749.2, 3765616.3, 258.0, 447.0, 0.0); (466849.2, 3765616.3, 258.0, 447.0, 0.0);

(466949.2, 3765616.3, 258.0, 447.0, 0.0); (467049.2, 3765616.3, 259.0, 447.0, 0.0);

(467149.2, 3765616.3, 259.0, 447.0, 0.0); (464249.2, 3765716.3, 278.0, 529.0, 0.0);

(464349.2, 3765716.3, 280.0, 529.0, 0.0); (464449.2, 3765716.3, 286.3, 489.0, 0.0);

(464549.2, 3765716.3, 288.0, 489.0, 0.0); (464649.2, 3765716.3, 288.0, 489.0, 0.0);

(464749.2, 3765716.3, 286.0, 489.0, 0.0); (464849.2, 3765716.3, 285.0, 440.0, 0.0);

(464949.2, 3765716.3, 284.3, 363.0, 0.0); (465049.2, 3765716.3, 283.2, 283.2, 0.0);

(465149.2, 3765716.3, 281.4, 281.4, 0.0); (465249.2, 3765716.3, 284.0, 284.0, 0.0);

(465349.2, 3765716.3, 292.0, 292.0, 0.0); (465449.2, 3765716.3, 288.0, 288.0, 0.0);

(465549.2, 3765716.3, 286.0, 293.0, 0.0); (465649.2, 3765716.3, 291.8, 291.8, 0.0);

(465749.2, 3765716.3, 285.3, 285.3, 0.0); (465849.2, 3765716.3, 285.3, 285.3, 0.0);

(465949.2, 3765716.3, 284.3, 284.3, 0.0); (466049.2, 3765716.3, 283.1, 283.1, 0.0);

(466149.2, 3765716.3, 266.8, 286.0, 0.0); (466249.2, 3765716.3, 257.3, 286.0, 0.0);

(466349.2, 3765716.3, 258.3, 282.0, 0.0); (466449.2, 3765716.3, 259.0, 259.0, 0.0);

(466549.2, 3765716.3, 259.0, 433.0, 0.0); (466649.2, 3765716.3, 259.0, 447.0, 0.0);

(466749.2, 3765716.3, 259.0, 447.0, 0.0); (466849.2, 3765716.3, 259.0, 447.0, 0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

(466949.2, 3765716.3, 259.0, 447.0, 0.0); (467049.2, 3765716.3, 259.0, 447.0, 0.0);

(467149.2, 3765716.3, 259.3, 447.0, 0.0); (464249.2, 3765816.3, 279.0, 529.0, 0.0);

(464349.2, 3765816.3, 281.0, 529.0, 0.0); (464449.2, 3765816.3, 285.3, 489.0, 0.0);

(464549.2, 3765816.3, 287.4, 489.0, 0.0); (464649.2, 3765816.3, 287.3, 489.0, 0.0);

(464749.2, 3765816.3, 286.0, 489.0, 0.0); (464849.2, 3765816.3, 285.0, 285.0, 0.0);

(464949.2, 3765816.3, 286.0, 286.0, 0.0); (465049.2, 3765816.3, 284.7, 284.7, 0.0);

(465149.2, 3765816.3, 282.0, 282.0, 0.0); (465249.2, 3765816.3, 283.0, 283.0, 0.0);

(465349.2, 3765816.3, 288.7, 288.7, 0.0); (465449.2, 3765816.3, 287.8, 287.8, 0.0);

(465549.2, 3765816.3, 285.0, 285.0, 0.0); (465649.2, 3765816.3, 287.6, 293.0, 0.0);

(465749.2, 3765816.3, 284.5, 284.5, 0.0); (465849.2, 3765816.3, 286.0, 286.0, 0.0);

(465949.2, 3765816.3, 286.9, 286.9, 0.0); (466049.2, 3765816.3, 283.6, 283.6, 0.0);

(466149.2, 3765816.3, 262.2, 289.0, 0.0); (466249.2, 3765816.3, 258.3, 287.0, 0.0);

(466349.2, 3765816.3, 259.9, 259.9, 0.0); (466449.2, 3765816.3, 259.7, 259.7, 0.0);

(466549.2, 3765816.3, 259.0, 433.0, 0.0); (466649.2, 3765816.3, 259.0, 447.0, 0.0);

(466749.2, 3765816.3, 259.0, 447.0, 0.0); (466849.2, 3765816.3, 259.0, 447.0, 0.0);

(466949.2, 3765816.3, 259.0, 447.0, 0.0); (467049.2, 3765816.3, 259.0, 447.0, 0.0);

(467149.2, 3765816.3, 259.3, 447.0, 0.0); (464249.2, 3765916.3, 280.0, 529.0, 0.0);

(464349.2, 3765916.3, 284.0, 489.0, 0.0); (464449.2, 3765916.3, 286.6, 489.0, 0.0);

(464549.2, 3765916.3, 292.0, 489.0, 0.0); (464649.2, 3765916.3, 288.0, 489.0, 0.0);

(464749.2, 3765916.3, 286.7, 489.0, 0.0); (464849.2, 3765916.3, 286.7, 286.7, 0.0);

(464949.2, 3765916.3, 287.0, 287.0, 0.0); (465049.2, 3765916.3, 285.7, 285.7, 0.0);

(465149.2, 3765916.3, 283.0, 283.0, 0.0); (465249.2, 3765916.3, 283.0, 283.0, 0.0);

(465349.2, 3765916.3, 285.3, 285.3, 0.0); (465449.2, 3765916.3, 286.0, 286.0, 0.0);
(465549.2, 3765916.3, 285.0, 285.0, 0.0); (465649.2, 3765916.3, 284.7, 284.7, 0.0);
(465749.2, 3765916.3, 284.0, 284.0, 0.0); (465849.2, 3765916.3, 287.0, 287.0, 0.0);
(465949.2, 3765916.3, 288.0, 288.0, 0.0); (466049.2, 3765916.3, 279.4, 288.0, 0.0);
(466149.2, 3765916.3, 260.0, 289.0, 0.0); (466249.2, 3765916.3, 258.0, 288.0, 0.0);
(466349.2, 3765916.3, 260.7, 260.7, 0.0); (466449.2, 3765916.3, 260.0, 260.0, 0.0);
(466549.2, 3765916.3, 260.3, 433.0, 0.0); (466649.2, 3765916.3, 261.0, 447.0, 0.0);
(466749.2, 3765916.3, 260.0, 447.0, 0.0); (466849.2, 3765916.3, 260.0, 447.0, 0.0);
(466949.2, 3765916.3, 260.0, 447.0, 0.0); (467049.2, 3765916.3, 259.0, 447.0, 0.0);
(467149.2, 3765916.3, 260.0, 447.0, 0.0); (464249.2, 3766016.3, 285.8, 489.0, 0.0);
(464349.2, 3766016.3, 286.3, 489.0, 0.0); (464449.2, 3766016.3, 288.2, 489.0, 0.0);
(464549.2, 3766016.3, 291.9, 489.0, 0.0); (464649.2, 3766016.3, 290.3, 489.0, 0.0);
(464749.2, 3766016.3, 287.8, 489.0, 0.0); (464849.2, 3766016.3, 287.6, 287.6, 0.0);
(464949.2, 3766016.3, 287.0, 287.0, 0.0); (465049.2, 3766016.3, 285.7, 285.7, 0.0);
(465149.2, 3766016.3, 284.3, 284.3, 0.0); (465249.2, 3766016.3, 286.0, 286.0, 0.0);
(465349.2, 3766016.3, 285.7, 285.7, 0.0); (465449.2, 3766016.3, 284.7, 284.7, 0.0);
(465549.2, 3766016.3, 284.0, 284.0, 0.0); (465649.2, 3766016.3, 282.0, 282.0, 0.0);
(465749.2, 3766016.3, 280.9, 280.9, 0.0); (465849.2, 3766016.3, 275.1, 289.0, 0.0);
(465949.2, 3766016.3, 270.7, 289.0, 0.0); (466049.2, 3766016.3, 266.4, 289.0, 0.0);
(466149.2, 3766016.3, 262.3, 289.0, 0.0); (466249.2, 3766016.3, 260.0, 260.0, 0.0);
(466349.2, 3766016.3, 260.8, 260.8, 0.0); (466449.2, 3766016.3, 261.0, 261.0, 0.0);
(466549.2, 3766016.3, 260.0, 433.0, 0.0); (466649.2, 3766016.3, 262.3, 447.0, 0.0);
(466749.2, 3766016.3, 261.0, 447.0, 0.0); (466849.2, 3766016.3, 260.2, 447.0, 0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

(466949.2, 3766016.3, 260.0, 447.0, 0.0); (467049.2, 3766016.3, 260.0, 447.0, 0.0);

(467149.2, 3766016.3, 260.0, 447.0, 0.0); (464249.2, 3766116.3, 286.7, 489.0, 0.0);
(464349.2, 3766116.3, 288.0, 489.0, 0.0); (464449.2, 3766116.3, 287.0, 489.0, 0.0);
(464549.2, 3766116.3, 291.6, 489.0, 0.0); (464649.2, 3766116.3, 290.3, 489.0, 0.0);
(464749.2, 3766116.3, 287.8, 489.0, 0.0); (464849.2, 3766116.3, 286.3, 286.3, 0.0);
(464949.2, 3766116.3, 287.0, 287.0, 0.0); (465049.2, 3766116.3, 285.9, 285.9, 0.0);
(465149.2, 3766116.3, 286.9, 286.9, 0.0); (465249.2, 3766116.3, 287.0, 287.0, 0.0);
(465349.2, 3766116.3, 286.7, 286.7, 0.0); (465449.2, 3766116.3, 283.3, 283.3, 0.0);
(465549.2, 3766116.3, 282.3, 282.3, 0.0); (465649.2, 3766116.3, 281.3, 281.3, 0.0);
(465749.2, 3766116.3, 273.5, 282.0, 0.0); (465849.2, 3766116.3, 268.4, 287.0, 0.0);
(465949.2, 3766116.3, 267.7, 289.0, 0.0); (466049.2, 3766116.3, 267.4, 267.4, 0.0);
(466149.2, 3766116.3, 264.7, 264.7, 0.0); (466249.2, 3766116.3, 261.0, 261.0, 0.0);
(466349.2, 3766116.3, 261.0, 261.0, 0.0); (466449.2, 3766116.3, 261.0, 261.0, 0.0);
(466549.2, 3766116.3, 261.0, 433.0, 0.0); (466649.2, 3766116.3, 262.0, 447.0, 0.0);
(466749.2, 3766116.3, 262.0, 447.0, 0.0); (466849.2, 3766116.3, 261.0, 447.0, 0.0);
(466949.2, 3766116.3, 261.0, 447.0, 0.0); (467049.2, 3766116.3, 260.0, 447.0, 0.0);
(467149.2, 3766116.3, 260.9, 447.0, 0.0); (464249.2, 3766216.3, 287.7, 489.0, 0.0);
(464349.2, 3766216.3, 291.0, 489.0, 0.0); (464449.2, 3766216.3, 287.0, 489.0, 0.0);

(464549.2, 3766216.3, 289.7, 489.0, 0.0); (464649.2, 3766216.3, 289.0, 489.0, 0.0);

(464749.2, 3766216.3, 287.7, 489.0, 0.0); (464849.2, 3766216.3, 286.0, 286.0, 0.0);

(464949.2, 3766216.3, 286.0, 286.0, 0.0); (465049.2, 3766216.3, 285.0, 285.0, 0.0);

(465149.2, 3766216.3, 286.0, 286.0, 0.0); (465249.2, 3766216.3, 286.0, 286.0, 0.0);

(465349.2, 3766216.3, 283.7, 283.7, 0.0); (465449.2, 3766216.3, 280.4, 280.4, 0.0);

(465549.2, 3766216.3, 276.1, 281.0, 0.0); (465649.2, 3766216.3, 272.7, 281.0, 0.0);

(465749.2, 3766216.3, 270.4, 270.4, 0.0); (465849.2, 3766216.3, 269.0, 269.0, 0.0);

(465949.2, 3766216.3, 269.0, 269.0, 0.0); (466049.2, 3766216.3, 269.0, 269.0, 0.0);

(466149.2, 3766216.3, 268.0, 268.0, 0.0); (466249.2, 3766216.3, 261.0, 268.0, 0.0);

(466349.2, 3766216.3, 261.0, 261.0, 0.0); (466449.2, 3766216.3, 261.0, 261.0, 0.0);

(466549.2, 3766216.3, 261.3, 433.0, 0.0); (466649.2, 3766216.3, 262.0, 433.0, 0.0);

(466749.2, 3766216.3, 262.0, 447.0, 0.0); (466849.2, 3766216.3, 261.0, 447.0, 0.0);

(466949.2, 3766216.3, 261.0, 447.0, 0.0); (467049.2, 3766216.3, 261.0, 447.0, 0.0);

(467149.2, 3766216.3, 261.0, 447.0, 0.0); (464249.2, 3766316.3, 290.0, 489.0, 0.0);

(464349.2, 3766316.3, 293.0, 489.0, 0.0); (464449.2, 3766316.3, 290.0, 489.0, 0.0);

(464549.2, 3766316.3, 289.8, 489.0, 0.0); (464649.2, 3766316.3, 289.0, 489.0, 0.0);

(464749.2, 3766316.3, 286.9, 286.9, 0.0); (464849.2, 3766316.3, 285.4, 285.4, 0.0);

(464949.2, 3766316.3, 284.0, 284.0, 0.0); (465049.2, 3766316.3, 283.9, 283.9, 0.0);

(465149.2, 3766316.3, 284.2, 284.2, 0.0); (465249.2, 3766316.3, 283.0, 283.0, 0.0);

(465349.2, 3766316.3, 280.7, 280.7, 0.0); (465449.2, 3766316.3, 278.0, 278.0, 0.0);

(465549.2, 3766316.3, 275.7, 275.7, 0.0); (465649.2, 3766316.3, 272.1, 272.1, 0.0);

(465749.2, 3766316.3, 267.7, 267.7, 0.0); (465849.2, 3766316.3, 268.0, 268.0, 0.0);

(465949.2, 3766316.3, 269.0, 269.0, 0.0); (466049.2, 3766316.3, 270.0, 270.0, 0.0);

(466149.2, 3766316.3, 269.3, 269.3, 0.0); (466249.2, 3766316.3, 268.5, 268.5, 0.0);

(466349.2, 3766316.3, 262.0, 262.0, 0.0); (466449.2, 3766316.3, 261.3, 261.3, 0.0);

(466549.2, 3766316.3, 262.0, 433.0, 0.0); (466649.2, 3766316.3, 262.0, 433.0, 0.0);

(466749.2, 3766316.3, 262.0, 447.0, 0.0); (466849.2, 3766316.3, 262.0, 447.0, 0.0);

♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06

PAGE 26

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

(466949.2, 3766316.3, 262.0, 447.0, 0.0); (467049.2, 3766316.3, 261.0, 447.0, 0.0);

(467149.2, 3766316.3, 261.0, 447.0, 0.0); (464249.2, 3766416.3, 291.4, 489.0, 0.0);

(464349.2, 3766416.3, 293.0, 489.0, 0.0); (464449.2, 3766416.3, 291.9, 489.0, 0.0);

(464549.2, 3766416.3, 290.4, 489.0, 0.0); (464649.2, 3766416.3, 288.0, 489.0, 0.0);

(464749.2, 3766416.3, 286.0, 286.0, 0.0); (464849.2, 3766416.3, 285.0, 285.0, 0.0);

(464949.2, 3766416.3, 284.0, 284.0, 0.0); (465049.2, 3766416.3, 283.0, 283.0, 0.0);

(465149.2, 3766416.3, 282.1, 282.1, 0.0); (465249.2, 3766416.3, 281.3, 281.3, 0.0);

(465349.2, 3766416.3, 279.5, 279.5, 0.0); (465449.2, 3766416.3, 276.1, 276.1, 0.0);

(465549.2, 3766416.3, 273.4, 273.4, 0.0); (465649.2, 3766416.3, 269.4, 269.4, 0.0);

(465749.2, 3766416.3, 266.8, 266.8, 0.0); (465849.2, 3766416.3, 268.0, 268.0, 0.0);

(465949.2, 3766416.3, 268.0, 268.0, 0.0); (466049.2, 3766416.3, 269.9, 269.9, 0.0);

(466149.2, 3766416.3, 270.7, 270.7, 0.0); (466249.2, 3766416.3, 268.7, 268.7, 0.0);

(466349.2, 3766416.3, 263.4, 263.4, 0.0); (466449.2, 3766416.3, 262.0, 262.0, 0.0);

(466549.2, 3766416.3, 262.0, 433.0, 0.0); (466649.2, 3766416.3, 262.0, 433.0, 0.0);
(466749.2, 3766416.3, 262.0, 433.0, 0.0); (466849.2, 3766416.3, 262.7, 447.0, 0.0);
(466949.2, 3766416.3, 262.0, 447.0, 0.0); (467049.2, 3766416.3, 262.0, 447.0, 0.0);
(467149.2, 3766416.3, 261.0, 447.0, 0.0); (464249.2, 3766516.3, 292.7, 489.0, 0.0);
(464349.2, 3766516.3, 294.0, 489.0, 0.0); (464449.2, 3766516.3, 292.0, 489.0, 0.0);
(464549.2, 3766516.3, 290.4, 489.0, 0.0); (464649.2, 3766516.3, 288.0, 489.0, 0.0);
(464749.2, 3766516.3, 287.0, 287.0, 0.0); (464849.2, 3766516.3, 286.0, 286.0, 0.0);
(464949.2, 3766516.3, 284.0, 284.0, 0.0); (465049.2, 3766516.3, 282.0, 282.0, 0.0);
(465149.2, 3766516.3, 281.4, 281.4, 0.0); (465249.2, 3766516.3, 280.0, 280.0, 0.0);
(465349.2, 3766516.3, 276.7, 276.7, 0.0); (465449.2, 3766516.3, 274.0, 274.0, 0.0);
(465549.2, 3766516.3, 271.0, 271.0, 0.0); (465649.2, 3766516.3, 268.7, 268.7, 0.0);
(465749.2, 3766516.3, 266.4, 266.4, 0.0); (465849.2, 3766516.3, 267.0, 267.0, 0.0);
(465949.2, 3766516.3, 268.7, 268.7, 0.0); (466049.2, 3766516.3, 270.7, 270.7, 0.0);
(466149.2, 3766516.3, 272.0, 272.0, 0.0); (466249.2, 3766516.3, 270.0, 270.0, 0.0);
(466349.2, 3766516.3, 266.0, 268.0, 0.0); (466449.2, 3766516.3, 263.0, 263.0, 0.0);
(466549.2, 3766516.3, 262.0, 433.0, 0.0); (466649.2, 3766516.3, 262.0, 433.0, 0.0);
(466749.2, 3766516.3, 263.0, 433.0, 0.0); (466849.2, 3766516.3, 263.0, 447.0, 0.0);
(466949.2, 3766516.3, 263.0, 447.0, 0.0); (467049.2, 3766516.3, 262.0, 447.0, 0.0);
(467149.2, 3766516.3, 261.3, 447.0, 0.0); (464249.2, 3766616.3, 295.1, 489.0, 0.0);
(464349.2, 3766616.3, 294.0, 489.0, 0.0); (464449.2, 3766616.3, 292.0, 489.0, 0.0);
(464549.2, 3766616.3, 291.0, 489.0, 0.0); (464649.2, 3766616.3, 289.0, 289.0, 0.0);
(464749.2, 3766616.3, 287.8, 287.8, 0.0); (464849.2, 3766616.3, 287.0, 287.0, 0.0);
(464949.2, 3766616.3, 286.3, 286.3, 0.0); (465049.2, 3766616.3, 282.9, 282.9, 0.0);
(465149.2, 3766616.3, 280.0, 280.0, 0.0); (465249.2, 3766616.3, 276.7, 276.7, 0.0);
(465349.2, 3766616.3, 273.9, 273.9, 0.0); (465449.2, 3766616.3, 272.2, 272.2, 0.0);
(465549.2, 3766616.3, 270.0, 270.0, 0.0); (465649.2, 3766616.3, 268.1, 281.0, 0.0);
(465749.2, 3766616.3, 269.3, 281.0, 0.0); (465849.2, 3766616.3, 274.0, 274.0, 0.0);
(465949.2, 3766616.3, 268.8, 268.8, 0.0); (466049.2, 3766616.3, 269.7, 275.0, 0.0);

(466149.2, 3766616.3, 273.3, 273.3, 0.0); (466249.2, 3766616.3, 272.0, 272.0, 0.0);

(466349.2, 3766616.3, 267.9, 267.9, 0.0); (466449.2, 3766616.3, 264.0, 264.0, 0.0);

(466549.2, 3766616.3, 262.8, 429.0, 0.0); (466649.2, 3766616.3, 262.2, 433.0, 0.0);

(466749.2, 3766616.3, 263.0, 433.0, 0.0); (466849.2, 3766616.3, 264.0, 433.0, 0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

(466949.2, 3766616.3, 264.0, 447.0, 0.0); (467049.2, 3766616.3, 263.3, 447.0, 0.0);

(467149.2, 3766616.3, 262.2, 447.0, 0.0); (464249.2, 3766716.3, 296.4, 489.0, 0.0);

(464349.2, 3766716.3, 294.0, 489.0, 0.0); (464449.2, 3766716.3, 292.0, 489.0, 0.0);

(464549.2, 3766716.3, 291.0, 489.0, 0.0); (464649.2, 3766716.3, 290.0, 290.0, 0.0);

(464749.2, 3766716.3, 288.9, 288.9, 0.0); (464849.2, 3766716.3, 288.0, 288.0, 0.0);

(464949.2, 3766716.3, 287.0, 287.0, 0.0); (465049.2, 3766716.3, 283.4, 283.4, 0.0);

(465149.2, 3766716.3, 279.4, 279.4, 0.0); (465249.2, 3766716.3, 276.0, 276.0, 0.0);

(465349.2, 3766716.3, 274.7, 274.7, 0.0); (465449.2, 3766716.3, 273.2, 273.2, 0.0);

(465549.2, 3766716.3, 271.7, 271.7, 0.0); (465649.2, 3766716.3, 274.1, 281.0, 0.0);

(465749.2, 3766716.3, 274.4, 274.4, 0.0); (465849.2, 3766716.3, 274.7, 274.7, 0.0);

(465949.2, 3766716.3, 273.0, 273.0, 0.0); (466049.2, 3766716.3, 275.3, 275.3, 0.0);

(466149.2, 3766716.3, 276.0, 276.0, 0.0); (466249.2, 3766716.3, 275.7, 275.7, 0.0);

(466349.2, 3766716.3, 273.4, 273.4, 0.0); (466449.2, 3766716.3, 265.0, 275.0, 0.0);

(466549.2, 3766716.3, 263.7, 263.7, 0.0); (466649.2, 3766716.3, 263.0, 433.0, 0.0);

(466749.2, 3766716.3, 263.7, 433.0, 0.0); (466849.2, 3766716.3, 264.0, 433.0, 0.0);

(466949.2, 3766716.3, 264.0, 433.0, 0.0); (467049.2, 3766716.3, 264.0, 447.0, 0.0);

(467149.2, 3766716.3, 263.9, 447.0, 0.0); (464249.2, 3766816.3, 296.4, 489.0, 0.0);

(464349.2, 3766816.3, 294.0, 489.0, 0.0); (464449.2, 3766816.3, 292.0, 489.0, 0.0);

(464549.2, 3766816.3, 291.0, 291.0, 0.0); (464649.2, 3766816.3, 290.0, 290.0, 0.0);
(464749.2, 3766816.3, 288.7, 288.7, 0.0); (464849.2, 3766816.3, 287.4, 287.4, 0.0);
(464949.2, 3766816.3, 284.0, 284.0, 0.0); (465049.2, 3766816.3, 280.6, 280.6, 0.0);
(465149.2, 3766816.3, 280.0, 280.0, 0.0); (465249.2, 3766816.3, 277.0, 277.0, 0.0);
(465349.2, 3766816.3, 279.0, 279.0, 0.0); (465449.2, 3766816.3, 280.6, 280.6, 0.0);
(465549.2, 3766816.3, 281.0, 281.0, 0.0); (465649.2, 3766816.3, 277.4, 277.4, 0.0);
(465749.2, 3766816.3, 274.0, 274.0, 0.0); (465849.2, 3766816.3, 274.0, 274.0, 0.0);
(465949.2, 3766816.3, 279.0, 279.0, 0.0); (466049.2, 3766816.3, 279.0, 279.0, 0.0);
(466149.2, 3766816.3, 280.0, 280.0, 0.0); (466249.2, 3766816.3, 279.0, 279.0, 0.0);
(466349.2, 3766816.3, 278.3, 278.3, 0.0); (466449.2, 3766816.3, 268.0, 281.0, 0.0);
(466549.2, 3766816.3, 263.7, 281.0, 0.0); (466649.2, 3766816.3, 263.0, 429.0, 0.0);
(466749.2, 3766816.3, 264.0, 433.0, 0.0); (466849.2, 3766816.3, 265.0, 433.0, 0.0);
(466949.2, 3766816.3, 265.0, 433.0, 0.0); (467049.2, 3766816.3, 264.0, 447.0, 0.0);
(467149.2, 3766816.3, 264.0, 447.0, 0.0); (464249.2, 3766916.3, 296.2, 489.0, 0.0);
(464349.2, 3766916.3, 295.0, 489.0, 0.0); (464449.2, 3766916.3, 292.8, 292.8, 0.0);
(464549.2, 3766916.3, 292.0, 292.0, 0.0); (464649.2, 3766916.3, 291.0, 291.0, 0.0);
(464749.2, 3766916.3, 289.0, 289.0, 0.0); (464849.2, 3766916.3, 286.6, 286.6, 0.0);
(464949.2, 3766916.3, 283.4, 283.4, 0.0); (465049.2, 3766916.3, 280.0, 280.0, 0.0);
(465149.2, 3766916.3, 279.8, 279.8, 0.0); (465249.2, 3766916.3, 278.3, 278.3, 0.0);
(465349.2, 3766916.3, 279.3, 279.3, 0.0); (465449.2, 3766916.3, 281.3, 281.3, 0.0);
(465549.2, 3766916.3, 280.7, 280.7, 0.0); (465649.2, 3766916.3, 279.1, 279.1, 0.0);
(465749.2, 3766916.3, 276.0, 276.0, 0.0); (465849.2, 3766916.3, 275.0, 292.0, 0.0);
(465949.2, 3766916.3, 280.8, 286.0, 0.0); (466049.2, 3766916.3, 282.3, 282.3, 0.0);
(466149.2, 3766916.3, 282.0, 282.0, 0.0); (466249.2, 3766916.3, 281.3, 281.3, 0.0);
(466349.2, 3766916.3, 281.6, 281.6, 0.0); (466449.2, 3766916.3, 277.7, 281.0, 0.0);
(466549.2, 3766916.3, 265.0, 282.0, 0.0); (466649.2, 3766916.3, 264.0, 264.0, 0.0);
(466749.2, 3766916.3, 265.0, 429.0, 0.0); (466849.2, 3766916.3, 265.0, 433.0, 0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

(466949.2, 3766916.3,	265.0,	433.0,	0.0);	(467049.2, 3766916.3,	265.0,	433.0,	0.0);
(467149.2, 3766916.3,	264.8,	442.0,	0.0);	(464249.2, 3767016.3,	296.0,	489.0,	0.0);
(464349.2, 3767016.3,	295.0,	489.0,	0.0);	(464449.2, 3767016.3,	293.9,	293.9,	0.0);
(464549.2, 3767016.3,	293.0,	293.0,	0.0);	(464649.2, 3767016.3,	292.0,	292.0,	0.0);
(464749.2, 3767016.3,	289.9,	289.9,	0.0);	(464849.2, 3767016.3,	288.0,	288.0,	0.0);
(464949.2, 3767016.3,	286.7,	286.7,	0.0);	(465049.2, 3767016.3,	280.7,	280.7,	0.0);
(465149.2, 3767016.3,	280.9,	280.9,	0.0);	(465249.2, 3767016.3,	279.7,	279.7,	0.0);
(465349.2, 3767016.3,	280.2,	280.2,	0.0);	(465449.2, 3767016.3,	280.5,	280.5,	0.0);
(465549.2, 3767016.3,	281.7,	281.7,	0.0);	(465649.2, 3767016.3,	281.9,	281.9,	0.0);
(465749.2, 3767016.3,	280.4,	280.4,	0.0);	(465849.2, 3767016.3,	285.0,	286.0,	0.0);
(465949.2, 3767016.3,	287.3,	287.3,	0.0);	(466049.2, 3767016.3,	285.2,	285.2,	0.0);
(466149.2, 3767016.3,	284.7,	284.7,	0.0);	(466249.2, 3767016.3,	283.9,	283.9,	0.0);
(466349.2, 3767016.3,	283.2,	283.2,	0.0);	(466449.2, 3767016.3,	281.7,	281.7,	0.0);
(466549.2, 3767016.3,	271.3,	283.0,	0.0);	(466649.2, 3767016.3,	266.0,	282.0,	0.0);
(466749.2, 3767016.3,	265.0,	429.0,	0.0);	(466849.2, 3767016.3,	265.0,	433.0,	0.0);
(466949.2, 3767016.3,	265.8,	433.0,	0.0);	(467049.2, 3767016.3,	265.0,	433.0,	0.0);
(467149.2, 3767016.3,	265.0,	433.0,	0.0);	(464249.2, 3767116.3,	296.0,	489.0,	0.0);
(464349.2, 3767116.3,	295.0,	295.0,	0.0);	(464449.2, 3767116.3,	294.7,	294.7,	0.0);
(464549.2, 3767116.3,	294.0,	294.0,	0.0);	(464649.2, 3767116.3,	293.0,	293.0,	0.0);
(464749.2, 3767116.3,	290.7,	290.7,	0.0);	(464849.2, 3767116.3,	288.4,	288.4,	0.0);
(464949.2, 3767116.3,	287.0,	287.0,	0.0);	(465049.2, 3767116.3,	285.0,	285.0,	0.0);
(465149.2, 3767116.3,	284.0,	284.0,	0.0);	(465249.2, 3767116.3,	286.0,	286.0,	0.0);
(465349.2, 3767116.3,	287.0,	287.0,	0.0);	(465449.2, 3767116.3,	285.3,	285.3,	0.0);
(465549.2, 3767116.3,	284.0,	284.0,	0.0);	(465649.2, 3767116.3,	285.0,	285.0,	0.0);
(465749.2, 3767116.3,	287.0,	287.0,	0.0);	(465849.2, 3767116.3,	290.0,	290.0,	0.0);
(465949.2, 3767116.3,	292.0,	293.0,	0.0);	(466049.2, 3767116.3,	285.3,	285.3,	0.0);
(466149.2, 3767116.3,	287.0,	287.0,	0.0);	(466249.2, 3767116.3,	285.0,	285.0,	0.0);
(466349.2, 3767116.3,	286.0,	286.0,	0.0);	(466449.2, 3767116.3,	284.0,	284.0,	0.0);
(466549.2, 3767116.3,	281.7,	281.7,	0.0);	(466649.2, 3767116.3,	274.0,	282.0,	0.0);
(466749.2, 3767116.3,	267.0,	282.0,	0.0);	(466849.2, 3767116.3,	265.0,	429.0,	0.0);
(466949.2, 3767116.3,	266.0,	433.0,	0.0);	(467049.2, 3767116.3,	266.0,	433.0,	0.0);

(467149.2, 3767116.3, 265.0, 433.0, 0.0); (464249.2, 3767216.3, 297.0, 297.0, 0.0);
(464349.2, 3767216.3, 296.0, 296.0, 0.0); (464449.2, 3767216.3, 294.4, 294.4, 0.0);
(464549.2, 3767216.3, 293.2, 293.2, 0.0); (464649.2, 3767216.3, 292.0, 292.0, 0.0);
(464749.2, 3767216.3, 290.0, 290.0, 0.0); (464849.2, 3767216.3, 289.0, 289.0, 0.0);
(464949.2, 3767216.3, 288.0, 288.0, 0.0); (465049.2, 3767216.3, 287.0, 287.0, 0.0);
(465149.2, 3767216.3, 286.2, 286.2, 0.0); (465249.2, 3767216.3, 286.3, 286.3, 0.0);
(465349.2, 3767216.3, 286.5, 286.5, 0.0); (465449.2, 3767216.3, 286.8, 286.8, 0.0);
(465549.2, 3767216.3, 286.7, 286.7, 0.0); (465649.2, 3767216.3, 287.1, 293.0, 0.0);
(465749.2, 3767216.3, 292.1, 292.1, 0.0); (465849.2, 3767216.3, 290.3, 290.3, 0.0);
(465949.2, 3767216.3, 288.7, 288.7, 0.0); (466049.2, 3767216.3, 286.3, 286.3, 0.0);
(466149.2, 3767216.3, 288.0, 288.0, 0.0); (466249.2, 3767216.3, 286.0, 286.0, 0.0);
(466349.2, 3767216.3, 287.0, 287.0, 0.0); (466449.2, 3767216.3, 286.3, 286.3, 0.0);
(466549.2, 3767216.3, 284.2, 284.2, 0.0); (466649.2, 3767216.3, 281.3, 281.3, 0.0);
(466749.2, 3767216.3, 271.7, 281.0, 0.0); (466849.2, 3767216.3, 266.0, 266.0, 0.0);

♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06

PAGE 29

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

(466949.2, 3767216.3, 266.0, 429.0, 0.0); (467049.2, 3767216.3, 266.0, 433.0, 0.0);
(467149.2, 3767216.3, 265.3, 433.0, 0.0); (464249.2, 3767316.3, 298.0, 298.0, 0.0);
(464349.2, 3767316.3, 297.0, 297.0, 0.0); (464449.2, 3767316.3, 294.7, 294.7, 0.0);
(464549.2, 3767316.3, 292.6, 292.6, 0.0); (464649.2, 3767316.3, 291.0, 291.0, 0.0);
(464749.2, 3767316.3, 290.9, 290.9, 0.0); (464849.2, 3767316.3, 290.0, 290.0, 0.0);
(464949.2, 3767316.3, 289.0, 289.0, 0.0); (465049.2, 3767316.3, 288.0, 288.0, 0.0);
(465149.2, 3767316.3, 287.9, 287.9, 0.0); (465249.2, 3767316.3, 289.0, 289.0, 0.0);
(465349.2, 3767316.3, 287.4, 287.4, 0.0); (465449.2, 3767316.3, 286.7, 286.7, 0.0);
(465549.2, 3767316.3, 286.7, 286.7, 0.0); (465649.2, 3767316.3, 291.3, 291.3, 0.0);

(465749.2, 3767316.3, 293.0, 293.0, 0.0); (465849.2, 3767316.3, 292.0, 292.0, 0.0);

(465949.2, 3767316.3, 290.4, 290.4, 0.0); (466049.2, 3767316.3, 288.8, 288.8, 0.0);

(466149.2, 3767316.3, 288.0, 288.0, 0.0); (466249.2, 3767316.3, 287.0, 287.0, 0.0);

(466349.2, 3767316.3, 288.0, 288.0, 0.0); (466449.2, 3767316.3, 287.7, 287.7, 0.0);

(466549.2, 3767316.3, 284.9, 284.9, 0.0); (466649.2, 3767316.3, 279.7, 279.7, 0.0);

(466749.2, 3767316.3, 275.7, 275.7, 0.0); (466849.2, 3767316.3, 268.3, 275.0, 0.0);

(466949.2, 3767316.3, 267.0, 267.0, 0.0); (467049.2, 3767316.3, 266.7, 429.0, 0.0);

(467149.2, 3767316.3, 266.0, 433.0, 0.0); (464249.2, 3767416.3, 299.0, 299.0, 0.0);

(464349.2, 3767416.3, 299.0, 299.0, 0.0); (464449.2, 3767416.3, 295.7, 295.7, 0.0);

(464549.2, 3767416.3, 293.0, 293.0, 0.0); (464649.2, 3767416.3, 292.0, 292.0, 0.0);

(464749.2, 3767416.3, 291.7, 291.7, 0.0); (464849.2, 3767416.3, 291.0, 291.0, 0.0);

(464949.2, 3767416.3, 290.0, 290.0, 0.0); (465049.2, 3767416.3, 290.0, 290.0, 0.0);

(465149.2, 3767416.3, 289.0, 289.0, 0.0); (465249.2, 3767416.3, 289.0, 289.0, 0.0);

(465349.2, 3767416.3, 288.7, 288.7, 0.0); (465449.2, 3767416.3, 288.0, 288.0, 0.0);

(465549.2, 3767416.3, 290.0, 290.0, 0.0); (465649.2, 3767416.3, 293.3, 293.3, 0.0);

(465749.2, 3767416.3, 293.3, 293.3, 0.0); (465849.2, 3767416.3, 294.0, 294.0, 0.0);

(465949.2, 3767416.3, 292.0, 292.0, 0.0); (466049.2, 3767416.3, 291.0, 291.0, 0.0);

(466149.2, 3767416.3, 290.0, 290.0, 0.0); (466249.2, 3767416.3, 290.0, 290.0, 0.0);

(466349.2, 3767416.3, 289.3, 289.3, 0.0); (466449.2, 3767416.3, 288.0, 288.0, 0.0);

(466549.2, 3767416.3, 282.7, 287.0, 0.0); (466649.2, 3767416.3, 278.4, 278.4, 0.0);

(466749.2, 3767416.3, 277.0, 277.0, 0.0); (466849.2, 3767416.3, 275.7, 275.7, 0.0);

(466949.2, 3767416.3, 268.7, 275.0, 0.0); (467049.2, 3767416.3, 267.0, 423.0, 0.0);

(467149.2, 3767416.3, 267.0, 429.0, 0.0); (464249.2, 3767516.3, 300.0, 300.0, 0.0);

(464349.2, 3767516.3, 299.0, 299.0, 0.0); (464449.2, 3767516.3, 296.7, 296.7, 0.0);

(464549.2, 3767516.3, 294.3, 294.3, 0.0); (464649.2, 3767516.3, 293.3, 293.3, 0.0);

(464749.2, 3767516.3, 293.0, 293.0, 0.0); (464849.2, 3767516.3, 292.1, 292.1, 0.0);

(464949.2, 3767516.3, 291.3, 291.3, 0.0); (465049.2, 3767516.3, 291.0, 291.0, 0.0);

(465149.2, 3767516.3, 290.6, 290.6, 0.0); (465249.2, 3767516.3, 290.3, 290.3, 0.0);

(465349.2, 3767516.3, 291.0, 291.0, 0.0); (465449.2, 3767516.3, 291.3, 291.3, 0.0);

(465549.2, 3767516.3, 293.0, 293.0, 0.0); (465649.2, 3767516.3, 294.7, 294.7, 0.0);

(465749.2, 3767516.3, 297.2, 297.2, 0.0); (465849.2, 3767516.3, 296.3, 296.3, 0.0);

(465949.2, 3767516.3, 293.7, 293.7, 0.0); (466049.2, 3767516.3, 291.3, 291.3, 0.0);

(466149.2, 3767516.3, 292.3, 292.3, 0.0); (466249.2, 3767516.3, 291.8, 291.8, 0.0);

(466349.2, 3767516.3, 290.3, 290.3, 0.0); (466449.2, 3767516.3, 287.0, 287.0, 0.0);

(466549.2, 3767516.3, 275.6, 288.0, 0.0); (466649.2, 3767516.3, 274.7, 274.7, 0.0);

(466749.2, 3767516.3, 276.7, 276.7, 0.0); (466849.2, 3767516.3, 275.0, 275.0, 0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

(466949.2, 3767516.3, 271.9, 271.9, 0.0); (467049.2, 3767516.3, 267.3, 267.3, 0.0);

(467149.2, 3767516.3, 267.0, 423.0, 0.0); (464249.2, 3767616.3, 300.0, 300.0, 0.0);

(464349.2, 3767616.3, 298.0, 298.0, 0.0); (464449.2, 3767616.3, 296.9, 296.9, 0.0);

(464549.2, 3767616.3, 295.8, 295.8, 0.0); (464649.2, 3767616.3, 295.0, 295.0, 0.0);

(464749.2, 3767616.3, 294.4, 294.4, 0.0); (464849.2, 3767616.3, 293.8, 293.8, 0.0);

(464949.2, 3767616.3, 293.0, 293.0, 0.0); (465049.2, 3767616.3, 292.4, 292.4, 0.0);

(465149.2, 3767616.3, 292.0, 292.0, 0.0); (465249.2, 3767616.3, 292.0, 292.0, 0.0);

(465349.2, 3767616.3, 292.7, 292.7, 0.0); (465449.2, 3767616.3, 293.9, 293.9, 0.0);

(465549.2, 3767616.3, 294.7, 294.7, 0.0); (465649.2, 3767616.3, 296.8, 296.8, 0.0);

(465749.2, 3767616.3, 298.9, 298.9, 0.0); (465849.2, 3767616.3, 297.4, 297.4, 0.0);

(465949.2, 3767616.3, 298.2, 298.2, 0.0); (466049.2, 3767616.3, 292.2, 292.2, 0.0);

(466149.2, 3767616.3, 293.7, 293.7, 0.0); (466249.2, 3767616.3, 293.0, 293.0, 0.0);

(466349.2, 3767616.3, 292.2, 292.2, 0.0); (466449.2, 3767616.3, 276.8, 293.0, 0.0);

(466549.2, 3767616.3, 273.9, 288.0, 0.0); (466649.2, 3767616.3, 274.0, 274.0, 0.0);

(466749.2, 3767616.3, 275.0, 275.0, 0.0); (466849.2, 3767616.3, 274.2, 274.2, 0.0);

(466949.2, 3767616.3, 273.0, 273.0, 0.0); (467049.2, 3767616.3, 272.0, 273.0, 0.0);
(467149.2, 3767616.3, 268.1, 423.0, 0.0); (464249.2, 3767716.3, 300.4, 300.4, 0.0);
(464349.2, 3767716.3, 298.0, 298.0, 0.0); (464449.2, 3767716.3, 298.0, 298.0, 0.0);
(464549.2, 3767716.3, 297.0, 297.0, 0.0); (464649.2, 3767716.3, 296.0, 296.0, 0.0);
(464749.2, 3767716.3, 296.0, 296.0, 0.0); (464849.2, 3767716.3, 295.0, 295.0, 0.0);
(464949.2, 3767716.3, 294.0, 294.0, 0.0); (465049.2, 3767716.3, 294.0, 294.0, 0.0);
(465149.2, 3767716.3, 294.0, 294.0, 0.0); (465249.2, 3767716.3, 295.0, 295.0, 0.0);
(465349.2, 3767716.3, 296.0, 296.0, 0.0); (465449.2, 3767716.3, 296.0, 296.0, 0.0);
(465549.2, 3767716.3, 296.0, 296.0, 0.0); (465649.2, 3767716.3, 297.3, 297.3, 0.0);
(465749.2, 3767716.3, 299.0, 299.0, 0.0); (465849.2, 3767716.3, 299.0, 299.0, 0.0);
(465949.2, 3767716.3, 299.0, 299.0, 0.0); (466049.2, 3767716.3, 296.3, 296.3, 0.0);
(466149.2, 3767716.3, 296.0, 296.0, 0.0); (466249.2, 3767716.3, 294.0, 294.0, 0.0);
(466349.2, 3767716.3, 288.7, 292.0, 0.0); (466449.2, 3767716.3, 277.0, 293.0, 0.0);
(466549.2, 3767716.3, 276.7, 280.0, 0.0); (466649.2, 3767716.3, 276.0, 276.0, 0.0);
(466749.2, 3767716.3, 274.0, 274.0, 0.0); (466849.2, 3767716.3, 275.0, 280.0, 0.0);
(466949.2, 3767716.3, 277.3, 277.3, 0.0); (467049.2, 3767716.3, 274.0, 274.0, 0.0);
(467149.2, 3767716.3, 275.7, 293.0, 0.0); (464249.2, 3767816.3, 302.4, 302.4, 0.0);
(464349.2, 3767816.3, 300.0, 300.0, 0.0); (464449.2, 3767816.3, 299.0, 299.0, 0.0);
(464549.2, 3767816.3, 298.6, 298.6, 0.0); (464649.2, 3767816.3, 298.0, 298.0, 0.0);
(464749.2, 3767816.3, 297.2, 297.2, 0.0); (464849.2, 3767816.3, 296.1, 296.1, 0.0);
(464949.2, 3767816.3, 295.3, 295.3, 0.0); (465049.2, 3767816.3, 295.3, 295.3, 0.0);
(465149.2, 3767816.3, 296.2, 296.2, 0.0); (465249.2, 3767816.3, 299.0, 299.0, 0.0);
(465349.2, 3767816.3, 298.8, 298.8, 0.0); (465449.2, 3767816.3, 298.3, 298.3, 0.0);
(465549.2, 3767816.3, 297.3, 297.3, 0.0); (465649.2, 3767816.3, 298.1, 298.1, 0.0);
(465749.2, 3767816.3, 298.3, 298.3, 0.0); (465849.2, 3767816.3, 299.0, 299.0, 0.0);
(465949.2, 3767816.3, 299.5, 299.5, 0.0); (466049.2, 3767816.3, 297.3, 297.3, 0.0);
(466149.2, 3767816.3, 295.0, 295.0, 0.0); (466249.2, 3767816.3, 291.4, 293.0, 0.0);
(466349.2, 3767816.3, 280.2, 295.0, 0.0); (466449.2, 3767816.3, 278.0, 278.0, 0.0);

(466549.2, 3767816.3, 278.2, 278.2, 0.0); (466649.2, 3767816.3, 277.0, 277.0, 0.0);

(466749.2, 3767816.3, 274.3, 274.3, 0.0); (466849.2, 3767816.3, 274.7, 281.0, 0.0);

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

(466949.2, 3767816.3, 280.3, 280.3, 0.0); (467049.2, 3767816.3, 280.0, 280.0, 0.0);

(467149.2, 3767816.3, 278.8, 294.0, 0.0); (465576.2, 3765931.3, 284.6, 284.6, 0.0);

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

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000039	465949.2	3767116.3	-6.43
L0000040	465949.2	3767116.3	-1.99
L0000081	466049.2	3766716.3	-4.63
L0000082	466049.2	3766716.3	-5.11
L0000115	466049.2	3766416.3	-0.63
L0000116	466049.2	3766416.3	-7.18
L0000160	465749.2	3766116.3	-1.46
L0000183	465649.2	3765916.3	-0.19
L0000258	465849.2	3765416.3	-3.75
L0000259	465849.2	3765416.3	-0.05
L0000350	465549.2	3764616.3	-2.64

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

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06
PAGE 34
*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

Surface file: ..\..\RiversideAirportADJU\KRAL_V9_ADJU\KRAL_v9.SFC Met Version: 16216
Profile file: ..\..\RiversideAirportADJU\KRAL_V9_ADJU\KRAL_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-25.6	0.266	-9.000	-9.000	-999.	330.	77.9	0.15	2.40	1.00	2.93	55.	10.1	288.1	2.0
12	01	01	1	02	-26.8	0.277	-9.000	-9.000	-999.	351.	84.7	0.15	2.40	1.00	3.05	55.	10.1	287.0	2.0
12	01	01	1	03	-21.5	0.221	-9.000	-9.000	-999.	250.	53.5	0.15	2.40	1.00	2.45	74.	10.1	284.2	2.0
12	01	01	1	04	-22.0	0.227	-9.000	-9.000	-999.	260.	56.8	0.15	2.40	1.00	2.52	77.	10.1	285.9	2.0
12	01	01	1	05	-20.0	0.206	-9.000	-9.000	-999.	225.	46.8	0.15	2.40	1.00	2.30	80.	10.1	285.4	2.0
12	01	01	1	06	-14.4	0.171	-9.000	-9.000	-999.	170.	32.1	0.15	2.40	1.00	1.93	79.	10.1	287.0	2.0
12	01	01	1	07	-14.9	0.174	-9.000	-9.000	-999.	174.	33.2	0.15	2.40	1.00	1.96	77.	10.1	284.2	2.0
12	01	01	1	08	-11.9	0.169	-9.000	-9.000	-999.	167.	36.1	0.15	2.40	0.53	1.89	77.	10.1	288.1	2.0
12	01	01	1	09	40.4	0.234	0.359	0.006	40.	272.	-28.1	0.15	2.40	0.31	2.10	81.	10.1	289.2	2.0
12	01	01	1	10	112.6	0.246	0.742	0.005	129.	293.	-11.8	0.15	2.40	0.24	1.99	101.	10.1	296.4	2.0
12	01	01	1	11	161.0	0.402	1.188	0.005	369.	611.	-35.6	0.15	2.40	0.21	3.68	78.	10.1	298.8	2.0
12	01	01	1	12	184.7	0.337	1.516	0.005	668.	473.	-18.4	0.15	2.40	0.20	2.89	68.	10.1	300.4	2.0
12	01	01	1	13	183.9	0.310	1.809	0.005	1139.	414.	-14.2	0.15	2.40	0.20	2.57	64.	10.1	302.5	2.0
12	01	01	1	14	156.6	0.374	1.852	0.005	1434.	549.	-29.5	0.15	2.40	0.22	3.37	63.	10.1	303.1	2.0
12	01	01	1	15	104.3	0.382	1.658	0.005	1546.	567.	-47.2	0.15	2.40	0.25	3.59	62.	10.1	302.5	2.0

```
12 01 01   1 16   31.8  0.374  1.123  0.005 1573.  550.  -145.8  0.15   2.40   0.34    3.76   69.   10.1  300.9    2.0
12 01 01   1 17  -23.3  0.276 -9.000 -9.000 -999.  354.    84.0  0.15   2.40   0.62    3.03   59.   10.1  297.5    2.0
12 01 01   1 18  -21.5  0.229 -9.000 -9.000 -999.  264.    57.8  0.15   2.40   1.00    2.54   54.   10.1  295.4    2.0
12 01 01   1 19  -19.3  0.204 -9.000 -9.000 -999.  221.    45.6  0.15   2.40   1.00    2.27   79.   10.1  292.0    2.0
12 01 01   1 20  -20.7  0.218 -9.000 -9.000 -999.  244.    52.2  0.15   2.40   1.00    2.42   79.   10.1  292.5    2.0
12 01 01   1 21  -19.7  0.206 -9.000 -9.000 -999.  225.    46.9  0.15   2.40   1.00    2.30   95.   10.1  290.9    2.0
12 01 01   1 22  -17.6  0.190 -9.000 -9.000 -999.  199.    39.8  0.15   2.40   1.00    2.13   78.   10.1  290.4    2.0
12 01 01   1 23  -20.3  0.211 -9.000 -9.000 -999.  233.    49.0  0.15   2.40   1.00    2.35   52.   10.1  289.2    2.0
12 01 01   1 24  -16.4  0.183 -9.000 -9.000 -999.  189.    37.0  0.15   2.40   1.00    2.06   75.   10.1  288.8    2.0


First hour of profile data
YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW   sigmaV
12 01 01 01    10.1 1   55.    2.93   288.2   99.0  -99.00  -99.00

F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  18081 ***   *** Holly Street FedEx Project 01092019                        ***
01/09/19
 *** AERMET - VERSION  16216 ***   *** Annual AERMOD Run for DPM                                  ***
19:58:06
                                                                                PAGE  35
 *** MODELOPTs:    NonDFAULT  CONC  ELEV  FASTALL  URBAN  ADJ_U*

                  *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE
GROUP: ALL      ***
                     INCLUDING SOURCE(S):     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    , . . .
,

                                 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
     465387.37   3764391.18       0.00117                464249.25   3763916.32       0.00028
     464349.25   3763916.32       0.00029                464449.25   3763916.32       0.00030
     464549.25   3763916.32       0.00032                464649.25   3763916.32       0.00034
     464749.25   3763916.32       0.00035                464849.25   3763916.32       0.00036
     464949.25   3763916.32       0.00036                465049.25   3763916.32       0.00036
     465149.25   3763916.32       0.00034                465249.25   3763916.32       0.00033
     465349.25   3763916.32       0.00029                465449.25   3763916.32       0.00026
     465549.25   3763916.32       0.00024                465649.25   3763916.32       0.00023
     465749.25   3763916.32       0.00022                465849.25   3763916.32       0.00021
     465949.25   3763916.32       0.00020                466049.25   3763916.32       0.00020
     466149.25   3763916.32       0.00020                466249.25   3763916.32       0.00019
     466349.25   3763916.32       0.00019                466449.25   3763916.32       0.00019
     466549.25   3763916.32       0.00018                466649.25   3763916.32       0.00018
     466749.25   3763916.32       0.00018                466849.25   3763916.32       0.00017
     466949.25   3763916.32       0.00017                467049.25   3763916.32       0.00017
     467149.25   3763916.32       0.00017                464249.25   3764016.32       0.00029
```

464349.25	3764016.32	0.00031	464449.25	3764016.32	0.00033
464549.25	3764016.32	0.00035	464649.25	3764016.32	0.00037
464749.25	3764016.32	0.00039	464849.25	3764016.32	0.00041
464949.25	3764016.32	0.00042	465049.25	3764016.32	0.00042
465149.25	3764016.32	0.00042	465249.25	3764016.32	0.00040
465349.25	3764016.32	0.00038	465449.25	3764016.32	0.00033
465549.25	3764016.32	0.00029	465649.25	3764016.32	0.00027
465749.25	3764016.32	0.00026	465849.25	3764016.32	0.00025
465949.25	3764016.32	0.00024	466049.25	3764016.32	0.00023
466149.25	3764016.32	0.00023	466249.25	3764016.32	0.00022
466349.25	3764016.32	0.00022	466449.25	3764016.32	0.00022
466549.25	3764016.32	0.00021	466649.25	3764016.32	0.00021
466749.25	3764016.32	0.00021	466849.25	3764016.32	0.00020
466949.25	3764016.32	0.00020	467049.25	3764016.32	0.00019
467149.25	3764016.32	0.00019	464249.25	3764116.32	0.00031
464349.25	3764116.32	0.00033	464449.25	3764116.32	0.00035
464549.25	3764116.32	0.00038	464649.25	3764116.32	0.00040
464749.25	3764116.32	0.00043	464849.25	3764116.32	0.00046
464949.25	3764116.32	0.00048	465049.25	3764116.32	0.00051
465149.25	3764116.32	0.00052	465249.25	3764116.32	0.00051
465349.25	3764116.32	0.00049	465449.25	3764116.32	0.00045
465549.25	3764116.32	0.00037	465649.25	3764116.32	0.00034
465749.25	3764116.32	0.00031	465849.25	3764116.32	0.00030
465949.25	3764116.32	0.00028	466049.25	3764116.32	0.00028

♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 ***
01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM ***
19:58:06

PAGE 36

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

*** 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
466149.25	3764116.32	0.00027	466249.25	3764116.32	0.00027
466349.25	3764116.32	0.00026	466449.25	3764116.32	0.00026
466549.25	3764116.32	0.00025	466649.25	3764116.32	0.00025
466749.25	3764116.32	0.00024	466849.25	3764116.32	0.00024
466949.25	3764116.32	0.00023	467049.25	3764116.32	0.00023
467149.25	3764116.32	0.00022	464249.25	3764216.32	0.00032
464349.25	3764216.32	0.00034	464449.25	3764216.32	0.00037
464549.25	3764216.32	0.00043	464649.25	3764216.32	0.00043

464749.25	3764216.32	0.00051	464849.25	3764216.32	0.00051
464949.25	3764216.32	0.00055	465049.25	3764216.32	0.00060
465149.25	3764216.32	0.00063	465249.25	3764216.32	0.00066
465349.25	3764216.32	0.00066	465449.25	3764216.32	0.00062
465549.25	3764216.32	0.00051	465649.25	3764216.32	0.00044
465749.25	3764216.32	0.00040	465849.25	3764216.32	0.00037
465949.25	3764216.32	0.00036	466049.25	3764216.32	0.00035
466149.25	3764216.32	0.00034	466249.25	3764216.32	0.00033
466349.25	3764216.32	0.00033	466449.25	3764216.32	0.00032
466549.25	3764216.32	0.00031	466649.25	3764216.32	0.00030
466749.25	3764216.32	0.00029	466849.25	3764216.32	0.00029
466949.25	3764216.32	0.00028	467049.25	3764216.32	0.00027
467149.25	3764216.32	0.00026	464249.25	3764316.32	0.00033
464349.25	3764316.32	0.00036	464449.25	3764316.32	0.00044
464549.25	3764316.32	0.00048	464649.25	3764316.32	0.00046
464749.25	3764316.32	0.00056	464849.25	3764316.32	0.00056
464949.25	3764316.32	0.00062	465049.25	3764316.32	0.00069
465149.25	3764316.32	0.00077	465249.25	3764316.32	0.00084
465349.25	3764316.32	0.00089	465449.25	3764316.32	0.00091
465549.25	3764316.32	0.00078	465649.25	3764316.32	0.00066
465749.25	3764316.32	0.00056	465849.25	3764316.32	0.00050
465949.25	3764316.32	0.00048	466049.25	3764316.32	0.00047
466149.25	3764316.32	0.00046	466249.25	3764316.32	0.00044
466349.25	3764316.32	0.00043	466449.25	3764316.32	0.00041
466549.25	3764316.32	0.00039	466649.25	3764316.32	0.00038
466749.25	3764316.32	0.00036	466849.25	3764316.32	0.00035
466949.25	3764316.32	0.00033	467049.25	3764316.32	0.00032
467149.25	3764316.32	0.00030	464249.25	3764416.32	0.00035
464349.25	3764416.32	0.00037	464449.25	3764416.32	0.00042
464549.25	3764416.32	0.00047	464649.25	3764416.32	0.00049
464749.25	3764416.32	0.00054	464849.25	3764416.32	0.00060
464949.25	3764416.32	0.00068	465049.25	3764416.32	0.00077

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): 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 , . . . ,

*** 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

465149.25	3764416.32	0.00090	465249.25	3764416.32	0.00105
465349.25	3764416.32	0.00121	465449.25	3764416.32	0.00142
465549.25	3764416.32	0.00131	465849.25	3764416.32	0.00083
465949.25	3764416.32	0.00078	466049.25	3764416.32	0.00073
466149.25	3764416.32	0.00068	466249.25	3764416.32	0.00063
466349.25	3764416.32	0.00058	466449.25	3764416.32	0.00055
466549.25	3764416.32	0.00051	466649.25	3764416.32	0.00047
466749.25	3764416.32	0.00045	466849.25	3764416.32	0.00042
466949.25	3764416.32	0.00039	467049.25	3764416.32	0.00037
467149.25	3764416.32	0.00035	464249.25	3764516.32	0.00035
464349.25	3764516.32	0.00039	464449.25	3764516.32	0.00042
464549.25	3764516.32	0.00046	464649.25	3764516.32	0.00051
464749.25	3764516.32	0.00056	464849.25	3764516.32	0.00063
464949.25	3764516.32	0.00072	465049.25	3764516.32	0.00084
465149.25	3764516.32	0.00100	465249.25	3764516.32	0.00124
465349.25	3764516.32	0.00160	465449.25	3764516.32	0.00244
465549.25	3764516.32	0.00334	465949.25	3764516.32	0.00166
466049.25	3764516.32	0.00125	466149.25	3764516.32	0.00103
466249.25	3764516.32	0.00089	466349.25	3764516.32	0.00079
466449.25	3764516.32	0.00071	466549.25	3764516.32	0.00064
466649.25	3764516.32	0.00058	466749.25	3764516.32	0.00053
466849.25	3764516.32	0.00049	466949.25	3764516.32	0.00046
467049.25	3764516.32	0.00043	467149.25	3764516.32	0.00040
464249.25	3764616.32	0.00036	464349.25	3764616.32	0.00040
464449.25	3764616.32	0.00043	464549.25	3764616.32	0.00047
464649.25	3764616.32	0.00052	464749.25	3764616.32	0.00058
464849.25	3764616.32	0.00065	464949.25	3764616.32	0.00075
465049.25	3764616.32	0.00088	465149.25	3764616.32	0.00107
465249.25	3764616.32	0.00136	465349.25	3764616.32	0.00188
465449.25	3764616.32	0.00332	465549.25	3764616.32	0.00742
465949.25	3764616.32	0.00262	466049.25	3764616.32	0.00176
466149.25	3764616.32	0.00139	466249.25	3764616.32	0.00115
466349.25	3764616.32	0.00099	466449.25	3764616.32	0.00086
466549.25	3764616.32	0.00076	466649.25	3764616.32	0.00068
466749.25	3764616.32	0.00061	466849.25	3764616.32	0.00056
466949.25	3764616.32	0.00051	467049.25	3764616.32	0.00047
467149.25	3764616.32	0.00044	464249.25	3764716.32	0.00037
464349.25	3764716.32	0.00047	464449.25	3764716.32	0.00044
464549.25	3764716.32	0.00048	464649.25	3764716.32	0.00053
464749.25	3764716.32	0.00059	464849.25	3764716.32	0.00067

♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06

PAGE 38

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . .

,

*** 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
464949.25	3764716.32	0.00077	465049.25	3764716.32	0.00091
465149.25	3764716.32	0.00110	465249.25	3764716.32	0.00141
465349.25	3764716.32	0.00201	465449.25	3764716.32	0.00323
465549.25	3764716.32	0.00908	466049.25	3764716.32	0.00218
466149.25	3764716.32	0.00163	466249.25	3764716.32	0.00132
466349.25	3764716.32	0.00112	466449.25	3764716.32	0.00096
466549.25	3764716.32	0.00084	466649.25	3764716.32	0.00074
466749.25	3764716.32	0.00066	466849.25	3764716.32	0.00060
466949.25	3764716.32	0.00055	467049.25	3764716.32	0.00050
467149.25	3764716.32	0.00046	464249.25	3764816.32	0.00042
464349.25	3764816.32	0.00048	464449.25	3764816.32	0.00040
464549.25	3764816.32	0.00055	464649.25	3764816.32	0.00056
464749.25	3764816.32	0.00060	464849.25	3764816.32	0.00068
464949.25	3764816.32	0.00078	465049.25	3764816.32	0.00091
465149.25	3764816.32	0.00110	465249.25	3764816.32	0.00139
465349.25	3764816.32	0.00191	465449.25	3764816.32	0.00293
465549.25	3764816.32	0.00746	466149.25	3764816.32	0.00182
466249.25	3764816.32	0.00142	466349.25	3764816.32	0.00117
466449.25	3764816.32	0.00100	466549.25	3764816.32	0.00086
466649.25	3764816.32	0.00076	466749.25	3764816.32	0.00068
466849.25	3764816.32	0.00061	466949.25	3764816.32	0.00055
467049.25	3764816.32	0.00051	467149.25	3764816.32	0.00047
464249.25	3764916.32	0.00040	464349.25	3764916.32	0.00042
464449.25	3764916.32	0.00038	464549.25	3764916.32	0.00057
464649.25	3764916.32	0.00062	464749.25	3764916.32	0.00068
464849.25	3764916.32	0.00071	464949.25	3764916.32	0.00078
465049.25	3764916.32	0.00091	465149.25	3764916.32	0.00109
465249.25	3764916.32	0.00135	465349.25	3764916.32	0.00180
465449.25	3764916.32	0.00264	465549.25	3764916.32	0.00565
466249.25	3764916.32	0.00139	466349.25	3764916.32	0.00112
466449.25	3764916.32	0.00094	466549.25	3764916.32	0.00082
466649.25	3764916.32	0.00073	466749.25	3764916.32	0.00065
466849.25	3764916.32	0.00059	466949.25	3764916.32	0.00054
467049.25	3764916.32	0.00050	467149.25	3764916.32	0.00046
464249.25	3765016.32	0.00038	464349.25	3765016.32	0.00041
464449.25	3765016.32	0.00042	464549.25	3765016.32	0.00036
464649.25	3765016.32	0.00046	464749.25	3765016.32	0.00064
464849.25	3765016.32	0.00071	464949.25	3765016.32	0.00078
465049.25	3765016.32	0.00091	465149.25	3765016.32	0.00107
465249.25	3765016.32	0.00130	465349.25	3765016.32	0.00167

♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06

PAGE 39

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***

INCLUDING SOURCE(S): 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 , . . . ,

*** 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
465449.25	3765016.32	0.00239	465549.25	3765016.32	0.00460
466049.25	3765016.32	0.00171	466149.25	3765016.32	0.00132
466249.25	3765016.32	0.00110	466349.25	3765016.32	0.00096
466449.25	3765016.32	0.00084	466549.25	3765016.32	0.00074
466649.25	3765016.32	0.00067	466749.25	3765016.32	0.00061
466849.25	3765016.32	0.00056	466949.25	3765016.32	0.00052
467049.25	3765016.32	0.00048	467149.25	3765016.32	0.00044
464249.25	3765116.32	0.00038	464349.25	3765116.32	0.00043
464449.25	3765116.32	0.00039	464549.25	3765116.32	0.00049
464649.25	3765116.32	0.00055	464749.25	3765116.32	0.00061
464849.25	3765116.32	0.00069	464949.25	3765116.32	0.00079
465049.25	3765116.32	0.00090	465149.25	3765116.32	0.00106
465249.25	3765116.32	0.00126	465349.25	3765116.32	0.00157
465449.25	3765116.32	0.00213	465549.25	3765116.32	0.00373
465649.25	3765116.32	0.00900	465849.25	3765116.32	0.00237
465949.25	3765116.32	0.00178	466049.25	3765116.32	0.00141
466149.25	3765116.32	0.00117	466249.25	3765116.32	0.00099
466349.25	3765116.32	0.00087	466449.25	3765116.32	0.00078
466549.25	3765116.32	0.00070	466649.25	3765116.32	0.00063
466749.25	3765116.32	0.00058	466849.25	3765116.32	0.00053
466949.25	3765116.32	0.00050	467049.25	3765116.32	0.00046
467149.25	3765116.32	0.00043	464249.25	3765216.32	0.00038
464349.25	3765216.32	0.00044	464449.25	3765216.32	0.00045
464549.25	3765216.32	0.00059	464649.25	3765216.32	0.00066
464749.25	3765216.32	0.00053	464849.25	3765216.32	0.00066
464949.25	3765216.32	0.00080	465049.25	3765216.32	0.00091
465149.25	3765216.32	0.00106	465249.25	3765216.32	0.00123
465349.25	3765216.32	0.00148	465449.25	3765216.32	0.00189
465549.25	3765216.32	0.00279	465649.25	3765216.32	0.00657
465749.25	3765216.32	0.00707	465849.25	3765216.32	0.00325
465949.25	3765216.32	0.00211	466049.25	3765216.32	0.00157
466149.25	3765216.32	0.00124	466249.25	3765216.32	0.00104
466349.25	3765216.32	0.00089	466449.25	3765216.32	0.00078
466549.25	3765216.32	0.00069	466649.25	3765216.32	0.00063
466749.25	3765216.32	0.00057	466849.25	3765216.32	0.00052
466949.25	3765216.32	0.00048	467049.25	3765216.32	0.00045
467149.25	3765216.32	0.00042	464249.25	3765316.32	0.00038
464349.25	3765316.32	0.00043	464449.25	3765316.32	0.00050
464549.25	3765316.32	0.00062	464649.25	3765316.32	0.00067
464749.25	3765316.32	0.00075	464849.25	3765316.32	0.00078

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

*** 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
464949.25	3765316.32	0.00083	465049.25	3765316.32	0.00093
465149.25	3765316.32	0.00110	465249.25	3765316.32	0.00129
465349.25	3765316.32	0.00147	465449.25	3765316.32	0.00182
465549.25	3765316.32	0.00221	465649.25	3765316.32	0.00314
465749.25	3765316.32	0.00607	465849.25	3765316.32	0.00774
465949.25	3765316.32	0.00281	466049.25	3765316.32	0.00181
466149.25	3765316.32	0.00136	466249.25	3765316.32	0.00110
466349.25	3765316.32	0.00092	466449.25	3765316.32	0.00080
466549.25	3765316.32	0.00071	466649.25	3765316.32	0.00063
466749.25	3765316.32	0.00057	466849.25	3765316.32	0.00052
466949.25	3765316.32	0.00049	467049.25	3765316.32	0.00045
467149.25	3765316.32	0.00042	464249.25	3765416.32	0.00039
464349.25	3765416.32	0.00044	464449.25	3765416.32	0.00050
464549.25	3765416.32	0.00057	464649.25	3765416.32	0.00067
464749.25	3765416.32	0.00076	464849.25	3765416.32	0.00085
464949.25	3765416.32	0.00088	465049.25	3765416.32	0.00096
465149.25	3765416.32	0.00113	465249.25	3765416.32	0.00132
465349.25	3765416.32	0.00159	465449.25	3765416.32	0.00190
465549.25	3765416.32	0.00227	465649.25	3765416.32	0.00288
465749.25	3765416.32	0.00421	465849.25	3765416.32	0.00731
465949.25	3765416.32	0.00337	466049.25	3765416.32	0.00195
466149.25	3765416.32	0.00141	466249.25	3765416.32	0.00112
466349.25	3765416.32	0.00094	466449.25	3765416.32	0.00082
466549.25	3765416.32	0.00072	466649.25	3765416.32	0.00064
466749.25	3765416.32	0.00058	466849.25	3765416.32	0.00053
466949.25	3765416.32	0.00049	467049.25	3765416.32	0.00045
467149.25	3765416.32	0.00042	464249.25	3765516.32	0.00039
464349.25	3765516.32	0.00043	464449.25	3765516.32	0.00051
464549.25	3765516.32	0.00057	464649.25	3765516.32	0.00068
464749.25	3765516.32	0.00071	464849.25	3765516.32	0.00078
464949.25	3765516.32	0.00088	465049.25	3765516.32	0.00100
465149.25	3765516.32	0.00117	465249.25	3765516.32	0.00142

465349.25	3765516.32	0.00182	465449.25	3765516.32	0.00235
465549.25	3765516.32	0.00309	465649.25	3765516.32	0.00470
465749.25	3765516.32	0.00945	465849.25	3765516.32	0.00606
465949.25	3765516.32	0.00303	466049.25	3765516.32	0.00181
466149.25	3765516.32	0.00135	466249.25	3765516.32	0.00110
466349.25	3765516.32	0.00093	466449.25	3765516.32	0.00081
466549.25	3765516.32	0.00072	466649.25	3765516.32	0.00065
466749.25	3765516.32	0.00059	466849.25	3765516.32	0.00053

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

*** 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
466949.25	3765516.32	0.00049	467049.25	3765516.32	0.00045
467149.25	3765516.32	0.00042	464249.25	3765616.32	0.00038
464349.25	3765616.32	0.00043	464449.25	3765616.32	0.00050
464549.25	3765616.32	0.00059	464649.25	3765616.32	0.00063
464749.25	3765616.32	0.00069	464849.25	3765616.32	0.00077
464949.25	3765616.32	0.00087	465049.25	3765616.32	0.00101
465149.25	3765616.32	0.00119	465249.25	3765616.32	0.00151
465349.25	3765616.32	0.00228	465449.25	3765616.32	0.00354
465549.25	3765616.32	0.00707	465649.25	3765616.32	0.01004
465749.25	3765616.32	0.00481	465849.25	3765616.32	0.00301
465949.25	3765616.32	0.00225	466049.25	3765616.32	0.00159
466149.25	3765616.32	0.00126	466249.25	3765616.32	0.00105
466349.25	3765616.32	0.00091	466449.25	3765616.32	0.00080
466549.25	3765616.32	0.00072	466649.25	3765616.32	0.00065
466749.25	3765616.32	0.00059	466849.25	3765616.32	0.00054
466949.25	3765616.32	0.00049	467049.25	3765616.32	0.00046
467149.25	3765616.32	0.00043	464249.25	3765716.32	0.00038
464349.25	3765716.32	0.00042	464449.25	3765716.32	0.00049
464549.25	3765716.32	0.00055	464649.25	3765716.32	0.00061
464749.25	3765716.32	0.00067	464849.25	3765716.32	0.00076
464949.25	3765716.32	0.00086	465049.25	3765716.32	0.00100
465149.25	3765716.32	0.00119	465249.25	3765716.32	0.00153
465349.25	3765716.32	0.00240	465449.25	3765716.32	0.00441
465549.25	3765716.32	0.01030	465649.25	3765716.32	0.00442

465749.25	3765716.32	0.00302	465849.25	3765716.32	0.00218
465949.25	3765716.32	0.00170	466049.25	3765716.32	0.00138
466149.25	3765716.32	0.00125	466249.25	3765716.32	0.00101
466349.25	3765716.32	0.00089	466449.25	3765716.32	0.00080
466549.25	3765716.32	0.00072	466649.25	3765716.32	0.00065
466749.25	3765716.32	0.00059	466849.25	3765716.32	0.00054
466949.25	3765716.32	0.00050	467049.25	3765716.32	0.00046
467149.25	3765716.32	0.00043	464249.25	3765816.32	0.00037
464349.25	3765816.32	0.00042	464449.25	3765816.32	0.00047
464549.25	3765816.32	0.00053	464649.25	3765816.32	0.00059
464749.25	3765816.32	0.00065	464849.25	3765816.32	0.00073
464949.25	3765816.32	0.00085	465049.25	3765816.32	0.00098
465149.25	3765816.32	0.00116	465249.25	3765816.32	0.00145
465349.25	3765816.32	0.00199	465449.25	3765816.32	0.00306
465549.25	3765816.32	0.00757	465649.25	3765816.32	0.00583
465749.25	3765816.32	0.00304	465849.25	3765816.32	0.00204

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

*** 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
465949.25	3765816.32	0.00154	466049.25	3765816.32	0.00131
466149.25	3765816.32	0.00118	466249.25	3765816.32	0.00100
466349.25	3765816.32	0.00090	466449.25	3765816.32	0.00080
466549.25	3765816.32	0.00072	466649.25	3765816.32	0.00065
466749.25	3765816.32	0.00060	466849.25	3765816.32	0.00055
466949.25	3765816.32	0.00050	467049.25	3765816.32	0.00047
467149.25	3765816.32	0.00044	464249.25	3765916.32	0.00036
464349.25	3765916.32	0.00041	464449.25	3765916.32	0.00046
464549.25	3765916.32	0.00053	464649.25	3765916.32	0.00057
464749.25	3765916.32	0.00063	464849.25	3765916.32	0.00071
464949.25	3765916.32	0.00081	465049.25	3765916.32	0.00093
465149.25	3765916.32	0.00110	465249.25	3765916.32	0.00134
465349.25	3765916.32	0.00173	465449.25	3765916.32	0.00239
465549.25	3765916.32	0.00397	465649.25	3765916.32	0.00960
465749.25	3765916.32	0.00398	465849.25	3765916.32	0.00224
465949.25	3765916.32	0.00167	466049.25	3765916.32	0.00142

466149.25	3765916.32	0.00120	466249.25	3765916.32	0.00103
466349.25	3765916.32	0.00092	466449.25	3765916.32	0.00082
466549.25	3765916.32	0.00074	466649.25	3765916.32	0.00067
466749.25	3765916.32	0.00061	466849.25	3765916.32	0.00056
466949.25	3765916.32	0.00051	467049.25	3765916.32	0.00047
467149.25	3765916.32	0.00044	464249.25	3766016.32	0.00036
464349.25	3766016.32	0.00040	464449.25	3766016.32	0.00044
464549.25	3766016.32	0.00050	464649.25	3766016.32	0.00055
464749.25	3766016.32	0.00060	464849.25	3766016.32	0.00067
464949.25	3766016.32	0.00076	465049.25	3766016.32	0.00087
465149.25	3766016.32	0.00102	465249.25	3766016.32	0.00123
465349.25	3766016.32	0.00153	465449.25	3766016.32	0.00200
465549.25	3766016.32	0.00290	465649.25	3766016.32	0.00582
465749.25	3766016.32	0.00645	465849.25	3766016.32	0.00300
465949.25	3766016.32	0.00218	466049.25	3766016.32	0.00165
466149.25	3766016.32	0.00132	466249.25	3766016.32	0.00111
466349.25	3766016.32	0.00098	466449.25	3766016.32	0.00086
466549.25	3766016.32	0.00077	466649.25	3766016.32	0.00070
466749.25	3766016.32	0.00063	466849.25	3766016.32	0.00057
466949.25	3766016.32	0.00052	467049.25	3766016.32	0.00048
467149.25	3766016.32	0.00045	464249.25	3766116.32	0.00035
464349.25	3766116.32	0.00038	464449.25	3766116.32	0.00042
464549.25	3766116.32	0.00047	464649.25	3766116.32	0.00052
464749.25	3766116.32	0.00057	464849.25	3766116.32	0.00063

♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06

PAGE 43

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

*** 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
464949.25	3766116.32	0.00071	465049.25	3766116.32	0.00081
465149.25	3766116.32	0.00094	465249.25	3766116.32	0.00110
465349.25	3766116.32	0.00133	465449.25	3766116.32	0.00170
465549.25	3766116.32	0.00233	465649.25	3766116.32	0.00387
465749.25	3766116.32	0.00870	465849.25	3766116.32	0.00442
465949.25	3766116.32	0.00278	466049.25	3766116.32	0.00203
466149.25	3766116.32	0.00155	466249.25	3766116.32	0.00125
466349.25	3766116.32	0.00106	466449.25	3766116.32	0.00092

466549.25	3766116.32	0.00081	466649.25	3766116.32	0.00073
466749.25	3766116.32	0.00066	466849.25	3766116.32	0.00059
466949.25	3766116.32	0.00054	467049.25	3766116.32	0.00049
467149.25	3766116.32	0.00046	464249.25	3766216.32	0.00034
464349.25	3766216.32	0.00037	464449.25	3766216.32	0.00040
464549.25	3766216.32	0.00044	464649.25	3766216.32	0.00048
464749.25	3766216.32	0.00053	464849.25	3766216.32	0.00059
464949.25	3766216.32	0.00066	465049.25	3766216.32	0.00074
465149.25	3766216.32	0.00085	465249.25	3766216.32	0.00099
465349.25	3766216.32	0.00117	465449.25	3766216.32	0.00143
465549.25	3766216.32	0.00181	465649.25	3766216.32	0.00239
465749.25	3766216.32	0.00476	465849.25	3766216.32	0.01079
465949.25	3766216.32	0.00457	466049.25	3766216.32	0.00282
466149.25	3766216.32	0.00200	466249.25	3766216.32	0.00146
466349.25	3766216.32	0.00120	466449.25	3766216.32	0.00101
466549.25	3766216.32	0.00087	466649.25	3766216.32	0.00077
466749.25	3766216.32	0.00068	466849.25	3766216.32	0.00061
466949.25	3766216.32	0.00055	467049.25	3766216.32	0.00051
467149.25	3766216.32	0.00046	464249.25	3766316.32	0.00032
464349.25	3766316.32	0.00036	464449.25	3766316.32	0.00038
464549.25	3766316.32	0.00042	464649.25	3766316.32	0.00046
464749.25	3766316.32	0.00050	464849.25	3766316.32	0.00055
464949.25	3766316.32	0.00061	465049.25	3766316.32	0.00068
465149.25	3766316.32	0.00077	465249.25	3766316.32	0.00089
465349.25	3766316.32	0.00103	465449.25	3766316.32	0.00120
465549.25	3766316.32	0.00144	465649.25	3766316.32	0.00175
465749.25	3766316.32	0.00252	465849.25	3766316.32	0.00492
465949.25	3766316.32	0.01164	466049.25	3766316.32	0.00499
466149.25	3766316.32	0.00286	466249.25	3766316.32	0.00194
466349.25	3766316.32	0.00138	466449.25	3766316.32	0.00111
466549.25	3766316.32	0.00094	466649.25	3766316.32	0.00081
466749.25	3766316.32	0.00071	466849.25	3766316.32	0.00063

♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06

PAGE 44

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): 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 , . . . ,

*** 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

466949.25	3766316.32	0.00057	467049.25	3766316.32	0.00051
467149.25	3766316.32	0.00047	464249.25	3766416.32	0.00031
464349.25	3766416.32	0.00034	464449.25	3766416.32	0.00037
464549.25	3766416.32	0.00040	464649.25	3766416.32	0.00043
464749.25	3766416.32	0.00046	464849.25	3766416.32	0.00051
464949.25	3766416.32	0.00056	465049.25	3766416.32	0.00063
465149.25	3766416.32	0.00071	465249.25	3766416.32	0.00080
465349.25	3766416.32	0.00090	465449.25	3766416.32	0.00102
465549.25	3766416.32	0.00115	465649.25	3766416.32	0.00140
465749.25	3766416.32	0.00178	465849.25	3766416.32	0.00257
465949.25	3766416.32	0.00438	466049.25	3766416.32	0.00965
466149.25	3766416.32	0.00517	466249.25	3766416.32	0.00247
466349.25	3766416.32	0.00158	466449.25	3766416.32	0.00120
466549.25	3766416.32	0.00098	466649.25	3766416.32	0.00083
466749.25	3766416.32	0.00072	466849.25	3766416.32	0.00064
466949.25	3766416.32	0.00057	467049.25	3766416.32	0.00052
467149.25	3766416.32	0.00047	464249.25	3766516.32	0.00030
464349.25	3766516.32	0.00032	464449.25	3766516.32	0.00035
464549.25	3766516.32	0.00037	464649.25	3766516.32	0.00040
464749.25	3766516.32	0.00044	464849.25	3766516.32	0.00048
464949.25	3766516.32	0.00053	465049.25	3766516.32	0.00058
465149.25	3766516.32	0.00065	465249.25	3766516.32	0.00073
465349.25	3766516.32	0.00080	465449.25	3766516.32	0.00089
465549.25	3766516.32	0.00102	465649.25	3766516.32	0.00121
465749.25	3766516.32	0.00147	465849.25	3766516.32	0.00194
465949.25	3766516.32	0.00288	466049.25	3766516.32	0.00601
466149.25	3766516.32	0.00634	466249.25	3766516.32	0.00269
466349.25	3766516.32	0.00169	466449.25	3766516.32	0.00124
466549.25	3766516.32	0.00099	466649.25	3766516.32	0.00084
466749.25	3766516.32	0.00073	466849.25	3766516.32	0.00064
466949.25	3766516.32	0.00057	467049.25	3766516.32	0.00051
467149.25	3766516.32	0.00047	464249.25	3766616.32	0.00029
464349.25	3766616.32	0.00031	464449.25	3766616.32	0.00033
464549.25	3766616.32	0.00035	464649.25	3766616.32	0.00038
464749.25	3766616.32	0.00041	464849.25	3766616.32	0.00045
464949.25	3766616.32	0.00050	465049.25	3766616.32	0.00054
465149.25	3766616.32	0.00060	465249.25	3766616.32	0.00065
465349.25	3766616.32	0.00072	465449.25	3766616.32	0.00081
465549.25	3766616.32	0.00094	465649.25	3766616.32	0.00111
465749.25	3766616.32	0.00138	465849.25	3766616.32	0.00187

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
465949.25	3766616.32	0.00273	466049.25	3766616.32	0.00668
466149.25	3766616.32	0.00473	466249.25	3766616.32	0.00248
466349.25	3766616.32	0.00164	466449.25	3766616.32	0.00121
466549.25	3766616.32	0.00098	466649.25	3766616.32	0.00082
466749.25	3766616.32	0.00071	466849.25	3766616.32	0.00063
466949.25	3766616.32	0.00056	467049.25	3766616.32	0.00051
467149.25	3766616.32	0.00046	464249.25	3766716.32	0.00028
464349.25	3766716.32	0.00029	464449.25	3766716.32	0.00031
464549.25	3766716.32	0.00033	464649.25	3766716.32	0.00036
464749.25	3766716.32	0.00039	464849.25	3766716.32	0.00043
464949.25	3766716.32	0.00047	465049.25	3766716.32	0.00051
465149.25	3766716.32	0.00055	465249.25	3766716.32	0.00060
465349.25	3766716.32	0.00068	465449.25	3766716.32	0.00077
465549.25	3766716.32	0.00090	465649.25	3766716.32	0.00109
465749.25	3766716.32	0.00137	465849.25	3766716.32	0.00187
465949.25	3766716.32	0.00306	466049.25	3766716.32	0.00581
466149.25	3766716.32	0.00367	466249.25	3766716.32	0.00211
466349.25	3766716.32	0.00155	466449.25	3766716.32	0.00115
466549.25	3766716.32	0.00094	466649.25	3766716.32	0.00079
466749.25	3766716.32	0.00069	466849.25	3766716.32	0.00061
466949.25	3766716.32	0.00055	467049.25	3766716.32	0.00049
467149.25	3766716.32	0.00045	464249.25	3766816.32	0.00026
464349.25	3766816.32	0.00027	464449.25	3766816.32	0.00029
464549.25	3766816.32	0.00031	464649.25	3766816.32	0.00034
464749.25	3766816.32	0.00037	464849.25	3766816.32	0.00040
464949.25	3766816.32	0.00043	465049.25	3766816.32	0.00047
465149.25	3766816.32	0.00052	465249.25	3766816.32	0.00058
465349.25	3766816.32	0.00067	465449.25	3766816.32	0.00078
465549.25	3766816.32	0.00093	465649.25	3766816.32	0.00109
465749.25	3766816.32	0.00136	465849.25	3766816.32	0.00191
465949.25	3766816.32	0.00368	466049.25	3766816.32	0.00888
466149.25	3766816.32	0.00299	466249.25	3766816.32	0.00182
466349.25	3766816.32	0.00132	466449.25	3766816.32	0.00109
466549.25	3766816.32	0.00088	466649.25	3766816.32	0.00075
466749.25	3766816.32	0.00066	466849.25	3766816.32	0.00059
466949.25	3766816.32	0.00053	467049.25	3766816.32	0.00047
467149.25	3766816.32	0.00043	464249.25	3766916.32	0.00025
464349.25	3766916.32	0.00026	464449.25	3766916.32	0.00027
464549.25	3766916.32	0.00029	464649.25	3766916.32	0.00032
464749.25	3766916.32	0.00034	464849.25	3766916.32	0.00037

♀ *** AERMOD - VERSION 18081 *** *** Holly Street FedEx Project 01092019 *** 01/09/19
*** AERMET - VERSION 16216 *** *** Annual AERMOD Run for DPM *** 19:58:06

PAGE 46

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***

INCLUDING SOURCE(S): 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 , . . . ,

*** 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
464949.25	3766916.32	0.00040	465049.25	3766916.32	0.00043
465149.25	3766916.32	0.00049	465249.25	3766916.32	0.00055
465349.25	3766916.32	0.00063	465449.25	3766916.32	0.00075
465549.25	3766916.32	0.00089	465649.25	3766916.32	0.00109
465749.25	3766916.32	0.00139	465849.25	3766916.32	0.00201
465949.25	3766916.32	0.00442	466049.25	3766916.32	0.00645
466149.25	3766916.32	0.00256	466249.25	3766916.32	0.00161
466349.25	3766916.32	0.00119	466449.25	3766916.32	0.00098
466549.25	3766916.32	0.00083	466649.25	3766916.32	0.00071
466749.25	3766916.32	0.00063	466849.25	3766916.32	0.00056
466949.25	3766916.32	0.00050	467049.25	3766916.32	0.00045
467149.25	3766916.32	0.00041	464249.25	3767016.32	0.00023
464349.25	3767016.32	0.00024	464449.25	3767016.32	0.00026
464549.25	3767016.32	0.00028	464649.25	3767016.32	0.00030
464749.25	3767016.32	0.00032	464849.25	3767016.32	0.00034
464949.25	3767016.32	0.00038	465049.25	3767016.32	0.00041
465149.25	3767016.32	0.00046	465249.25	3767016.32	0.00051
465349.25	3767016.32	0.00060	465449.25	3767016.32	0.00071
465549.25	3767016.32	0.00087	465649.25	3767016.32	0.00111
465749.25	3767016.32	0.00147	465849.25	3767016.32	0.00242
465949.25	3767016.32	0.00650	466049.25	3767016.32	0.00457
466149.25	3767016.32	0.00221	466249.25	3767016.32	0.00146
466349.25	3767016.32	0.00109	466449.25	3767016.32	0.00088
466549.25	3767016.32	0.00080	466649.25	3767016.32	0.00067
466749.25	3767016.32	0.00058	466849.25	3767016.32	0.00052
466949.25	3767016.32	0.00047	467049.25	3767016.32	0.00043
467149.25	3767016.32	0.00039	464249.25	3767116.32	0.00022
464349.25	3767116.32	0.00023	464449.25	3767116.32	0.00024
464549.25	3767116.32	0.00026	464649.25	3767116.32	0.00028
464749.25	3767116.32	0.00030	464849.25	3767116.32	0.00032
464949.25	3767116.32	0.00035	465049.25	3767116.32	0.00038
465149.25	3767116.32	0.00043	465249.25	3767116.32	0.00049
465349.25	3767116.32	0.00058	465449.25	3767116.32	0.00069
465549.25	3767116.32	0.00085	465649.25	3767116.32	0.00112
465749.25	3767116.32	0.00164	465849.25	3767116.32	0.00295
465949.25	3767116.32	0.00566	466049.25	3767116.32	0.00339
466149.25	3767116.32	0.00192	466249.25	3767116.32	0.00132
466349.25	3767116.32	0.00099	466449.25	3767116.32	0.00080
466549.25	3767116.32	0.00068	466649.25	3767116.32	0.00063
466749.25	3767116.32	0.00055	466849.25	3767116.32	0.00048

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

*** 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
466949.25	3767116.32	0.00044	467049.25	3767116.32	0.00040
467149.25	3767116.32	0.00037	464249.25	3767216.32	0.00021
464349.25	3767216.32	0.00022	464449.25	3767216.32	0.00023
464549.25	3767216.32	0.00024	464649.25	3767216.32	0.00025
464749.25	3767216.32	0.00027	464849.25	3767216.32	0.00029
464949.25	3767216.32	0.00032	465049.25	3767216.32	0.00035
465149.25	3767216.32	0.00039	465249.25	3767216.32	0.00045
465349.25	3767216.32	0.00053	465449.25	3767216.32	0.00064
465549.25	3767216.32	0.00081	465649.25	3767216.32	0.00111
465749.25	3767216.32	0.00177	465849.25	3767216.32	0.00362
465949.25	3767216.32	0.00816	466049.25	3767216.32	0.00278
466149.25	3767216.32	0.00167	466249.25	3767216.32	0.00117
466349.25	3767216.32	0.00089	466449.25	3767216.32	0.00072
466549.25	3767216.32	0.00061	466649.25	3767216.32	0.00053
466749.25	3767216.32	0.00051	466849.25	3767216.32	0.00044
466949.25	3767216.32	0.00040	467049.25	3767216.32	0.00037
467149.25	3767216.32	0.00034	464249.25	3767316.32	0.00019
464349.25	3767316.32	0.00020	464449.25	3767316.32	0.00021
464549.25	3767316.32	0.00022	464649.25	3767316.32	0.00023
464749.25	3767316.32	0.00025	464849.25	3767316.32	0.00027
464949.25	3767316.32	0.00029	465049.25	3767316.32	0.00032
465149.25	3767316.32	0.00036	465249.25	3767316.32	0.00041
465349.25	3767316.32	0.00047	465449.25	3767316.32	0.00057
465549.25	3767316.32	0.00072	465649.25	3767316.32	0.00105
465749.25	3767316.32	0.00179	465849.25	3767316.32	0.00468
465949.25	3767316.32	0.00574	466049.25	3767316.32	0.00229
466149.25	3767316.32	0.00141	466249.25	3767316.32	0.00101
466349.25	3767316.32	0.00077	466449.25	3767316.32	0.00063
466549.25	3767316.32	0.00054	466649.25	3767316.32	0.00049
466749.25	3767316.32	0.00045	466849.25	3767316.32	0.00041
466949.25	3767316.32	0.00037	467049.25	3767316.32	0.00034
467149.25	3767316.32	0.00031	464249.25	3767416.32	0.00018

464349.25	3767416.32	0.00019	464449.25	3767416.32	0.00020
464549.25	3767416.32	0.00020	464649.25	3767416.32	0.00022
464749.25	3767416.32	0.00023	464849.25	3767416.32	0.00025
464949.25	3767416.32	0.00027	465049.25	3767416.32	0.00029
465149.25	3767416.32	0.00032	465249.25	3767416.32	0.00036
465349.25	3767416.32	0.00041	465449.25	3767416.32	0.00049
465549.25	3767416.32	0.00062	465649.25	3767416.32	0.00088
465749.25	3767416.32	0.00158	465849.25	3767416.32	0.00609

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

*** 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
465949.25	3767416.32	0.00365	466049.25	3767416.32	0.00169
466149.25	3767416.32	0.00110	466249.25	3767416.32	0.00081
466349.25	3767416.32	0.00064	466449.25	3767416.32	0.00054
466549.25	3767416.32	0.00047	466649.25	3767416.32	0.00043
466749.25	3767416.32	0.00039	466849.25	3767416.32	0.00036
466949.25	3767416.32	0.00033	467049.25	3767416.32	0.00031
467149.25	3767416.32	0.00029	464249.25	3767516.32	0.00017
464349.25	3767516.32	0.00018	464449.25	3767516.32	0.00018
464549.25	3767516.32	0.00019	464649.25	3767516.32	0.00020
464749.25	3767516.32	0.00021	464849.25	3767516.32	0.00023
464949.25	3767516.32	0.00024	465049.25	3767516.32	0.00026
465149.25	3767516.32	0.00028	465249.25	3767516.32	0.00031
465349.25	3767516.32	0.00035	465449.25	3767516.32	0.00041
465549.25	3767516.32	0.00049	465649.25	3767516.32	0.00064
465749.25	3767516.32	0.00092	465849.25	3767516.32	0.00151
465949.25	3767516.32	0.00152	466049.25	3767516.32	0.00102
466149.25	3767516.32	0.00076	466249.25	3767516.32	0.00061
466349.25	3767516.32	0.00051	466449.25	3767516.32	0.00045
466549.25	3767516.32	0.00042	466649.25	3767516.32	0.00038
466749.25	3767516.32	0.00034	466849.25	3767516.32	0.00032
466949.25	3767516.32	0.00030	467049.25	3767516.32	0.00028
467149.25	3767516.32	0.00026	464249.25	3767616.32	0.00016
464349.25	3767616.32	0.00017	464449.25	3767616.32	0.00017
464549.25	3767616.32	0.00018	464649.25	3767616.32	0.00019

464749.25	3767616.32	0.00019	464849.25	3767616.32	0.00021
464949.25	3767616.32	0.00022	465049.25	3767616.32	0.00023
465149.25	3767616.32	0.00025	465249.25	3767616.32	0.00027
465349.25	3767616.32	0.00030	465449.25	3767616.32	0.00034
465549.25	3767616.32	0.00038	465649.25	3767616.32	0.00044
465749.25	3767616.32	0.00050	465849.25	3767616.32	0.00053
465949.25	3767616.32	0.00053	466049.25	3767616.32	0.00058
466149.25	3767616.32	0.00051	466249.25	3767616.32	0.00044
466349.25	3767616.32	0.00039	466449.25	3767616.32	0.00038
466549.25	3767616.32	0.00035	466649.25	3767616.32	0.00033
466749.25	3767616.32	0.00030	466849.25	3767616.32	0.00028
466949.25	3767616.32	0.00027	467049.25	3767616.32	0.00025
467149.25	3767616.32	0.00023	464249.25	3767716.32	0.00015
464349.25	3767716.32	0.00015	464449.25	3767716.32	0.00016
464549.25	3767716.32	0.00017	464649.25	3767716.32	0.00017
464749.25	3767716.32	0.00018	464849.25	3767716.32	0.00019

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

*** 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
464949.25	3767716.32	0.00020	465049.25	3767716.32	0.00021
465149.25	3767716.32	0.00022	465249.25	3767716.32	0.00024
465349.25	3767716.32	0.00026	465449.25	3767716.32	0.00028
465549.25	3767716.32	0.00030	465649.25	3767716.32	0.00032
465749.25	3767716.32	0.00033	465849.25	3767716.32	0.00032
465949.25	3767716.32	0.00031	466049.25	3767716.32	0.00034
466149.25	3767716.32	0.00033	466249.25	3767716.32	0.00033
466349.25	3767716.32	0.00031	466449.25	3767716.32	0.00031
466549.25	3767716.32	0.00029	466649.25	3767716.32	0.00027
466749.25	3767716.32	0.00026	466849.25	3767716.32	0.00025
466949.25	3767716.32	0.00022	467049.25	3767716.32	0.00022
467149.25	3767716.32	0.00020	464249.25	3767816.32	0.00014
464349.25	3767816.32	0.00015	464449.25	3767816.32	0.00015
464549.25	3767816.32	0.00016	464649.25	3767816.32	0.00016
464749.25	3767816.32	0.00017	464849.25	3767816.32	0.00017
464949.25	3767816.32	0.00018	465049.25	3767816.32	0.00019

465149.25	3767816.32	0.00020	465249.25	3767816.32	0.00021
465349.25	3767816.32	0.00022	465449.25	3767816.32	0.00023
465549.25	3767816.32	0.00024	465649.25	3767816.32	0.00025
465749.25	3767816.32	0.00025	465849.25	3767816.32	0.00024
465949.25	3767816.32	0.00023	466049.25	3767816.32	0.00024
466149.25	3767816.32	0.00025	466249.25	3767816.32	0.00026
466349.25	3767816.32	0.00026	466449.25	3767816.32	0.00025
466549.25	3767816.32	0.00024	466649.25	3767816.32	0.00023
466749.25	3767816.32	0.00023	466849.25	3767816.32	0.00022
466949.25	3767816.32	0.00019	467049.25	3767816.32	0.00018
467149.25	3767816.32	0.00018	465576.19	3765931.31	0.00458

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.01164 AT (465949.25, 3766316.32, 269.00, 269.00, 0.00)	DC
	2ND HIGHEST VALUE IS	0.01079 AT (465849.25, 3766216.32, 269.00, 269.00, 0.00)	DC
	3RD HIGHEST VALUE IS	0.01030 AT (465549.25, 3765716.32, 285.99, 293.00, 0.00)	DC
	4TH HIGHEST VALUE IS	0.01004 AT (465649.25, 3765616.32, 287.67, 287.67, 0.00)	DC
	5TH HIGHEST VALUE IS	0.00965 AT (466049.25, 3766416.32, 269.88, 269.88, 0.00)	DC
	6TH HIGHEST VALUE IS	0.00960 AT (465649.25, 3765916.32, 284.68, 284.68, 0.00)	DC
	7TH HIGHEST VALUE IS	0.00945 AT (465749.25, 3765516.32, 282.45, 282.45, 0.00)	DC
	8TH HIGHEST VALUE IS	0.00908 AT (465549.25, 3764716.32, 270.99, 270.99, 0.00)	DC
	9TH HIGHEST VALUE IS	0.00900 AT (465649.25, 3765116.32, 272.49, 275.00, 0.00)	DC
	10TH HIGHEST VALUE IS	0.00888 AT (466049.25, 3766816.32, 278.99, 278.99, 0.00)	DC

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

*** MODELOPTs: NonDFAULT CONC ELEV FASTALL URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)

A Total of 2 Warning Message(s)
A Total of 1638 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1039 Calm Hours Identified

A Total of 599 Missing Hours Identified (1.37 Percent)

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

******** WARNING MESSAGES ********
ME W186 815 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 815 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

San Bernardino FedEx/Holly Street Project **With Mitigation** **Sample Output**
1/9/2019

Annual DPM Concentrations During Construction (Exposure Duration: 1 year)

Sensitive Receptors (Infant to Adult Exposure)

		Unit Risk Factors --->	**13.60**	**123.18**	
		2019	**Cancer Risk**	**Cancer Risk**	**Total**
		DPM	**3rd Trimester**	**Year 1**	**Cancer Risk**
X	**Y**	**Concentration**	**(risk/million)**	**(risk/million)**	**(risk/million)**
(m)	**(m)**	**(ug/m3)**			
465387.37	**3764391.2**	0.01149	0.16	1.42	1.57
464249.25	3763916.3	0.00186	0.03	0.23	0.25
464349.25	3763916.3	0.00201	0.03	0.25	0.27
464449.25	3763916.3	0.00216	0.03	0.27	0.30
464549.25	3763916.3	0.00235	0.03	0.29	0.32
464649.25	3763916.3	0.0025	0.03	0.31	0.34
464749.25	3763916.3	0.00263	0.04	0.32	0.36
464849.25	3763916.3	0.00274	0.04	0.34	0.37
464949.25	3763916.3	0.00279	0.04	0.34	0.38
465049.25	3763916.3	0.00279	0.04	0.34	0.38
465149.25	3763916.3	0.00269	0.04	0.33	0.37
465249.25	3763916.3	0.00248	0.03	0.31	0.34
465349.25	3763916.3	0.0021	0.03	0.26	0.29
465449.25	3763916.3	0.00176	0.02	0.22	0.24
465549.25	3763916.3	0.00147	0.02	0.18	0.20
465649.25	3763916.3	0.00124	0.02	0.15	0.17
465749.25	3763916.3	0.00107	0.01	0.13	0.15
465849.25	3763916.3	0.00097	0.01	0.12	0.13
465949.25	3763916.3	0.00094	0.01	0.12	0.13
466049.25	3763916.3	0.00095	0.01	0.12	0.13
466149.25	3763916.3	0.00099	0.01	0.12	0.14
466249.25	3763916.3	0.00104	0.01	0.13	0.14
466349.25	3763916.3	0.00109	0.01	0.13	0.15
466449.25	3763916.3	0.00114	0.02	0.14	0.16
466549.25	3763916.3	0.00119	0.02	0.15	0.16
466649.25	3763916.3	0.00123	0.02	0.15	0.17
466749.25	3763916.3	0.00126	0.02	0.16	0.17
466849.25	3763916.3	0.00128	0.02	0.16	0.18
466949.25	3763916.3	0.0013	0.02	0.16	0.18
467049.25	3763916.3	0.00131	0.02	0.16	0.18
467149.25	3763916.3	0.00131	0.02	0.16	0.18
464249.25	3764016.3	0.00194	0.03	0.24	0.27
464349.25	3764016.3	0.00212	0.03	0.26	0.29
464449.25	3764016.3	0.00232	0.03	0.29	0.32
464549.25	3764016.3	0.00256	0.03	0.32	0.35
464649.25	3764016.3	0.00277	0.04	0.34	0.38
464749.25	3764016.3	0.00298	0.04	0.37	0.41
464849.25	3764016.3	0.00319	0.04	0.39	0.44
464949.25	3764016.3	0.00336	0.05	0.41	0.46
465049.25	3764016.3	0.00347	0.05	0.43	0.47
465149.25	3764016.3	0.00348	0.05	0.43	0.48
465249.25	3764016.3	0.00335	0.05	0.41	0.46
465349.25	3764016.3	0.0031	0.04	0.38	0.42
465449.25	3764016.3	0.00254	0.03	0.31	0.35
465549.25	3764016.3	0.00204	0.03	0.25	0.28
465649.25	3764016.3	0.00166	0.02	0.20	0.23
465749.25	3764016.3	0.00139	0.02	0.17	0.19
465849.25	3764016.3	0.00126	0.02	0.16	0.17
465949.25	3764016.3	0.00123	0.02	0.15	0.17
466049.25	3764016.3	0.00127	0.02	0.16	0.17
466149.25	3764016.3	0.00133	0.02	0.16	0.18
466249.25	3764016.3	0.00141	0.02	0.17	0.19
466349.25	3764016.3	0.00149	0.02	0.18	0.20
466449.25	3764016.3	0.00155	0.02	0.19	0.21
466549.25	3764016.3	0.0016	0.02	0.20	0.22
466649.25	3764016.3	0.00164	0.02	0.20	0.22
466749.25	3764016.3	0.00166	0.02	0.20	0.23
466849.25	3764016.3	0.00167	0.02	0.21	0.23
466949.25	3764016.3	0.00167	0.02	0.21	0.23
467049.25	3764016.3	0.00166	0.02	0.20	0.23

OEHHA Cancer/SCAQMD Risk Methodology **Construction**

Cancer Risk = DPM x CPF x ASF x DBR x ED x EF x TAH x AF/ AT

Cancer Risk = probability of an individual contracting cancer out of a population of 1 million people over a lifetime exposure duration of 30 years

DPM = long-term average concentration of diesel PM as predicted by the air dispersion model (ug/m3)

CPF = cancer potency factor for DPM (mg.ke-day)

ASF = age sensitivity factors that are dependent on the age of the exposed individual (unitless)

DBR = daily breathing rates that are dependent on the age of the exposed individual (liters/kg-day)

ED = exposure duration (years)

EF = exposure frequency (days/year)

TAH = time at home factors that are dependent on the age of the exposed individual (%)

AT = averaging time over the lifetime of an individual (days)

AF = adjustment factor for workers and students (unitless)

Cancer Risk Equation Values as recommended by the California Office of Environmental Health Hazards Assessment and SCAQMD via Rule 1401

Duration of Exposure During Construction: **1 year**

Cosntruction Sensitive Receptors Prenatal to Adult

CPF	1.1	milligrams/kg-day	
Exposure Frequency	350	days	
Averaging Time	25550	days	
ASF, DBR, TAH Age Factors			

Age Group	ASF	95th %/80-DBR	TAH	Exposure Duration	Unit Risk Factor
3rd Trimester	10	361	1	0.25	13.60
0-2 years	10	1090	1	0.75	123.18
3-16 years	3	572	1	0	0.00
>16 to 30 years	1	261	0.73	0	0.00
					136.78

Construction Sensitive Receptors (Adults)

CPF	1.1	milligrams/kg-day	
Exposure Frequency	350	days	
Averaging Time	25550	days	
ASF, DBR, TAH Age Factors			

Age Group	ASF	95th %/80-DBR	TAH	Exposure Duration	Unit Risk Factor
3rd Trimester	10	361	1	0	0.00
0-2 years	10	1090	1	0	0.00
2-16 years	3	572	1	0	0.00
>16 to 46 years	1	261	0.73	1	2.87
					2.87

Construction Worker Receptors

CPF	1.1	milligrams/kg-day	
Exposure Frequency	250	days	
Averaging Time	25550	days	
ASF, DBR, TAH Age Factors			

Age Group	ASF	DBR	TAH	Exposure Duration	Unit Risk Factor
>16	1	230	1	1	2.48

San Bernardino FedEx/Holly Street Project **With Mitigation** **Sample Output**

Annual DPM Concentrations During Operation

Assumes Vehicle Emissions Remain at Their 2020 Levels

		Unit Risk Factor --->	**566.45**
		(Year 2 to 30)	
		2020	Cancer Risk
		DPM	
X	**Y**	**Concentration**	
(m)	**(m)**	**(ug/m3)**	
465387.37	3764391.2	0.00117	0.6627
464249.25	3763916.3	0.00028	0.1586
464349.25	3763916.3	0.00029	0.1643
464449.25	3763916.3	0.0003	0.1699
464549.25	3763916.3	0.00032	0.1813
464649.25	3763916.3	0.00034	0.1926
464749.25	3763916.3	0.00035	0.1983
464849.25	3763916.3	0.00036	0.2039
464949.25	3763916.3	0.00036	0.2039
465049.25	3763916.3	0.00036	0.2039
465149.25	3763916.3	0.00034	0.1926
465249.25	3763916.3	0.00033	0.1869
465349.25	3763916.3	0.00029	0.1643
465449.25	3763916.3	0.00026	0.1473
465549.25	3763916.3	0.00024	0.1359
465649.25	3763916.3	0.00023	0.1303
465749.25	3763916.3	0.00022	0.1246
465849.25	3763916.3	0.00021	0.1190
465949.25	3763916.3	0.0002	0.1133
466049.25	3763916.3	0.0002	0.1133
466149.25	3763916.3	0.0002	0.1133
466249.25	3763916.3	0.00019	0.1076
466349.25	3763916.3	0.00019	0.1076
466449.25	3763916.3	0.00019	0.1076
466549.25	3763916.3	0.00018	0.1020
466649.25	3763916.3	0.00018	0.1020
466749.25	3763916.3	0.00018	0.1020
466849.25	3763916.3	0.00017	0.0963
466949.25	3763916.3	0.00017	0.0963
467049.25	3763916.3	0.00017	0.0963
467149.25	3763916.3	0.00017	0.0963
464249.25	3764016.3	0.00029	0.1643
464349.25	3764016.3	0.00031	0.1756

OEHHA Cancer/SCAQMD Risk Methodology **Operations**

Cancer Risk = DPM x CPF x ASF x DBR x ED x EF x TAH x AF/ AT

Cancer Risk = probability of an individual contracting cancer out of a population of 1 million people over a lifetime exposure duration of 30 years

DPM = long-term average concentration of diesel PM as predicted by the air dispersion model (ug/m3)

CPF = cancer potency factor for DPM (mg.ke-day)

ASF = age sensitivity factors that are dependent on the age of the exposed individual (unitless)

DBR = daily breathing rates that are dependent on the age of the exposed individual (liters/kg-day)

ED = exposure duration (years)

EF = exposure frequency (days/year)

TAH = time at home factors that are dependent on the age of the exposed individual (%)

AT = averaging time over the lifetime of an individual (days)

AF = adjustment factor for workers and students (unitless)

Cancer Risk Equation Values as recommended by the California Office of Environmental Health Hazards Assessment and SCAQMD via Rule 1401

Operation Sensitive Receptors Prenatal to Adult

CPF	1.1	milligrams/kg-day	
Exposure Frequency	350	days	
Averaging Time	25550	days	
ASF, DBR, TAH Age Factors			

Age Group	ASF	95th %/80-DBR	TAH	Exposure Duration	Unit Risk Factor
3rd Trimester	10	361	1	0	0.00
0-2 years	10	1090	1	1	164.25
3-16 years	3	572	1	14	362.01
>16 to 30 years	1	261	0.73	14	40.19
					566.45

Operation Sensitive Receptors (Adults)

CPF	1.1	milligrams/kg-day	
Exposure Frequency	350	days	
Averaging Time	25550	days	
ASF, DBR, TAH Age Factors			

Age Group	ASF	95th %/80-DBR	TAH	Exposure Duration	Unit Risk Factor
3rd Trimester	10	361	1	0	0.00
0-2 years	10	1090	1	0	0.00
3-16 years	3	572	1	0	0.00
>16 to 46 years	1	261	0.73	29	83.26
					83.26

Operation Worker Receptors

CPF	1.1	milligrams/kg-day	
Exposure Frequency	250	days	
Averaging Time	25550	days	
ASF, DBR, TAH Age Factors			

Age Group	ASF	DBR	TAH	Exposure Duration	Unit Risk Factor
>16	1	230	1	24	59.41

San Bernardino FedEx/Holly Street Project **With Mitigation**

Total Infant to Adult Cancer Risk from Construction and Operation

X (m)	Y (m)	Risk Const (risk/million)	Risk Oper (risk/million)	Total (risk/million)
465387.4	**3764391**	1.6	0.7	2.23439
464249.3	3763916	0.3	0.2	0.41302
464349.3	3763916	0.3	0.2	0.43921
464449.3	3763916	0.3	0.2	0.46539
464549.3	3763916	0.3	0.2	0.50271
464649.3	3763916	0.3	0.2	0.53455
464749.3	3763916	0.4	0.2	0.55800
464849.3	3763916	0.4	0.2	0.57871
464949.3	3763916	0.4	0.2	0.58555
465049.3	3763916	0.4	0.2	0.58555
465149.3	3763916	0.4	0.2	0.56054
465249.3	3763916	0.3	0.2	0.52615
465349.3	3763916	0.3	0.2	0.45152
465449.3	3763916	0.2	0.1	0.38802
465549.3	3763916	0.2	0.1	0.33702
465649.3	3763916	0.2	0.1	0.29990
465749.3	3763916	0.1	0.1	0.27098
465849.3	3763916	0.1	0.1	0.25163
465949.3	3763916	0.1	0.1	0.24187
466049.3	3763916	0.1	0.1	0.24323
466149.3	3763916	0.1	0.1	0.24871
466249.3	3763916	0.1	0.1	0.24988
466349.3	3763916	0.1	0.1	0.25672
466449.3	3763916	0.2	0.1	0.26356
466549.3	3763916	0.2	0.1	0.26473
466649.3	3763916	0.2	0.1	0.27020
466749.3	3763916	0.2	0.1	0.27431
466849.3	3763916	0.2	0.1	0.27138
466949.3	3763916	0.2	0.1	0.27412
467049.3	3763916	0.2	0.1	0.27548
467149.3	3763916	0.2	0.1	0.27548
464249.3	3764016	0.3	0.2	0.42963
464349.3	3764016	0.3	0.2	0.46558
464449.3	3764016	0.3	0.2	0.50427
464549.3	3764016	0.4	0.2	0.54842
464649.3	3764016	0.4	0.2	0.58848
464749.3	3764016	0.4	0.2	0.62853
464849.3	3764016	0.4	0.2	0.66858
464949.3	3764016	0.5	0.2	0.69750
465049.3	3764016	0.5	0.2	0.71255
465149.3	3764016	0.5	0.2	0.71392

San Bernardino FedEx/Holly Street Project

With Mitigation

Total Adult Cancer Risk from Construction and Operation

X (m)	Y (m)	2019 Construction DPM (ug/m3)	Unit Risk Factor	Risk Const (risk/million)	2020 to 2048 Operation DPM (ug/m3)	Unit Risk Factor	Risk Operation (risk/million)	Total Risk (risk/million)
465387.4	**3764391**	**0.01149**	**2.87**	0.03	0.0020	83.3	0.17	0.20034
464249.3	3763916	**0.00186**	**2.87**	0.01	0.0005	83.3	0.04	0.04447
464349.3	3763916	**0.00201**	**2.87**	0.01	0.0005	83.3	0.04	0.04740
464449.3	3763916	**0.00216**	**2.87**	0.01	0.0005	83.3	0.04	0.04950
464549.3	3763916	**0.00235**	**2.87**	0.01	0.0006	83.3	0.05	0.05337
464649.3	3763916	**0.0025**	**2.87**	0.01	0.0006	83.3	0.05	0.05547
464749.3	3763916	**0.00263**	**2.87**	0.01	0.0006	83.3	0.05	0.05751
464849.3	3763916	**0.00274**	**2.87**	0.01	0.0006	83.3	0.05	0.05865
464949.3	3763916	**0.00279**	**2.87**	0.01	0.0006	83.3	0.05	0.05963
465049.3	3763916	**0.00279**	**2.87**	0.01	0.0006	83.3	0.05	0.05880
465149.3	3763916	**0.00269**	**2.87**	0.01	0.0006	83.3	0.05	0.05685
465249.3	3763916	**0.00248**	**2.87**	0.01	0.0006	83.3	0.05	0.05375
465349.3	3763916	**0.0021**	**2.87**	0.01	0.0005	83.3	0.04	0.04766
465449.3	3763916	**0.00176**	**2.87**	0.01	0.0005	83.3	0.04	0.04252
465549.3	3763916	**0.00147**	**2.87**	0.00	0.0004	83.3	0.03	0.03919
465649.3	3763916	**0.00124**	**2.87**	0.00	0.0004	83.3	0.03	0.03603
465749.3	3763916	**0.00107**	**2.87**	0.00	0.0004	83.3	0.03	0.03471
465849.3	3763916	**0.00097**	**2.87**	0.00	0.0004	83.3	0.03	0.03276
465949.3	3763916	**0.00094**	**2.87**	0.00	0.0004	83.3	0.03	0.03184
466049.3	3763916	**0.00095**	**2.87**	0.00	0.0003	83.3	0.03	0.03104
466149.3	3763916	**0.00099**	**2.87**	0.00	0.0003	83.3	0.03	0.03115
466249.3	3763916	**0.00104**	**2.87**	0.00	0.0003	83.3	0.03	0.03046
466349.3	3763916	**0.00109**	**2.87**	0.00	0.0003	83.3	0.03	0.03060
466449.3	3763916	**0.00114**	**2.87**	0.00	0.0003	83.3	0.03	0.02992
466549.3	3763916	**0.00119**	**2.87**	0.00	0.0003	83.3	0.03	0.03006
466649.3	3763916	**0.00123**	**2.87**	0.00	0.0003	83.3	0.03	0.02934
466749.3	3763916	**0.00126**	**2.87**	0.00	0.0003	83.3	0.03	0.02943
466849.3	3763916	**0.00128**	**2.87**	0.00	0.0003	83.3	0.02	0.02865
466949.3	3763916	**0.0013**	**2.87**	0.00	0.0003	83.3	0.02	0.02871
467049.3	3763916	**0.00131**	**2.87**	0.00	0.0003	83.3	0.02	0.02791
467149.3	3763916	**0.00131**	**2.87**	0.00	0.0003	83.3	0.02	0.02791
464249.3	3764016	**0.00194**	**2.87**	0.01	0.0005	83.3	0.04	0.04720
464349.3	3764016	**0.00212**	**2.87**	0.01	0.0005	83.3	0.04	0.05021
464449.3	3764016	**0.00232**	**2.87**	0.01	0.0006	83.3	0.05	0.05329
464549.3	3764016	**0.00256**	**2.87**	0.01	0.0006	83.3	0.05	0.05814
464649.3	3764016	**0.00277**	**2.87**	0.01	0.0006	83.3	0.05	0.06124
464749.3	3764016	**0.00298**	**2.87**	0.01	0.0007	83.3	0.06	0.06434
464849.3	3764016	**0.00319**	**2.87**	0.01	0.0007	83.3	0.06	0.06744
464949.3	3764016	**0.00336**	**2.87**	0.01	0.0007	83.3	0.06	0.06959
465049.3	3764016	**0.00347**	**2.87**	0.01	0.0007	83.3	0.06	0.07074
465149.3	3764016	**0.00348**	**2.87**	0.01	0.0007	83.3	0.06	0.07077
465249.3	3764016	**0.00335**	**2.87**	0.01	0.0007	83.3	0.06	0.06790
465349.3	3764016	**0.0031**	**2.87**	0.01	0.0007	83.3	0.05	0.06302
465449.3	3764016	**0.00254**	**2.87**	0.01	0.0006	83.3	0.05	0.05475
465549.3	3764016	**0.00204**	**2.87**	0.01	0.0005	83.3	0.04	0.04832
465649.3	3764016	**0.00166**	**2.87**	0.00	0.0005	83.3	0.04	0.04390
465749.3	3764016	**0.00139**	**2.87**	0.00	0.0004	83.3	0.04	0.04062
465849.3	3764016	**0.00126**	**2.87**	0.00	0.0004	83.3	0.04	0.03942
465949.3	3764016	**0.00123**	**2.87**	0.00	0.0004	83.3	0.03	0.03767
466049.3	3764016	**0.00127**	**2.87**	0.00	0.0004	83.3	0.03	0.03695
466149.3	3764016	**0.00133**	**2.87**	0.00	0.0004	83.3	0.03	0.03629
466249.3	3764016	**0.00141**	**2.87**	0.00	0.0004	83.3	0.03	0.03652
466349.3	3764016	**0.00149**	**2.87**	0.00	0.0004	83.3	0.03	0.03592
466449.3	3764016	**0.00155**	**2.87**	0.00	0.0004	83.3	0.03	0.03609
466549.3	3764016	**0.0016**	**2.87**	0.00	0.0004	83.3	0.03	0.03540
466649.3	3764016	**0.00164**	**2.87**	0.00	0.0004	83.3	0.03	0.03468
466749.3	3764016	**0.00166**	**2.87**	0.00	0.0004	83.3	0.03	0.03474
466849.3	3764016	**0.00167**	**2.87**	0.00	0.0004	83.3	0.03	0.03394
466949.3	3764016	**0.00167**	**2.87**	0.00	0.0003	83.3	0.03	0.03310
467049.3	3764016	**0.00166**	**2.87**	0.00	0.0003	83.3	0.03	0.03224

San Bernardino FedEx/Holly Street Project

With Mitigation

Total Worker Cancer Risk from Construction and Operation

X (m)	Y (m)	2019 Construction DPM (ug/m3)	Unit Risk Factor	Risk Const (risk/million)	2020 to 2048 Operation DPM (ug/m3)	Unit Risk Factor	Risk Operation (risk/million)	Total Risk (risk/million)
465387.4	**3764391**	**0.01149**	**2.48**	0.03	0.0020	59.4	0.12	0.14786
464249.3	3763916	**0.00186**	**2.48**	0.00	0.0005	59.4	0.03	0.03253
464349.3	3763916	**0.00201**	**2.48**	0.00	0.0005	59.4	0.03	0.03468
464449.3	3763916	**0.00216**	**2.48**	0.01	0.0005	59.4	0.03	0.03624
464549.3	3763916	**0.00235**	**2.48**	0.01	0.0006	59.4	0.03	0.03909
464649.3	3763916	**0.0025**	**2.48**	0.01	0.0006	59.4	0.03	0.04065
464749.3	3763916	**0.00263**	**2.48**	0.01	0.0006	59.4	0.04	0.04216
464849.3	3763916	**0.00274**	**2.48**	0.01	0.0006	59.4	0.04	0.04302
464949.3	3763916	**0.00279**	**2.48**	0.01	0.0006	59.4	0.04	0.04374
465049.3	3763916	**0.00279**	**2.48**	0.01	0.0006	59.4	0.04	0.04315
465149.3	3763916	**0.00269**	**2.48**	0.01	0.0006	59.4	0.04	0.04171
465249.3	3763916	**0.00248**	**2.48**	0.01	0.0006	59.4	0.03	0.03941
465349.3	3763916	**0.0021**	**2.48**	0.01	0.0005	59.4	0.03	0.03491
465449.3	3763916	**0.00176**	**2.48**	0.00	0.0005	59.4	0.03	0.03109
465549.3	3763916	**0.00147**	**2.48**	0.00	0.0004	59.4	0.02	0.02859
465649.3	3763916	**0.00124**	**2.48**	0.00	0.0004	59.4	0.02	0.02624
465749.3	3763916	**0.00107**	**2.48**	0.00	0.0004	59.4	0.02	0.02523
465849.3	3763916	**0.00097**	**2.48**	0.00	0.0004	59.4	0.02	0.02379
465949.3	3763916	**0.00094**	**2.48**	0.00	0.0004	59.4	0.02	0.02312
466049.3	3763916	**0.00095**	**2.48**	0.00	0.0003	59.4	0.02	0.02255
466149.3	3763916	**0.00099**	**2.48**	0.00	0.0003	59.4	0.02	0.02265
466249.3	3763916	**0.00104**	**2.48**	0.00	0.0003	59.4	0.02	0.02218
466349.3	3763916	**0.00109**	**2.48**	0.00	0.0003	59.4	0.02	0.02230
466449.3	3763916	**0.00114**	**2.48**	0.00	0.0003	59.4	0.02	0.02183
466549.3	3763916	**0.00119**	**2.48**	0.00	0.0003	59.4	0.02	0.02196
466649.3	3763916	**0.00123**	**2.48**	0.00	0.0003	59.4	0.02	0.02146
466749.3	3763916	**0.00126**	**2.48**	0.00	0.0003	59.4	0.02	0.02154
466849.3	3763916	**0.00128**	**2.48**	0.00	0.0003	59.4	0.02	0.02099
466949.3	3763916	**0.0013**	**2.48**	0.00	0.0003	59.4	0.02	0.02104
467049.3	3763916	**0.00131**	**2.48**	0.00	0.0003	59.4	0.02	0.02047
467149.3	3763916	**0.00131**	**2.48**	0.00	0.0003	59.4	0.02	0.02047
464249.3	3764016	**0.00194**	**2.48**	0.00	0.0005	59.4	0.03	0.03451
464349.3	3764016	**0.00212**	**2.48**	0.01	0.0005	59.4	0.03	0.03674
464449.3	3764016	**0.00232**	**2.48**	0.01	0.0006	59.4	0.03	0.03901
464549.3	3764016	**0.00256**	**2.48**	0.01	0.0006	59.4	0.04	0.04258
464649.3	3764016	**0.00277**	**2.48**	0.01	0.0006	59.4	0.04	0.04488
464749.3	3764016	**0.00298**	**2.48**	0.01	0.0007	59.4	0.04	0.04718
464849.3	3764016	**0.00319**	**2.48**	0.01	0.0007	59.4	0.04	0.04949
464949.3	3764016	**0.00336**	**2.48**	0.01	0.0007	59.4	0.04	0.05110
465049.3	3764016	**0.00347**	**2.48**	0.01	0.0007	59.4	0.04	0.05196
465149.3	3764016	**0.00348**	**2.48**	0.01	0.0007	59.4	0.04	0.05199
465249.3	3764016	**0.00335**	**2.48**	0.01	0.0007	59.4	0.04	0.04988